

**UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
WASHINGTON, D.C. 20549**

FORM 10-Q

(Mark One)

QUARTERLY REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934
FOR THE QUARTERLY PERIOD ENDED SEPTEMBER 30, 2021

or

TRANSITION REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934
FOR THE TRANSITION PERIOD FROM _____ TO _____

Commission file number: 001-38327

Cue Biopharma, Inc.

(Exact name of registrant as specified in its charter)

Delaware
(State or other jurisdiction of
incorporation or organization)

21 Erie Street
Cambridge, Massachusetts
(Address of principal executive offices)

47-3324577
(I.R.S. Employer
Identification No.)

02139
(Zip Code)

(617) 949-2680

(Registrant's telephone number, including area code)

Securities registered pursuant to Section 12(b) of the Act:

Title of each class	Trading Symbol(s)	Name of each exchange on which registered
Common Stock, par value \$0.001 per share	CUE	Nasdaq Capital Market

Indicate by check mark whether the registrant (1) has filed all reports required to be filed by Section 13 or 15(d) of the Securities Exchange Act of 1934 during the preceding 12 months (or for such shorter period that the registrant was required to file such reports), and (2) has been subject to such filing requirements for the past 90 days. Yes No

Indicate by check mark whether the registrant has submitted electronically every Interactive Data File required to be submitted pursuant to Rule 405 of Regulation S-T (§232.405 of this chapter) during the preceding 12 months (or for such shorter period that the registrant was required to submit such files). Yes No

Indicate by check mark whether registrant is a large accelerated filer, an accelerated filer, a non-accelerated filer, a smaller reporting company or an emerging growth company. See the definitions of "large accelerated filer", "accelerated filer", "smaller reporting company" and "emerging growth company" in Rule 12b-2 of the Exchange Act.

Large accelerated filer	<input type="checkbox"/>	Accelerated filer	<input type="checkbox"/>
Non-accelerated filer	<input checked="" type="checkbox"/>	Smaller reporting company	<input checked="" type="checkbox"/>
Emerging growth company	<input checked="" type="checkbox"/>		

If an emerging growth company, indicate by check mark if the registrant has elected not to use the extended transition period for complying with any new or revised financial accounting standards provided pursuant to Section 13(a) of the Exchange Act.

Indicate by check mark whether registrant is a shell company (as defined in Rule 12b-2 of the Exchange Act). Yes No

As of November 1, 2021, the registrant had 31,760,946 shares of Common Stock (\$0.001 par value) outstanding.

CUE BIOPHARMA, INC.
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CAUTIONARY NOTE REGARDING FORWARD-LOOKING STATEMENTS AND INDUSTRY DATA

This Quarterly Report on Form 10-Q contains “forward-looking statements” within the meaning of Section 27A of the Securities Act of 1933, as amended, and Section 21E of the Securities Exchange Act of 1934, as amended. Forward-looking statements, which are based on certain assumptions and describe our future plans, strategies and expectations, can generally be identified by the use of forward-looking terms such as “believe,” “expect,” “may,” “will,” “should,” “would,” “could,” “seek,” “intend,” “plan,” “goal,” “project,” “estimate,” “anticipate,” “strategy,” “future,” “likely” or other comparable terms. All statements, other than statements of historical fact, contained in this Quarterly Report on Form 10-Q, including statements regarding our strategy, future operations, future financial position, future revenue, projected costs, prospects, plans and objectives of management, are forward-looking statements.

The forward-looking statements in this Quarterly Report on Form 10-Q include, among other things, statements about:

- the initiation, timing, progress and results of our current and future preclinical studies and clinical trials and our research and development programs;
- our estimates regarding expenses, future revenue, capital requirements and need for additional financing;
- our expectations regarding our ability to fund our projected operating requirements with our existing cash resources and the period in which we expect that such cash resources will enable us to fund such operating requirements;
- our plans to develop our product candidates;
- the timing of and our ability to submit applications for, obtain and maintain regulatory approvals for our product candidates;
- the potential advantages of our product candidates;
- the rate and degree of market acceptance and clinical utility of our product candidates, if approved;
- our estimates regarding the potential market opportunity for our product candidates;
- our commercialization, marketing and manufacturing capabilities and strategy;
- our intellectual property position;
- our ability to identify additional products, product candidates or technologies with significant commercial potential that are consistent with our commercial objectives;
- the impact of government laws and regulations;
- our competitive position;
- developments relating to our competitors and our industry;
- our ability to maintain and establish collaborations or obtain additional funding; and
- the impacts of the COVID-19 pandemic.

Forward-looking statements are neither historical facts nor assurances of future performance. Instead, they are based only on our current beliefs, expectations and assumptions regarding the future of our business, future plans and strategies, projections, anticipated events and trends, the economy and other future conditions. Because forward-looking statements relate to the future, they are subject to inherent uncertainties, risks and changes in circumstances that are difficult to predict and many of which are outside of our control. Our actual results and financial condition may differ materially from those indicated in the forward-looking statements. Therefore, you should not rely on any of these forward-looking statements. Important factors that could cause our actual results and financial condition to differ materially from those indicated in the forward-looking statements include the factors discussed below under the heading “Risk Factor Summary,” and the risk factors detailed further in Item 1A., “Risk Factors” of Part I of our Annual Report on Form 10-K for the year ended December 31, 2020.

This report includes statistical and other industry and market data that we obtained from industry publications and research, surveys, and studies conducted by third parties as well as our own estimates. All of the market data used in this report involve a number of assumptions and limitations, and you are cautioned not to give undue weight to such data. Industry publications and third-party research, surveys, and studies generally indicate that their information has been obtained from sources believed to be reliable, although they do not guarantee the accuracy or completeness of such information. Our estimates of the potential market opportunities for our drug candidates include several key assumptions based on our industry knowledge, industry publications, third-party research, and other surveys, which may be based on a small sample size and may fail to accurately reflect market opportunities. While we believe that our internal assumptions are reasonable, no independent source has verified such assumptions.

Any forward-looking statement made by us in this Quarterly Report on Form 10-Q is based only on information currently available to us and speaks only as of the date on which it is made. We undertake no obligation to publicly update any forward-looking statement, whether written or oral, that may be made from time to time, whether as a result of new information, future developments or otherwise.

RISK FACTOR SUMMARY

Investment in our securities involves risk. You should carefully consider the following summary of what we believe to be the principal risks facing our business, in addition to the risks described more fully in Item 1A, “Risk Factors” of Part I of our Annual Report on Form 10-K filed with the Securities and Exchange Commission on March 9, 2021 and other information included in this report. The risks and uncertainties described below are not the only risks and uncertainties we face. Additional risks and uncertainties not presently known to us or that we presently deem less significant may also impair our business operations.

If any of the following risks occurs, our business, financial condition and results of operations and future growth prospects could be materially and adversely affected, and the actual outcomes of matters as to which forward-looking statements are made in this report could be materially different from those anticipated in such forward-looking statements.

- We are a clinical-stage biopharmaceutical company, have no history of generating commercial revenue, have a history of operating losses, and we may never achieve or maintain profitability.
- We currently do not have, and may never develop, any FDA-approved or commercialized products.
- We are substantially dependent on the success of our drug product candidates, only one of which is currently being tested in a clinical trial, and significant additional research and development and clinical testing will be required before we can potentially seek regulatory approval for or commercialize any of our drug product candidates.
- We have limited experience in conducting clinical trials and no history of commercializing biologic products, which may make it difficult to evaluate the prospects for our future viability.
- The outbreak of the novel strain of coronavirus, SARS-CoV-2, which causes COVID-19, could adversely impact our business, including our clinical trials and preclinical studies.
- We plan to seek collaborations or strategic alliances. However, we may not be able to establish such relationships, and relationships we have established may not provide the expected benefits. Our collaboration agreements with Merck and LG Chem contain exclusivity provisions that restrict our research and development activities.
- We may not be successful in our efforts to identify additional drug product candidates. Due to our limited resources and access to capital, we must prioritize development of certain drug product candidates; these decisions may prove to be wrong and may adversely affect our business.
- We face significant competition from other biotechnology and pharmaceutical companies, and our operating results will suffer if we fail to compete effectively.
- We rely on third parties to conduct our clinical trials. If these third parties do not successfully carry out their contractual duties or meet expected deadlines, we may not be able to obtain regulatory approval for or commercialize our product candidates and our business could be substantially harmed.
- We rely completely on third parties to manufacture our preclinical and clinical drug supplies for our drug product candidates.
- If we or our licensor is unable to protect our or its intellectual property, then our financial condition, results of operations and the value of our technology and potential products could be adversely affected.

- We will be subject to stringent domestic and foreign regulation in respect of any potential products. The regulatory approval processes of the FDA and other comparable regulatory authorities outside the United States are lengthy, time-consuming and inherently unpredictable. Any unfavorable regulatory action may materially and adversely affect our future financial condition and business operations.
- Even if a potential therapeutic is ultimately approved by the various regulatory authorities, it may be approved only for narrow indications which may render it commercially less viable.
- Even if we receive regulatory approval of our drug product candidates, we will be subject to ongoing regulatory obligations and continued regulatory review, which may result in significant additional expense, and we may be subject to penalties if we fail to comply with regulatory requirements or experience unanticipated problems with our drug product candidates.

PART I. FINANCIAL INFORMATION

Item 1. Financial Statements

Cue Biopharma, Inc.
Consolidated Balance Sheets
(Unaudited in thousands, except share amounts)

	September 30, 2021	December 31, 2020
Assets		
Current assets:		
Cash and cash equivalents	\$ 67,633	\$ 74,866
Marketable securities	—	10,003
Accounts receivable	771	1,417
Prepaid expenses and other current assets	1,851	1,241
Total current assets	70,255	87,527
Property and equipment, net	2,339	2,108
Operating lease right-of-use	3,369	6,774
Deposits	2,619	2,572
Restricted cash	150	150
Other long-term assets	143	402
Total assets	<u>\$ 78,875</u>	<u>\$ 99,533</u>
Liabilities and Stockholders' Equity		
Current liabilities:		
Accounts payable	\$ 2,470	\$ 2,070
Accrued expenses	3,989	2,787
Research and development contract liability, current portion	5,263	6,681
Operating lease liability, current portion	3,633	4,777
Total current liabilities	15,355	16,315
Research and development contract liability, net of current portion	—	1,938
Operating lease liability, net of current portion	—	2,369
Total liabilities	<u>\$ 15,355</u>	<u>\$ 20,622</u>
Commitments and contingencies (Note 9)		
Stockholders' equity:		
Preferred Stock, \$0.001 par value; 10,000,000 shares authorized and 0 shares issued and outstanding at September 30, 2021 and December 31, 2020	—	—
Common stock, \$0.001 par value; 100,000,000 shares authorized; 31,361,995 and 30,351,366 shares issued and outstanding, at September 30, 2021 and December 31, 2020, respectively	32	30
Additional paid in capital	252,550	232,159
Accumulated other comprehensive income	—	7
Accumulated deficit	(189,062)	(153,285)
Total stockholders' equity	<u>63,520</u>	<u>78,911</u>
Total liabilities and stockholders' equity	<u>\$ 78,875</u>	<u>\$ 99,533</u>

The accompanying notes are an integral part of these consolidated financial statements.

Cue Biopharma, Inc.
Consolidated Statements of Operations and Other Comprehensive Loss
(Unaudited in thousands, except share and per share amounts)

	Three Months Ended September 30,		Nine Months Ended September 30,	
	2021	2020	2021	2020
Collaboration revenue	\$ 2,395	\$ 704	\$ 6,687	\$ 2,679
Operating expenses:				
General and administrative	4,125	3,318	12,660	11,205
Research and development	11,288	7,517	29,846	25,542
Total operating expenses	15,413	10,835	42,506	36,747
Loss from operations	(13,018)	(10,131)	(35,819)	(34,068)
Other income:				
Interest income, net	25	100	42	386
Total other income	25	100	42	386
Net loss	\$ (12,993)	\$ (10,031)	\$ (35,777)	\$ (33,682)
Unrealized (loss) gain from available-for-sale securities	—	83	(7)	82
Comprehensive loss	\$ (12,993)	\$ (9,948)	\$ (35,784)	\$ (33,600)
Net loss per common share – basic and diluted	\$ (0.41)	\$ (0.34)	\$ (1.16)	\$ (1.20)
Weighted average common shares outstanding – basic and diluted	31,515,178	29,650,909	31,064,579	28,151,361

The accompanying notes are an integral part of these consolidated financial statements.

Cue Biopharma, Inc.
Consolidated Statements of Stockholders' Equity
(Unaudited in thousands, except share and per share amounts)

For the three months ended September 30, 2021 and 2020:

	Common Stock		Additional Paid-in Capital	Accumulated Other Comprehensive Income (Loss)	Accumulated Deficit	Total Stockholders' Equity
	Shares	Par Value				
Balance, June 30, 2021	31,470,216	\$ 31	\$ 248,948	\$ -	\$ (176,069)	\$ 72,910
Stock-based compensation	—	—	3,252	—	—	3,252
Exercise of stock options	113,750	1	833	—	—	834
Restricted stock awards released	81,667	—	(1)	—	—	(1)
Restricted stock awards withheld at vesting to cover taxes	(33,638)	—	(482)	—	—	(482)
Net loss	—	—	—	—	(12,993)	(12,993)
Balance, September 30, 2021	<u>31,631,995</u>	<u>\$ 32</u>	<u>\$ 252,550</u>	<u>\$ —</u>	<u>\$ (189,062)</u>	<u>\$ 63,520</u>
Balance, June 30, 2020	29,303,192	\$ 29	\$ 212,121	\$ 155	\$ (132,151)	\$ 80,154
Issuance of common stock from ATM offering, net of sales agent commission and fees	842,000	1	14,328	—	—	14,329
Stock-based compensation	—	—	2,500	—	—	2,500
Exercise of stock options	101,125	—	719	—	—	719
Restricted stock awards released	6,666	—	—	—	—	—
Restricted stock awards withheld at vesting to cover taxes	(1,900)	—	(35)	—	—	(35)
Unrealized losses from available-for-sale securities	—	—	—	(83)	—	(83)
Net loss	—	—	—	—	(10,031)	(10,031)
Balance, September 30, 2020	<u>30,251,083</u>	<u>\$ 30</u>	<u>\$ 229,633</u>	<u>\$ 72</u>	<u>\$ (142,182)</u>	<u>\$ 87,553</u>

For the nine months ended September 30, 2021 and 2020:

	Common Stock		Additional Paid-in Capital	Accumulated Other Comprehensive Income (Loss)	Accumulated Deficit	Total Stockholders' Equity
	Shares	Par Value				
Balance, December 31, 2020	30,351,366	\$ 30	\$ 232,159	\$ 7	\$ (153,285)	\$ 78,911
Issuance of common stock from ATM offering, net of sales agent commission and fees	907,700	1	10,356	—	—	10,357
Stock-based compensation	—	—	8,541	—	—	8,541
Exercise of stock options	307,105	1	2,061	—	—	2,062
Issuance of common stock upon exercise of warrants, net	8,048	—	—	—	—	—
Restricted stock awards released	98,333	—	—	—	—	—
Restricted stock awards withheld at vesting to cover taxes	(40,557)	—	(567)	—	—	(567)
Unrealized losses from available-for-sale securities	—	—	—	(7)	—	(7)
Net loss	—	—	—	—	(35,777)	(35,777)
Balance, September 30, 2021	<u>31,631,995</u>	<u>\$ 32</u>	<u>\$ 252,550</u>	<u>\$ -</u>	<u>\$ (189,062)</u>	<u>\$ 63,520</u>
Balance, December 31, 2019	26,562,178	\$ 26	\$ 163,068	\$ (10)	\$ (108,500)	\$ 54,584
Issuance of common stock from ATM offering, net of sales agent commission and fees	3,016,901	3	56,679	—	—	56,682
Stock-based compensation	—	—	8,199	—	—	8,199
Exercise of stock options	377,747	—	1,799	—	—	1,799
Issuance of common stock upon exercise of warrants, net	278,179	1	(1)	—	—	—
Restricted stock awards released	23,332	—	—	—	—	—
Restricted stock awards withheld at vesting to cover taxes	(7,254)	—	(111)	—	—	(111)
Unrealized gains from available-for-sale securities	—	—	—	82	—	82
Net loss	—	—	—	—	(33,682)	(33,682)
Balance, September 30, 2020	<u>30,251,083</u>	<u>\$ 30</u>	<u>\$ 229,633</u>	<u>\$ 72</u>	<u>\$ (142,182)</u>	<u>\$ 87,553</u>

The accompanying notes are an integral part of these consolidated financial statements.

Cue Biopharma, Inc.
Consolidated Statements of Cash Flows
(Unaudited in thousands)

	<u>Nine Months Ended September 30,</u>	
	<u>2021</u>	<u>2020</u>
Cash flows from operating activities		
Net loss	\$ (35,777)	\$ (33,682)
Adjustments to reconcile net loss to cash used in operating activities:		
Depreciation and amortization	948	804
Stock-based compensation	8,541	8,199
Change in operating lease right-of-use asset	3,405	(2,539)
Amortization of premium/discount on purchased securities	(5)	77
Loss on disposal of fixed asset	(21)	—
Changes in operating assets and liabilities:		
Account receivable	646	298
Prepaid expenses and other current assets	(867)	(443)
Other assets	250	(250)
Deposits	(47)	—
Accounts payable	400	225
Accrued expenses	1,202	355
Research and development contract liability	(3,354)	(945)
Operating lease liability	(3,513)	2,406
Net cash used in operating activities	<u>(28,192)</u>	<u>(25,495)</u>
Cash flows from investing activities		
Purchases of property and equipment	(913)	(487)
Cash received from the sale of fixed assets	21	—
Redemption of short-term investments	10,000	5,000
Purchases of marketable securities	—	(9,949)
Net cash provided by (used in) investing activities	<u>9,108</u>	<u>(5,436)</u>
Cash flows from financing activities		
Proceeds from ATM offering, net of sales agent commission and fees	10,357	56,682
Proceeds from exercise of stock options	2,061	1,799
Restricted stock awards withheld at vesting to cover taxes	(567)	(111)
Net cash provided by financing activities	<u>11,851</u>	<u>58,370</u>
Net (decrease)/increase in cash, cash equivalents, and restricted cash	<u>(7,233)</u>	<u>27,439</u>
Cash, cash equivalents, and restricted cash at beginning of period	75,016	44,440
Cash, cash equivalents, and restricted cash at end of period	<u>\$ 67,783</u>	<u>\$ 71,879</u>

The accompanying notes are an integral part of these consolidated financial statements.

Notes to Consolidated Financial Statements (Unaudited)

For the three and nine months ended September 30, 2021 and 2020

1. Organization and Basis of Presentation

Cue Biopharma, Inc. (the “Company”) was incorporated in the State of Delaware on December 31, 2014 under the name Imagen Biopharma, Inc., and completed its organization, formation, and initial capitalization activities effective as of January 1, 2015. In October 2016, the Company changed its name to Cue Biopharma, Inc. The Company’s corporate office and research facilities are located in Cambridge, Massachusetts.

The Company is a clinical-stage biopharmaceutical company engineering a novel class of injectable biologics designed to selectively engage and modulate targeted T cells within the body to treat a broad range of cancers, chronic infectious diseases, and autoimmune diseases.

The Company is in the development stage and has incurred recurring losses and negative cash flows from operations since inception. As of September 30, 2021, the Company had cash and cash equivalents of approximately \$67,633,000. Management believes that current cash and cash equivalents on hand at September 30, 2021 are sufficient to fund operations for at least the next twelve months from the date of issuance of these financial statements; however, the future viability of the Company is dependent on its ability to raise additional capital to finance its operations and to fund increased research and development costs in order to seek approval for commercialization of its product candidates. The Company’s failure to raise capital as and when needed would have a negative impact on its financial condition and its ability to pursue its business strategies as this capital is necessary for the Company to perform the research and development activities required to commercialize the Company’s product candidates in order to generate future revenue streams.

2. Summary of Significant Accounting Policies**Basis of Presentation**

The accompanying unaudited consolidated financial statements as of September 30, 2021, and for the three and nine months ended September 30, 2021 and 2020, have been prepared in accordance with the rules and regulations of the Securities and Exchange Commission (the “SEC”) and generally accepted accounting principles in the United States (“U.S. GAAP”) for financial information, which prescribes elimination of all significant intercompany accounts and transactions in the accounts of the Company and its wholly owned subsidiary, Cue Biopharma Securities Corp., which was incorporated in the Commonwealth of Massachusetts in December 2018. In the opinion of management, these financial statements reflect all adjustments which are necessary for a fair statement of the Company’s financial position and results of its operations, as of and for the periods presented. These financial statements should be read in conjunction with the financial statements and notes thereto contained in the Company’s Annual Report on Form 10-K filed with the SEC on March 9, 2021.

Interim results for the three and nine months ended September 30, 2021 are not necessarily indicative of the results that may be expected for the fiscal year ending December 31, 2021, or any future periods.

Public Offerings

In March 2020, the Company entered into an “at-the-market” (“ATM”) equity offering sales agreement (the “March 2020 ATM Agreement”) with Stifel Nicolaus & Company, Inc. (“Stifel”) to sell shares of the Company’s common stock for aggregate gross proceeds of up to \$35 million, from time to time, through an ATM equity offering program under which Stifel would act as sales agent. As of September 30, 2021, the Company sold 1,824,901 shares of common stock under the March 2020 ATM Agreement for proceeds of approximately \$34.3 million, net of commissions paid, but excluding estimated transaction expenses. Due to the issuance and sale of all the shares of common stock available for sale, the March 2020 ATM Agreement terminated in accordance with its terms.

In June 2020, the Company entered into an ATM equity offering sales agreement with Stifel (the “June 2020 ATM Agreement”) to sell shares of the Company’s common stock for aggregate gross proceeds of up to \$40 million, from time to time, through an ATM equity offering program under which Stifel acts as sales agent. The June 2020 ATM Agreement will terminate upon the earliest of (a) the sale of \$40 million of shares of the Company’s common stock pursuant to the June 2020 ATM Agreement or (b) the termination of the June 2020 ATM Agreement by the Company or Stifel. During the nine months ended September 30, 2021, the Company sold 907,700 shares of common stock under the June 2020 ATM Agreement for proceeds of approximately \$10.4 million, net of commissions paid, but excluding transaction expenses. As of September 30, 2021, the Company sold an aggregate 2,099,700 shares of common stock under the June 2020 ATM Agreement for proceeds of approximately \$32.7 million, net of commissions paid, but excluding transaction expenses.

Consolidation

Unless described otherwise, all references to the Company in the notes to the Company's consolidated financial statements include Cue Biopharma Securities Corp. The Company has eliminated all intercompany transactions.

Use of Estimates

The preparation of financial statements in conformity with U.S. GAAP requires management to make estimates and assumptions that affect the reported amounts of assets and liabilities at the date of the financial statements and the reported amounts of expenses during the reporting period. Significant estimates include estimates related to collaboration revenue, the accounting for potential liabilities and accrued expenses, the assumptions utilized in valuing stock-based compensation issued for services, the realization of deferred tax assets, and the useful life with respect to long-lived assets and intangibles. Actual results could differ from those estimates.

COVID-19 Pandemic

The COVID-19 pandemic has prompted governments and regulatory bodies throughout the world to issue "stay-at-home" or other similar orders, and enact restrictions on the performance of "non-essential" services, public gatherings and travel.

The extent to which the COVID-19 pandemic impacts the Company's business and financial results will depend on numerous evolving factors including, but not limited to: the magnitude and duration of the COVID-19 pandemic, the extent of its impact on worldwide macroeconomic conditions, the speed of the anticipated recovery, access to capital markets, and governmental and business reactions to the pandemic. The Company assessed certain accounting matters that generally require consideration of forecasted financial information in context with the information reasonably available to the Company and the unknown future impacts of the COVID-19 pandemic as of September 30, 2021 and through the date of the filing of this Quarterly Report on Form 10-Q. The accounting matters assessed included, but were not limited to, estimates related to collaboration revenue, the accounting for potential liabilities and accrued expenses, the assumptions utilized in valuing stock-based compensation issued for services, the realization of deferred tax assets, and assessments of impairment related to long-lived assets and intangibles. The Company's future assessment of the magnitude and duration of the COVID-19 pandemic, as well as other factors, could result in material impacts to the Company's consolidated financial statements in future reporting periods.

Despite the Company's efforts, the ultimate impact of the COVID-19 pandemic depends on factors beyond the Company's knowledge or control, including the duration and severity of the pandemic, as well as third-party actions taken to contain its spread and mitigate its public health effects. As a result, the Company is unable to estimate the extent to which the COVID-19 pandemic may negatively impact its financial results or liquidity in the future.

Cash Concentrations

The Company maintains its cash balances with a financial institution in federally insured accounts and may periodically have cash balances in excess of insurance limits. The Company maintains its accounts with a financial institution with a high credit rating. The Company has not experienced any losses to date and believes that it is not exposed to any significant credit risk on cash.

Cash and Cash Equivalents

The Company considers all highly liquid investments with a maturity of three months or less at the date of purchase to be cash equivalents. The Company currently invests available cash in money market funds.

Marketable Securities

Marketable securities consist of investments with original maturities greater than ninety days and less than one year from the balance sheet date. The Company classifies all of its investments as available-for-sale securities. Accordingly, these investments are recorded at fair value, which is based on quoted market prices. Unrealized gains and losses are recognized and determined on a specific identification basis and are included in other comprehensive loss. Realized gains and losses are determined on a specific identification basis and are included in other income on the consolidated statement of operations and other comprehensive loss. Amortization and accretion of discounts and premiums is recorded in interest income. The Company has invested available cash in United States Treasury obligations.

Restricted Cash

The Company had \$150,000 in restricted cash deposited with a commercial bank to collateralize a credit card as of September 30, 2021 and December 31, 2020.

Property and Equipment

Property and equipment is recorded at cost. Major improvements are capitalized, while maintenance and repairs are charged to expense as incurred. Gains and losses from dispositions of property and equipment are included in income and expense when realized. Amortization of leasehold improvements is provided using the straight-line method over the shorter of the lease term or the useful life of the underlying assets. Depreciation of property and equipment is provided using the straight-line method over the following estimated useful lives:

Laboratory equipment	5 years
Computer and office equipment	3 years
Furniture and fixtures	3-8 years

The Company recognizes depreciation and amortization expense in general and administrative expenses and in research and development expenses in the Company's consolidated statements of operations and comprehensive loss, depending on how each category of property and equipment is utilized in the Company's business activities.

Trademark

Trademark consists of the Company's right, title and interest to the CUE BIOLOGICS Mark, and any derivative mark incorporating CUE, throughout the world, together with all associated goodwill and common law rights appurtenant thereto, including, but not limited to, any right, title and interest in any corporate name, company name, business, name, trade name, dba, domain name, or other source identifier incorporating CUE.

The Company has classified the trademark as a component of other long-term assets, having a useful life of 15 years. The Company evaluates the status of this intangible asset for amortization and impairment at each quarter end and year end reporting date. For each of the three and nine months ended September 30, 2021 and 2020, the Company recorded approximately \$3,000 and \$9,000 in amortization expense, respectively, on a straight-line basis.

Revenue Recognition

The Company recognizes collaboration revenue under certain of the Company's license and collaboration agreements that are within the scope of Accounting Standards Codification ("ASC"), Topic 606, *Revenue from Contracts with Customers* ("ASC 606"). The Company's contracts with customers typically include promises related to licenses to intellectual property and research and development services. If the license to the Company's intellectual property is determined to be distinct from the other performance obligations identified in the arrangement, the Company recognizes revenue from non-refundable, up-front fees allocated to the license when the license is transferred to the licensee and the licensee is able to use and benefit from the license. For licenses that are bundled with other promises, the Company utilizes judgement to assess the nature of the combined performance obligation to determine whether the combined performance obligation is satisfied over time or at a point in time and, if over time, the appropriate method of measuring progress for purposes of recognizing revenue from non-refundable, up-front fees. Accordingly, the transaction price is generally comprised of a fixed fee due at contract inception and variable consideration in the form of milestone payments due upon the achievement of specified events and tiered royalties earned when customers recognize net sales of licensed products. The Company measures the transaction price based on the amount of consideration to which it expects to be entitled in exchange for transferring the promised goods and/or services to the customer. The Company utilizes the "most likely amount" method to estimate the amount of variable consideration, to predict the amount of consideration to which it will be entitled for its one open contract. Amounts of variable consideration are included in the transaction price to the extent that it is probable that a significant reversal in the amount of cumulative revenue recognized will not occur when the uncertainty associated with the variable consideration is subsequently resolved. At the inception of each arrangement that includes development and regulatory milestone payments, the Company evaluates whether the associated event is considered probable of achievement and estimates the amount to be included in the transaction price using the most likely amount method. Currently, the Company has one contract with an option to acquire additional goods and/or services in the form of additional research and development services for additional product candidates which it evaluated and determined that the option to acquire additional goods and/or services was not a material right related to the LG Chem Collaboration Agreement (as defined in Note 8).

Research and Development Expenses

Research and development expenses consist primarily of compensation costs, fees paid to consultants, outside service providers and organizations (including research institutes at universities), facility costs, and development and clinical trial costs with respect to the Company's product candidates.

Research and development expenses incurred under contracts are expensed ratably over the life of the underlying contracts, unless the achievement of milestones, the completion of contracted work, or other information indicates that a different pattern of performance is more appropriate. Other research and development expenses are charged to operations as incurred.

Nonrefundable advance payments are recognized as an expense as the related services are performed. The Company evaluates whether it expects the services to be rendered at each quarter end and year end reporting date. If the Company does not expect the services to be rendered, the advance payment is charged to expense. Nonrefundable advance payments for research and development services are included in prepaid and other current assets on the balance sheet. To the extent that a nonrefundable advance payment is for contracted services to be performed within 12 months from the reporting date, such advance is included in current assets; otherwise, such advance is included in non-current assets.

The Company evaluates the status of its research and development agreements and contracts, and the carrying amount of the related assets and liabilities, at each quarter end and year end reporting date, and adjusts the carrying amounts and their classification on the balance sheet as appropriate.

Patent Expenses

The Company is the exclusive worldwide licensee of, and has patent applications pending for, numerous domestic and foreign patents. Due to the significant uncertainty associated with the successful development of one or more commercially viable product candidates based on the Company's research efforts and any related patent applications, all patent costs, including patent-related legal fees, filing fees and other costs are charged to expense as incurred. For the three and nine months ended September 30, 2021, patent expenses were \$522,000 and \$1,606,000, respectively. For the three and nine months ended September 30, 2020, patent expenses were \$245,000 and \$1,586,000, respectively. Patent expenses are included in general and administrative expenses in the Company's consolidated statements of operations and comprehensive loss.

Licensing Fees and Costs

Licensing fees and costs consist primarily of costs relating to the acquisition of the Company's license agreement (the "Einstein License Agreement") with the Albert Einstein College of Medicine ("Einstein"), including related royalties, maintenance fees, milestone payments and product development costs. Licensing fees and costs are charged to research and development expense as incurred.

Long-Lived Assets

The Company reviews long-lived assets, consisting of property and equipment, for impairment at each fiscal year end or when events or changes in circumstances indicate the carrying value of these assets may exceed their current fair values. Recoverability of assets to be held and used is measured by a comparison of the carrying amount of an asset to the estimated undiscounted future cash flows expected to be generated by the asset. If the carrying amount of an asset exceeds its estimated future cash flows, an impairment charge is recognized for the amount by which the carrying amount of the asset exceeds the fair value of the assets. Assets to be disposed of are separately presented in the balance sheet and reported at the lower of the carrying amount or fair value less costs to sell and are no longer depreciated. The Company has not historically recorded any impairment to its long-lived assets. In the future, if events or market conditions affect the estimated fair value to the extent that a long-lived asset is impaired, the Company will adjust the carrying value of these long-lived assets in the period in which the impairment occurs.

Leases

The Company adopted Accounting Standards Update ("ASU") 2016-02, *Leases* ("ASC 842") as of January 1, 2019, which supersedes the existing guidance for lease accounting, ASC, Topic 840, *Leases*. ASC 842 requires a lessee to record a right-of-use asset and a corresponding lease liability for most lease arrangements on the balance sheet. Under the standard, disclosure of key information about leasing arrangements to assist users of the financial statements with assessing the amount, timing and uncertainty of cash flows arising from leases are required.

Stock-Based Compensation

The Company periodically issues stock-based awards to officers, directors, employees, Scientific and Clinical Advisory Board members, and outside consultants for services rendered. Such issuances vest and expire according to terms established at the issuance date.

Stock-based payments to officers, directors, employees, Scientific and Clinical Advisory Board members and outside consultants, including grants of employee stock options, are recognized in the financial statements based on their grant date fair values. Stock option grants, which are generally time-vested, are measured at the grant date fair value and charged to operations on a straight-line basis over the service period, which generally approximates the vesting term. The Company also grants performance-based awards periodically to officers of the Company. The Company recognizes compensation costs related to performance awards over the requisite service period if and when the Company concludes that it is probable that the performance condition will be achieved.

The fair value of stock options and restricted stock units is determined utilizing the Black-Scholes option-pricing model, which is affected by several variables, including the risk-free interest rate, the expected dividend yield, the life of the equity award, the exercise price of the stock option as compared to the fair value of the common stock on the grant date, and the estimated volatility of the common stock over the term of the equity award.

The risk-free interest rate is based on the U.S. Treasury yield curve in effect at the time of grant. Until the Company has an established trading market for its common stock, estimated volatility is based on the average historical volatilities of comparable public companies in a similar industry. The expected dividend yield is based on the current yield at the grant date; the Company has never declared or paid dividends and has no plans to do so for the foreseeable future. As permitted by Staff Accounting Bulletin No. 107, due to the Company's lack of trading history and option activity, management utilizes the simplified method to estimate the expected term of options at the date of grant. The exercise price is determined based on the fair value of the Company's common stock at the date of grant. The Company accounts for forfeitures as they occur.

The Company recognizes the fair value of stock-based compensation in general and administrative expenses and in research and development expenses in the Company's consolidated statements of operations and comprehensive loss, depending on the type of services provided by the recipient of the equity award.

Comprehensive Income (Loss)

Components of comprehensive income or loss, including net income or loss, are reported in the financial statements in the period in which they are recognized. Other comprehensive income or loss is defined as the change in equity during a period from transactions and other events and circumstances from non-owner sources. Net income (loss) and other comprehensive income (loss) are reported net of any related tax effect to arrive at comprehensive income (loss). Comprehensive income (loss) includes net income (loss) as well as changes in stockholders' equity that result from transactions and economic events other than those with stockholders. The Company's only element of other comprehensive income (loss) in all periods presented was unrealized gain or loss on available-for-sale securities.

Earnings (Loss) Per Share

The Company's computation of earnings (loss) per share ("EPS") for the respective periods includes basic and diluted EPS. Basic EPS is measured as the income (loss) attributable to common stockholders divided by the weighted average number of common shares outstanding for the period. Diluted EPS is similar to basic EPS but presents the dilutive effect on a per share basis of potential common shares that would result from the exercise of outstanding stock options and warrants as if they had been exercised at the beginning of the periods presented, or issuance date, if later. Potential common shares that have an anti-dilutive effect (i.e., those that increase income per share or decrease loss per share) are excluded from the calculation of diluted EPS. Basic and diluted loss per common share is the same for all periods presented because all outstanding stock options and warrants are anti-dilutive.

At September 30, 2021 and 2020, the Company excluded the outstanding securities summarized below, which entitle the holders thereof to acquire shares of common stock, from its calculation of earnings per share, as their effect would have been anti-dilutive.

	September 30,	
	2021	2020
Common stock warrants	851,969	861,969
Common stock options	5,533,657	5,198,587
Nonvested restricted stock units	131,669	263,335
Total	6,517,295	6,323,891

Fair Value of Financial Instruments

The authoritative guidance with respect to fair value established a fair value hierarchy that prioritizes the inputs to valuation techniques used to measure fair value into three levels and requires that assets and liabilities carried at fair value be classified and disclosed in one of three categories, as presented below.

Level 1. Observable inputs such as quoted prices in active markets for an identical asset or liability that the Company has the ability to access as of the measurement date. Financial assets and liabilities utilizing Level 1 inputs include active exchange-traded securities and exchange-based derivatives.

Level 2. Inputs, other than quoted prices included within Level 1, which are directly observable for the asset or liability or indirectly observable through corroboration with observable market data. Financial assets and liabilities utilizing Level 2 inputs include fixed income securities, non-exchange-based derivatives, mutual funds, and fair-value hedges.

Level 3. Unobservable inputs in which there is little or no market data for the asset or liability which requires the reporting entity to develop its own assumptions. Financial assets and liabilities utilizing Level 3 inputs include infrequently traded non-exchange-based derivatives and commingled investment funds and are measured using present value pricing models.

The Company determines the level in the fair value hierarchy within which each fair value measurement falls in its entirety, based on the lowest level input that is significant to the fair value measurement in its entirety. In determining the appropriate levels, the Company performs an analysis of the assets and liabilities at each reporting period end.

The Company had approximately \$60,005,000 in cash equivalents that was measured and recorded at fair value on the Company's balance sheet as of September 30, 2021. The Company had approximately \$72,943,000 in cash equivalents and \$10,003,000 in short-term marketable securities that were measured and recorded at fair value on the Company's balance sheet as of December 31, 2020.

The carrying value of financial instruments (consisting of cash, a certificate of deposit, accounts payable, accrued compensation and accrued expenses) is considered to be representative of their respective fair values due to the short-term nature of those instruments.

Recent Accounting Pronouncements

In June 2016, the Financial Accounting Standards Board (the "FASB") issued ASU No. 2016-13, *Financial Instruments-Credit Losses: Measurement of Credit Losses on Financial Instruments* (Topic 326) (CECL). The new standard requires entities to measure all expected credit losses for financial assets held at the reporting date based on historical experience, current conditions and reasonable and supportable forecasts. The new standard is effective for annual reporting periods beginning after December 15, 2022, including interim reporting periods within each annual reporting period for smaller reporting companies. The Company is still evaluating the impact of ASU No. 2016-13 on the Company's consolidated financial statements.

In December 2019, the FASB issued ASU No. 2019-12, *Income Taxes (Topic 740): Simplifying the Accounting for Income Taxes*, which is intended to simplify various aspects related to accounting for income taxes. The pronouncement became effective for fiscal years, and for interim periods within those fiscal years, beginning after December 15, 2020. ASU No. 2019-12 is effective for the Company beginning in fiscal 2021. The Company adopted ASU No. 2019-12 on January 1, 2021 and it did not have a material impact on the Company's financial position, results of operations or disclosures.

Management does not believe that any other recently issued, but not yet effective, authoritative guidance, if currently adopted, would have a material impact on the Company's financial statement presentation or disclosures.

3. Fair Value

The Company accounts for its financial assets and liabilities using fair value measurements. The authoritative accounting guidance defines fair value, establishes a framework for measuring fair value under U.S. GAAP and enhances disclosures about fair value measurements. Fair value is defined as the exchange price that would be received for an asset or paid to transfer a liability (an exit price) in the principal or most advantageous market for the asset or liability in an orderly transaction between market participants on the measurement date.

The following table presents information about the Company's assets that are measured at fair value on a recurring basis as of September 30, 2021 and December 31, 2020, and indicate the level of the fair value hierarchy utilized to determine such fair value:

Fair Value Measurements as of September 30, 2021				
(in thousands)				
	Level 1	Level 2	Level 3	Fair Value
Cash equivalents	\$ 60,005	\$ —	\$ —	\$ 60,005
Total	\$ 60,005	\$ —	\$ —	\$ 60,005

Fair Value Measurements as of December 31, 2020				
(in thousands)				
	Level 1	Level 2	Level 3	Fair Value
Cash equivalents	\$ 72,943	\$ —	\$ —	\$ 72,943
Marketable securities	—	10,003	—	10,003
Total	\$ 72,943	\$ 10,003	\$ —	\$ 82,946

As of September 30, 2021, the Company reported approximately \$60,005,000 of cash equivalents. The Company's cash equivalents that are invested in money market funds are valued using Level 1 inputs for identical securities. During the nine months ended September 30, 2021, the Company redeemed its marketable securities for operations. As of December 31, 2020, the Company reported approximately \$82,946,000 of cash equivalents and marketable securities. During the year ended December 31, 2020, there were no transfers between Level 2 and Level 3.

The carrying values of accounts receivable, prepaid expenses, other current assets, accounts payable and accrued expenses approximate their fair value due to the short-term nature of these balances.

4. Marketable Securities

As of December 31, 2020, the fair value of available-for-sale marketable securities by type of security was as follows:

(In thousands)	December 31, 2020			
	Amortized Cost	Gross Unrealized Gains	Gross Unrealized Losses	Fair Value
U.S. Treasury Securities	\$ 9,995	\$ 7	\$ —	\$ 10,003
	\$ 9,995	\$ 7	\$ —	\$ 10,003

At September 30, 2021, the Company had redeemed its entire investment in marketable securities. At December 31, 2020, marketable securities consisted of approximately \$10,003,000 of investments that mature within twelve months.

5. Property and Equipment

Property and equipment as of September 30, 2021 and December 31, 2020 consisted of the following:

	September 30, 2021	December 31, 2020
(in thousands)		
Laboratory equipment	\$ 5,203	\$ 4,148
Furniture and fixtures	93	93
Computer equipment	256	268
Leasehold improvements	7	—
Construction in progress	—	405
	5,559	4,915
Less accumulated depreciation	(3,220)	(2,807)
Net property and equipment	\$ 2,339	\$ 2,108

Depreciation expense for the three months ended September 30, 2021 and 2020 was approximately \$232,000 and \$199,000, respectively. Depreciation expense for the nine months ended September 30, 2021 and 2020 was approximately \$682,000 and \$596,000, respectively. Depreciation expense for the nine months ended September 30, 2021 excludes trademark amortization expense of approximately \$9,000, and amortization of capitalized license expenses of approximately \$257,000. Depreciation for the nine months ended September 30, 2020 excludes trademark amortization expense of approximately \$9,000, and amortization of capitalized license expenses of approximately \$199,000. During the nine months ended September 30, 2021, the Company sold fully depreciated lab equipment with an acquisition cost of \$269,000, and the Company recorded a gain on the sale of fixed assets of \$21,000, which is presented in other income on the consolidated statement of operations and other comprehensive loss. There were no disposals of property and equipment for the three and nine months ended September 30, 2020.

6. Stock-Based Compensation

Stock Option Valuation

For stock options requiring an assessment of value during the nine months ended September 30, 2021 and 2020, the fair value of each stock option award was estimated using the Black-Scholes option-pricing model utilizing the following assumptions:

	<u>September 30, 2021</u>
Risk-free interest rate	0.61% - 1.31%
Expected dividend yield	0%
Expected volatility	97.8% - 100.9%
Expected life	5.50 to 6.25 years
	<u>September 30, 2020</u>
Risk-free interest rate	0.38% - 1.78%
Expected dividend yield	0%
Expected volatility	93.4% - 99.6%
Expected life	5.50 to 6.25 years

A summary of stock option activity for the nine months ended September 30, 2021 is as follows:

	<u>Number of Shares</u>	<u>Weighted Average Exercise Price</u>	<u>Weighted Average Remaining Contractual Life (in Years)</u>
Stock options outstanding at December 31, 2020	5,030,899	\$ 9.10	5.51
Granted	1,026,000	14.41	
Exercised	(307,105)	6.71	
Cancelled	(216,137)	13.84	
Stock options outstanding at September 30, 2021	<u>5,533,657</u>	<u>10.03</u>	<u>5.55</u>
Stock options exercisable at September 30, 2021	<u>3,477,224</u>	<u>\$ 8.20</u>	<u>3.99</u>

The Company recognized approximately \$7,428,000 in stock-based compensation expense during the nine months ended September 30, 2021, related to stock options activity. As of September 30, 2021, total unrecognized stock-based compensation expense was approximately \$18,124,000, which is expected to be recognized as an operating expense in the Company's consolidated statement of operations and other comprehensive loss over the weighted average remaining period of 2.4 years. During the three months ended September 30, 2021, the Company granted 35,000 shares of stock options. During the nine months ended September 30, 2021, the Company granted stock options to purchase 1,026,000 shares of common stock with a weighted average grant date fair value of \$14.41 per share. During the three and nine months ended September 30, 2020, the Company granted stock options to purchase 235,000 shares of common stock with a weighted average grant date fair value of \$15.51 per share and stock options to purchase 964,300 shares of common stock with a weighted average grant date fair value of \$13.63 per share, respectively.

The intrinsic value of exercisable but unexercised in-the-money stock options at September 30, 2021 was approximately \$23,179,000, based on a weighted average grant date fair value of \$14.57 per share on September 30, 2021.

Restricted Stock Units

On October 3, 2019, the Company granted 100,000 restricted stock units (“RSUs”) with time-based vesting conditions to an executive officer having an average grant date fair value of \$7.53 per share. The RSUs vest in three equal installments beginning on the grant date, and annually on each anniversary of the grant date thereafter, subject to the recipient’s continued service on each applicable vesting date. Compensation expense is recognized on a straight-line basis.

On February 5, 2020, the Company granted 150,000 RSUs with time-based vesting conditions to an executive officer. One-half of the RSUs vested on September 30, 2021, and the balance vests on March 31, 2022, subject to the recipient’s continued service on each applicable vesting date. On March 31, 2020, the Company granted 50,000 RSUs with time-based vesting conditions to an executive officer. The RSUs vest in three equal installments beginning on the grant date, and annually on each anniversary of the grant date thereafter, subject to the recipient’s continued service on each applicable vesting date. Compensation expense is recognized on a straight-line basis.

On August 21, 2020, the Company granted 20,000 RSUs with time-based vesting conditions to an executive officer. The RSUs vest in three equal installments beginning on the grant date, and annually on each anniversary of the grant date thereafter, subject to the recipient’s continued service on each applicable vesting date. Compensation expense is recognized on a straight-line basis.

The following table summarizes the RSU activity under the Company’s 2016 Omnibus Incentive Plan for the nine months ended September 30, 2021:

Restricted Stock Units	Number of Shares	Weighted Average Grant Date Fair Value Per Share
Nonvested balance at December 31, 2020	230,002	\$ 16.66
Vested/Released	(98,333)	\$ 18.21
Nonvested balance at September 30, 2021	131,669	\$ 15.51

The Company recognized approximately \$1,113,000 in stock-based compensation during the nine months ended September 30, 2021 related to RSU activity. As of September 30, 2021, total unrecognized stock-based compensation was approximately \$1,660,000, which is expected to be recognized as an operating expense in the Company’s consolidated statement of operations and other comprehensive loss with a weighted average remaining period of less than 1 year.

Stock-based Compensation

Stock-based compensation expense for the three and nine months ended September 30, 2021 and 2020 was included in the Company’s consolidated statement of operations and other comprehensive loss as follows:

(in thousands)	Three Months Ended September 30,		Nine Months Ended September 30,	
	2021	2020	2021	2020
General and administrative	\$ 1,199	\$ 1,050	\$ 3,662	\$ 3,060
Research and development	2,053	1,450	4,879	5,139
Total	\$ 3,252	\$ 2,500	\$ 8,541	\$ 8,199

7. Warrants

The Company had two tranches of common stock warrants outstanding at September 30, 2021. The first tranche was exercisable for an aggregate of 370,370 shares of common stock and was issued on June 15, 2015 with an exercise price of \$2.70 per share. These warrants were issued with a 7-year term and expire on June 15, 2022. The second tranche was exercisable for an aggregate of 882,071 shares of common stock and was issued on December 27, 2017 with an exercise price of \$9.38 per share. These warrants were issued with a 5-year term and expire on December 26, 2022. The intrinsic value of exercisable but unexercised in-the-money common stock warrants at September 30, 2021 was approximately \$4,844,000 based on a fair value of \$14.57 per share on September 30, 2021.

Each tranche of warrants was evaluated under ASC 480, *Distinguishing Liabilities from Equity*, and ASC 815, *Derivatives and Hedging*, and the Company determined that equity classification was appropriate.

The following table shows common stock warrants outstanding as of September 30, 2021:

	Warrant Issued June 15, 2015- Tranche 1	Warrant Issued December 27, 2017- Tranche 2	Total
Shares remaining to be issued as of December 31, 2020	72,611	789,358	861,969
Issued via cashless exercises	(8,048)	—	(8,048)
Withheld as payment to cover issued shares	(1,952)	—	(1,952)
Shares remaining to be issued as of September 30, 2021	<u>62,611</u>	<u>789,358</u>	<u>851,969</u>

8. Collaboration Revenue

The Company recognizes collaboration revenue under certain of the Company's license or collaboration agreements that are within the scope of ASC 606. The Company's contracts with customers typically include promises related to licenses to intellectual property and research and development services. If the license to the Company's intellectual property is determined to be distinct from the other performance obligations identified in the arrangement, the Company recognizes revenue from non-refundable, up-front fees allocated to the license when the license is transferred to the licensee and the licensee is able to use and benefit from the license. For licenses that are bundled with other promises, the Company utilizes judgement to assess the nature of the combined performance obligation to determine whether the combined performance obligation is satisfied over time or at a point in time and if, over time, the appropriate method of measuring progress for purposes of recognizing revenue from non-refundable, up-front fees. The Company's contracts may include options to acquire additional goods and/or services.

The terms of the Company's arrangements with customers typically include the payment of one or more of the following: (i) non-refundable, up-front payment, (ii) development, regulatory and commercial milestone payments, (iii) future options and (iv) royalties on net sales of licensed products. Accordingly, the transaction price is generally comprised of a fixed fee due at contract inception and variable consideration in the form of milestone payments due upon the achievement of specified events and tiered royalties earned when customers recognize net sales of licensed products. The Company measures the transaction price based on the amount of consideration to which it expects to be entitled in exchange for transferring the promised goods and/or services to the customer. The Company utilizes the "most likely amount" method to estimate the amount of variable consideration, to predict the amount of consideration to which it will be entitled for its one open contract. Amounts of variable consideration are included in the transaction price to the extent that it is probable that a significant reversal in the amount of cumulative revenue recognized will not occur when the uncertainty associated with the variable consideration is subsequently resolved. Milestone payments that are not within the control of the Company or the licensee, such as those dependent upon receipt of regulatory approval, are not considered to be probable of achievement until the triggering event occurs. At the end of each reporting period, the Company reevaluates the probability of achievement of each milestone and any related constraint, and, if necessary, adjusts its estimate of the overall transaction price. Any such adjustments are recorded on a cumulative catch-up basis, which would affect revenue and net loss in the period of adjustment.

For arrangements that include sales-based royalties, including milestone payments based upon the achievement of a certain level of product sales, the Company recognizes revenue upon the later of: (i) when the related sales occur or (ii) when the performance obligation to which some or all of the payment has been allocated has been satisfied (or partially satisfied). To date, the Company has not recognized any development, regulatory or commercial milestones or royalty revenue resulting from any of its collaboration arrangements. Consideration that would be received for optional goods and/or services is excluded from the transaction price at contract inception.

The Company allocates the transaction price to each performance obligation identified in the contract on a relative standalone selling price basis, when applicable. However, certain components of variable consideration are allocated specifically to one or more particular performance obligations in a contract to the extent both of the following criteria are met: (i) the terms of the payment relate specifically to the efforts to satisfy the performance obligation or transfer the distinct good or service and (ii) allocating the variable amount of consideration entirely to the performance obligation or the distinct good or service is consistent with the allocation objective of the standard whereby the amount allocated depicts the amount of consideration to which the entity expects to be entitled in exchange for transferring the promised goods or services. The Company develops assumptions that require judgement to determine the standalone selling price for each performance obligation identified in each contract. The key assumptions utilized in determining the standalone selling price for each performance obligation may include forecasted revenues, development timelines, estimated research and development costs, discount rates, likelihood of exercise and probabilities of technical and regulatory success.

Revenue is recognized based on the amount of the transaction price that is allocated to each respective performance obligation when or as the performance obligation is satisfied by transferring a promised good and/or service to the customer. For performance obligations that are satisfied over time, the Company recognizes revenue by measuring the progress toward complete satisfaction of

the performance obligation using a single method of measuring progress which depicts the performance in transferring control of the associated goods and/or services to the customer. The Company uses input methods to measure the progress toward the complete satisfaction of performance obligations satisfied over time. The Company evaluates the measure of progress each reporting period and, if necessary, adjusts the measure of performance and related revenue recognition. Any such adjustments are recorded on a cumulative catch-up basis, which would affect revenue and net loss in the period of adjustment. The Company measures progress toward satisfaction of the performance obligation over time as effort is expended.

Collaboration Agreement with Merck

On November 14, 2017, the Company entered into a collaboration agreement (the “Merck Collaboration Agreement”) with Merck Sharp & Dohme Corp. (“Merck”) for a partnership to research and develop certain of the Company’s proprietary biologics that target certain autoimmune disease indications (the “Initial Indications”). The Company views the Merck Collaboration Agreement as a component of its development strategy since it will allow the Company to advance its autoimmune programs in partnership with a world class pharmaceutical company, while also continuing its focus on its more advanced cancer programs. The research program outlined in the Merck Collaboration Agreement entails (1) the Company’s research, discovery and development of certain Immuno-STAT™ drug candidates up to the point of demonstration of certain biologically relevant effects (“Proof of Mechanism”) and (2) the further development by Merck of the Immuno-STAT drug candidates that have demonstrated Proof of Mechanism (the “Proposed Product Candidates”) up to the point of demonstration of all or substantially all of the properties outlined in such Proposed Product Candidates’ profiles as described in the Merck Collaboration Agreement.

In exchange for the licenses and other rights granted to Merck under the Merck Collaboration Agreement, Merck paid to the Company a \$2.5 million nonrefundable up-front payment. Additionally, the Company may be eligible to receive funding in developmental milestone payments, as well as tiered royalties, if all research, development, regulatory and commercial milestones agreed upon by both parties are successfully achieved. Excluding the up-front payment described above, the Company is eligible to earn up to \$101.0 million for the achievement of certain research and development milestones, \$120.0 million for the achievement of certain regulatory milestones and \$150.0 million for the achievement of certain commercial milestones, in addition to tiered royalties on sales, if all pre-specified milestones associated with multiple products across the primary disease indication areas are achieved. The Merck Collaboration Agreement requires the Company to use the first \$2.5 million of milestone payments it receives under the agreement to fund contract research. The amount of the royalty payments is a percentage of product sales ranging in the single digits based on the amount of such sales.

As it relates to the Merck Collaboration Agreement, the Company recognized the up-front payment associated with its one open contract as a contract liability upon receipt of payment as it requires deferral of revenue recognition to a future period until the Company performs its obligations under the arrangement. Amounts expected to be recognized as revenue within the twelve months following the balance sheet date are classified in current liabilities. Amounts not expected to be recognized as revenue within the twelve months following the balance sheet date are classified as contract liabilities, net of current portion. The Company determined that there was one performance obligation, consisting of the license and research development services. Thus, the transaction price of \$2.5 million was allocated to the single performance obligation.

Aside from the \$2.8 million in milestone payments earned to date, the Company does not believe that any variable consideration should be included in the transaction price at September 30, 2021. The Company’s assessment ensured that estimates of variable consideration would be included in the transaction price only to the extent the Company had a high degree of confidence that revenue would not be reversed in a subsequent reporting period. The Company will re-evaluate the transaction price, including the estimated variable consideration included in the transaction price and all constrained amounts, in each reporting period and as other changes in circumstances occur. For the three months ended September 30, 2021 and 2020, the Company recorded approximately \$293,000 and \$51,000, respectively, in collaboration revenue related to the Merck Collaboration Agreement. For the nine months ended September 30, 2021 and 2020, the Company recorded approximately \$1,762,000 and \$174,000, respectively, in collaboration revenue related to the Merck Collaboration Agreement. As of September 30, 2021, the Company recorded a short-term research and development liability on its balance sheet of approximately \$328,000. As of December 31, 2020, the Company recorded a short-term research and development liability on its balance sheet of approximately \$607,000.

Collaboration Agreement with LG Chem Life Sciences

On November 6, 2018, the Company entered into a collaboration agreement (the “LG Chem Collaboration Agreement”) with LG Chem Life Sciences (“LG Chem”) related to the development of the Company’s Immuno-STATs focused in the field of oncology. Pursuant to the LG Chem Collaboration Agreement, the Company granted LG Chem an exclusive license to develop, manufacture and commercialize the Company’s lead product, CUE-101, as well as Immuno-STATs that target T cells against two additional cancer antigens, in certain Asian countries (collectively, the “LG Chem Territory”). On April 30, 2021, LG Chem’s option pursuant to the Global License and Collaboration Agreement, as amended on November 5, 2020, expired, and accordingly the Company no longer has any material obligations under the Global License and Collaboration Agreement. In June 2021, after ongoing discussions

regarding the selection of the second of the two additional cancer antigens, LG Chem and the Company agreed to let the selection period expire without a second antigen being selected. The Company retains rights to develop and commercialize all assets included in the LG Chem Collaboration Agreement in the United States and in global markets outside of the LG Chem Territory. In exchange for the licenses and other rights granted to LG Chem under the LG Chem Collaboration Agreement, LG Chem made a \$5.0 million equity investment in common stock of the Company and a \$5.0 million nonrefundable up-front cash payment. The Company is also eligible to receive up to an additional \$400.0 million in research, development, regulatory and sales milestones. In addition, the LG Chem Collaboration Agreement also provides that LG Chem will pay the Company tiered single-digit percentage royalties on net sales of commercialized product candidates in the LG Chem Territory.

On May 16, 2019, LG Chem paid the Company a \$2.5 million milestone payment for the U.S. Food and Drug Administration's ("FDA") acceptance of the investigational new drug application ("IND") for the Company's lead drug candidate, CUE-101, pursuant to the LG Chem Collaboration Agreement. The \$2.5 million milestone payment was recorded as a contract liability upon receipt of payment as it requires deferral of revenue recognition to a future period until the Company performs its obligations under the arrangement. Of the \$2.5 million milestone payment, approximately \$412,500 was recognized as tax withholding, shown as income tax expense on the consolidated statement of operations and other comprehensive loss.

On December 7, 2020, the Company earned a \$1.25 million milestone payment on the selection of a pre-clinical candidate pursuant to the LG Chem Collaboration Agreement. The \$1.25 million milestone payment was recorded as a contract liability upon receipt. Revenue related to this milestone payment will be recognized by the Company pursuant to the Company's revenue recognition policy in relation to the performance of its obligations related to the development of this pre-clinical candidate. Of the \$1.25 million milestone payment, approximately \$206,250 was withheld as payment of foreign tax withholding and shown as income tax expense on the consolidated statement of operations and other comprehensive loss.

Aside from the \$3.75 million in milestone payments under the LG Chem Collaboration Agreement and payments received in accordance with the research and development cost sharing provisions of the collaboration agreement, the Company does not believe that any variable consideration should be included in the transaction price as of September 30, 2021. The Company's assessment ensured that estimates of variable consideration would be included in the transaction price only to the extent the Company had a high degree of confidence that revenue would not be reversed in a subsequent reporting period. The Company will re-evaluate the transaction price, including the estimated variable consideration included in the transaction price and all constrained amounts, in each reporting period and as other changes in circumstances occur. For the three months ended September 30, 2021 and 2020, the Company recognized revenue of approximately \$2,102,000 and approximately \$653,000, respectively, related to the LG Chem Collaboration Agreement. For the nine months ended September 30, 2021 and 2020, the Company recognized revenue of approximately \$4,925,000 and approximately \$2,455,000, respectively, related to the LG Chem Collaboration Agreement. As of September 30, 2021, the Company recorded short-term research and development liabilities on its balance sheet of approximately \$4,935,000. As of December 31, 2020, the Company recorded short- and long-term research and development liabilities on its balance sheet of approximately \$6,074,000 and \$1,938,000, respectively.

Capitalization of Contract Costs

The Company considered the capitalization of contract costs under the guidance in ASC 340-40, *Other Assets and Deferred Costs: Contracts with Customers*. There were no contract costs identified in the Merck Collaboration Agreement. As it related to the LG Chem Collaboration Agreement, the Company capitalized license expenses of approximately \$908,000 as of September 30, 2021, paid to Einstein pursuant to the Einstein License Agreement which requires the Company to pay a percentage of sublicenses related to the Company's patent rights for components of its core technology that is licensed from Einstein. This amount is comprised of approximately \$438,000 of capitalized license expenses related to the up-front payment received from LG Chem in December 2018, approximately \$313,000 in capitalized license expenses related to the milestone payment received in June 2019, and approximately \$157,000 in capitalized license expenses related to the milestone payment received in December 2020, net of accumulated amortization on all capitalized license expenses of approximately \$668,000. As of September 30, 2021, \$160,000 in capitalized license expenses net of accumulated amortization was included in prepaid expenses and other short-term assets related to the LG Chem Collaboration Agreement. As of December 31, 2020, \$416,900 was included in prepaid expenses and other short-term assets.

9. Commitments and Contingencies

Einstein License Agreement

In 2015, the Company entered into the Einstein License Agreement with Einstein for certain patent rights relating to the Company's core technology platform for the engineering of biologics to control T cell activity, precision, immune-modulatory drug candidates, and two supporting technologies that enable the discovery of costimulatory signaling molecules (ligands) and T cell targeting peptides. On July 31, 2017, the Company entered into an amended and restated license agreement which modified certain obligations of the parties under the Einstein License Agreement. For each of the three and nine months ended September 30, 2021, the Company incurred approximately \$80,000 and \$257,000, respectively, in fees and expenses to Einstein in relation to this license. For the three and nine months ended September 30, 2020, the Company incurred approximately \$18,750 and \$56,250, respectively, in fees and expenses to Einstein in relation to this license.

The Company's remaining commitments with respect to the Einstein License Agreement are based on the attainment of future milestones. The aggregate amount of milestone payments to be made under the Einstein License Agreement equals up to \$1.85 million for each product, process or service that use the patents covered by the Einstein License Agreement, including certain technology received from Einstein relating thereto ("Licensed Products"), and up to \$1.85 million for each new indication of a Licensed Product. Additionally, the aggregate amount of one-time milestone payments based on cumulative sales of all Licensed Products equals up to \$5.75 million.

Collaboration Agreement with Merck

See discussion of the Merck Collaboration Agreement in Note 8.

Collaboration Agreement with LG Chem Life Sciences

See discussion of the LG Chem Collaboration Agreement in Note 8.

Contingencies

The Company accrues for contingent liabilities to the extent that the liability is probable and estimable. There are no accruals for contingent liabilities in the Company's consolidated financial statements.

The Company may be subject to various legal proceedings from time to time as part of its business. As of September 30, 2021, the Company was not a party to any legal proceedings or threatened legal proceedings, the adverse outcome of which, individually or in the aggregate, would have a material adverse effect on its business, financial condition or results of operations.

10. Leases

The Company leases approximately 19,900 square feet of office space in Cambridge, Massachusetts under a lease that began in May 2018 and is scheduled to expire on June 14, 2022 (the "Lease"), as discussed further below. Upon adoption of ASC 842, the Company recorded a right-of-use asset and corresponding lease liability for the Lease on January 1, 2019, by calculating the present value of lease payments, discounted at 6%, the Company's estimated incremental borrowing rate annually, over the 2-year remaining term.

The Company adopted ASC 842 as of January 1, 2019 using the effective date method, in which the Company did not restate prior periods. Upon adoption, the Company elected the package of practical expedients permitted under the transition guidance within ASC 842, which among other things, allowed it to carry forward the historical lease classification. The Company does not allocate consideration in its leases to lease and non-lease components and does not record leases on its balance sheets with terms of 12 months or less.

The Company uses its estimated incremental borrowing rate, which is derived from information available at the lease commencement date, in determining the present value of lease payments. The Company's incremental borrowing rate represents the rate of interest that it would have to pay to borrow over a similar term an amount equal to the lease payments in a similar economic environment.

The adoption of ASC 842 on January 1, 2019 resulted in the recognition of approximately \$9,692,000 of right-of-use asset and \$9,347,000 of lease liabilities on the Company's balance sheet. The adoption did not have a material net impact on the Company's consolidated statements of operations and comprehensive loss or accumulated deficit. The Company will review the classification of newly entered leases as either an operating or a finance lease and recognize a related right-of-use asset and lease liability on its balance sheet upon commencement.

On January 18, 2018, the Company entered into an operating lease agreement for its laboratory and office space in Cambridge, Massachusetts for the period from May 1, 2018 through April 30, 2021 (the "Laboratory and Office Lease"). The lease contains escalating payments during the lease period. Upon execution of this lease agreement, the Company prepaid three months of rent, two of which will be held in escrow and credited against future rent payments and the other of which was applied to the first month's rent. The Company also prepaid seven and one-half months' rent pursuant to an amendment to the lease agreement executed on June 18, 2018. These amounts were recorded to deposits and prepaid expenses, respectively, at December 31, 2018. On June 18, 2018, the Company entered into an amendment to the Laboratory and Office Lease that provided the Company with a reduction in rental fees for its office and laboratory space in exchange for prepayment of a portion of the fees. This amendment was effective beginning on May 15, 2018.

The monthly rent payment due under the Laboratory and Office Lease, as amended, was \$330,550 until April 2021 and increased to \$375,174 for the remainder of the term.

On September 20, 2018, the Company entered into an operating lease for additional laboratory space at 21 Erie Street, Cambridge, Massachusetts for the period from October 15, 2018 through April 14, 2021 (the "Additional Laboratory Lease"). The lease contains escalating payments during the lease period. The monthly rental rate under the Additional Laboratory Lease was \$72,600 for the first 12 months and \$78,600 for the remainder of the term. Upon execution of this lease agreement, the Company prepaid 12 months' rent pursuant to the lease agreement executed on September 20, 2018.

On September 19, 2019, the Company entered into a second amendment to the Additional Laboratory Lease that removed one holding room from the additional laboratory space. The amendment was effective beginning on October 1, 2019. The monthly rental rate under the Additional Laboratory Lease decreased from \$78,600 to \$58,995 for the remainder of the lease term. The partial termination of the lease did not change the classification of the lease and remained accounted for as an operating lease. The weighted-average discount rate remained the same at 6%. The Company accounted for the lease modification under ASC 842 that removed one holding room by electing Approach 1, which remeasured the right-of-use asset on the basis of the amount of the liability change. The modification of the partial termination resulted in a reduction to right-of-use asset and lease liability of \$335,465 and \$327,079, respectively. The difference of \$8,386 was recorded as a loss to the right-of-use asset as of December 31, 2020.

On June 24, 2020, the Company entered into a second amendment to the Laboratory and Office Lease. Pursuant to the amendment (1) the term of the lease was extended to June 14, 2022 and (2) the monthly rental rate for the last 14 months of the lease term was increased to \$375,174. The Company determined that the amendment should be accounted for as a lease modification applicable under ASC 842, not as a separate contract, with an effective date of lease modification of May 14, 2020. At the effective date of modification, the Company recorded an adjustment to the right-of-use asset and lease liability in the amount of approximately \$4,826,000.

On July 20, 2020, the Company entered into a third amendment to the Additional Laboratory Lease. Pursuant to the amendment, the term of the lease was extended to June 14, 2022. The Company determined that the amendment should be accounted for as a lease modification applicable under ASC 842, not as a separate contract, with an effective date of lease modification of August 4, 2020, when the agreement was fully executed. At the effective date of modification, the Company recorded an adjustment to the right-of-use asset and lease liability in the amount of approximately \$813,000.

At September 30, 2021, the Company recorded approximately \$3,369,000 to operating lease right-of-use asset, and approximately \$3,633,000 to the short-term operating lease liability. At September 30, 2021, the remaining lease term was 1 year for both leases. At December 31, 2020, the Company recorded approximately \$6,774,000 to operating lease right-of-use asset, and approximately \$4,777,000 and \$2,369,000 to short- and long-term operating lease liability, respectively. At December 31, 2020, the remaining lease term was 1.46 years for both leases. As of September 30, 2021 and December 31, 2020, a security deposit of approximately \$177,000 is included in deposits on the Company's consolidated balance sheet.

Future minimum lease payments under these leases at September 30, 2021 are as follows:

Year	(in thousands)
2021	1,312
2022	2,408
Total lease payment	\$ 3,720
Less: present value discount	(87)
Total	\$ 3,633

Total rent expense of approximately \$1,223,000 and \$1,212,000 was included in the consolidated statement of operations and other comprehensive loss for the three months ended September 30, 2021 and 2020, respectively, and \$3,668,000 and \$3,372,000 for the nine months ended September 30, 2021 and 2020, respectively. Other information pertaining to the Company's operating leases for the three and nine months ended September 30, 2021 is summarized in the table below.

Other information (in thousands)	Three Months Ended September 30, 2021	Nine Months Ended September 30, 2021
Cash paid for amounts included in the measurement of lease liabilities:		
Operating cash flows from operating leases	\$ 1,285	\$ 3,744
Operating lease cost	\$ 1,225	\$ 3,670
Weighted average discount rate	6.0%	6.0%
Weighted average remaining lease term	0.71 year	0.71 year

11. Subsequent Events

In October 2021, the Company entered into an open market sale agreement (the "October 2021 ATM Agreement") with Jefferies LLC, as agent, to sell shares of the Company's common stock for aggregate gross proceeds of up to \$80 million, from time to time, through an ATM equity offering program. The October 2021 ATM Agreement will terminate upon the earliest of (a) the sale of \$80 million of shares of the Company's common stock pursuant to the October 2021 ATM Agreement or (b) the termination of the October 2021 ATM Agreement by the Company or Jefferies, LLC. The June 2020 ATM Agreement with Stifel was terminated prior to entering into the October 2021 ATM Agreement with Jefferies. As of November 1, 2021, the Company sold an aggregate 108,500 shares of common stock under the October 2021 ATM Agreement for proceeds of approximately \$1.4 million, net of commissions paid, but excluding transaction expenses.

On October 22, 2021, the Company entered into a third amendment to the Laboratory and Office Lease. Pursuant to the amendment (1) the term of the lease was extended to March 14, 2024 and (2) the monthly rental rate for the last 21 months of the lease term was increased from \$375,174 to \$388,305.

Item 2. Management’s Discussion and Analysis of Financial Condition and Results of Operations

The following Management’s Discussion and Analysis of Financial Condition and Results of Operations of Cue Biopharma, Inc. and its subsidiary (“Cue Biopharma”, “we”, “us”, “our” or the “Company”) should be read in conjunction with our financial statements and accompanying notes included in this Quarterly Report on Form 10-Q and the financial statements and accompanying notes thereto for the fiscal year ended December 31, 2020 and the related Management’s Discussion and Analysis of Financial Condition and Results of Operations included in our Annual Report on Form 10-K filed by us with the Securities and Exchange Commission, or SEC, on March 9, 2021, or the 2020 Annual Report.

Overview

We are a clinical-stage biopharmaceutical company engineering a novel class of injectable biologics to selectively engage and modulate targeted T cells within the patient’s body. We believe our proprietary Immuno-STAT (*Selective Targeting and Alteration of T Cells*) platform will allow us to harness the fullest potential of an individual’s intrinsic immune repertoire for restoring health while avoiding the deleterious side effects of broad immune activation (for immuno-oncology or infectious disease indications) or broad immune suppression (for autoimmunity and inflammation). In addition to the selective modulation of T cell activity, we believe Immuno-STATs offer several key points of potential differentiation over competing approaches, including modularity and versatility, providing broad disease coverage, manufacturability, and convenient administration.

Through rational protein engineering, we leverage the modular and versatile nature of the Immuno-STAT platform to design drug product candidates for selective immune modulation in cancer, chronic infectious disease, and autoimmune disease. To address the needs of these clinical indications, we have developed four biologic series within the Immuno-STAT platform: CUE-100, CUE-200, CUE-300 and CUE-400, each specifically designed through rational protein engineering to possess distinct signaling modules for desired biological mechanisms that may be applied across many diseases. The CUE-100 series exploits rationally engineered IL-2 in context of the core Immuno-STAT framework for selective activation of targeted tumor-specific T cells, while the CUE-200 series is focused on cell surface receptors including CD80 and/or 4-1BBL to address T cell exhaustion associated with chronic infections. The CUE-300 series, being developed for autoimmune diseases, incorporates the inhibitory PD-L1 co-modulator for selective inhibition of the autoreactive T cell repertoire. This approach is pertinent for autoimmune diseases with known, well characterized, limited or few autoantigens, such as type 1 diabetes. The CUE-400 series, for autoimmune diseases with diverse or unknown autoantigens, represents a novel class of bispecific molecules that can selectively and effectively expand induced regulatory T cells, or iTregs. We categorize these molecules as “pathway-specific modulators,” or PSM. The first candidate, CUE-401, incorporates the two key biological signals that are necessary for generation of iTregs, namely IL-2 and TGF-beta. Based on structure-based rational protein engineering, both IL-2 and TGF-beta have been affinity tuned (i.e. the binding strength has been optimized) to maintain on-target engagement while minimizing systemic toxicities.

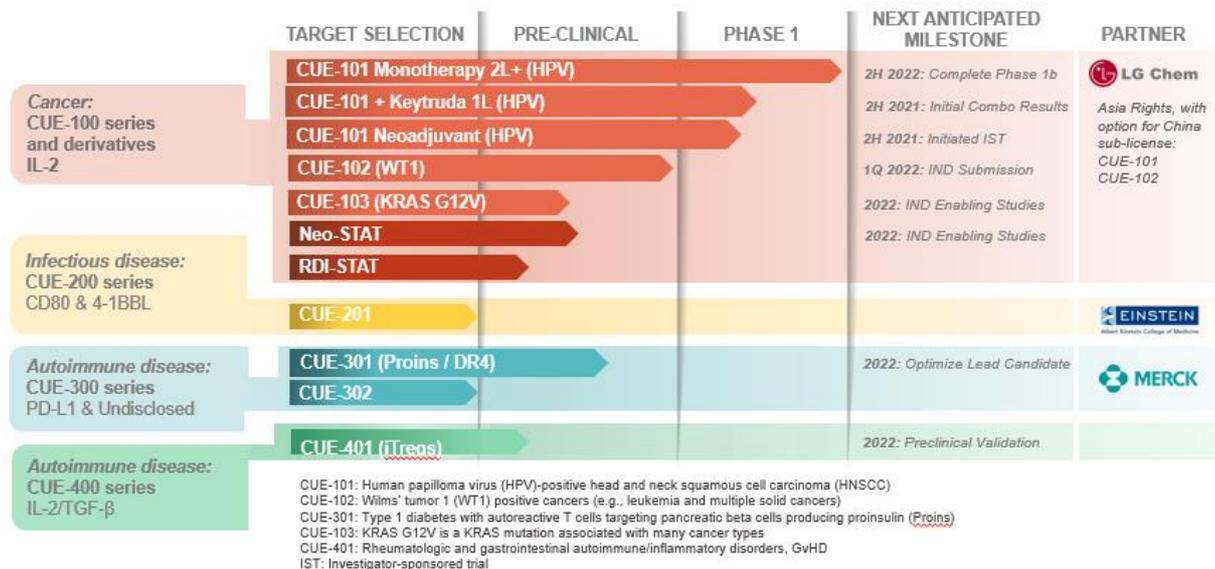
Our vision for the IL-2-based CUE-100 series has centered on three key pillars of validation, expansion and acceleration of our pipeline assets. We believe our lead clinical candidate, CUE-101, validates our technology platform and effectively reduces the risk profile of our IL-2-based pipeline, since the core framework is conserved. CUE-102 and CUE-103 allow us to expand our pipeline with the strategic intent of demonstrating modularity by incorporating different tumor antigens and human leukocyte antigen, or HLA, alleles. Acceleration of our platform applications via Neo-STAT™ and RDI-STAT™ (as described below) allow us to address the key challenges of tumor heterogeneity and tumor escape mechanisms. Based upon early, emerging clinical data from CUE-101, we are planning to focus our resources and core competencies on the further development of CUE-101 and additional CUE-100 series candidates, such as CUE-102 and CUE-103. In order to focus our efforts on realizing the potential value of our CUE-100 series, we intend to seek third party relationships to further develop the CUE-200, CUE-300, and CUE-400 series.

Our drug product candidates are in various stages of clinical and preclinical development, and while we believe that these candidates hold potential value, our activities are subject to significant risks and uncertainties. We have not yet commenced any commercial revenue-generating operations, have limited cash flows from operations, and will need to raise additional capital to fund our growth and ongoing business operations.

Our Immuno-STAT Platform Pipeline

The pipeline below details our current portfolio assets and their stages of development. CUE-101 is our most advanced clinical stage asset, representative of the CUE-100 series and is currently being dosed in a Phase 1 monotherapy trial for human papilloma virus (HPV)-driven recurrent/metastatic (R/M) head and neck cancer, as well as in a first line Phase 1 combination trial with KEYTRUDA® (pembrolizumab) in the same indication. CUE-102, our second clinical drug candidate from the IL-2 based CUE-100 series, focuses on Wilm's tumor-1 (WT1) as the targeted tumor antigen.

Cue Biopharma Drug Product Candidate Pipeline



We have made significant progress advancing the IL-2-based CUE-100 series and have generated a significant body of supportive data with the prospects of reducing the risk profile and enhancing prospective value for not only CUE-101, but also potentially for the entire IL-2 based CUE-100 series for oncology. We dosed the first patient in September 2019 in a monotherapy Phase 1 dose escalation clinical trial of CUE-101 for the treatment of HPV16-driven R/M head and neck squamous cell carcinoma, or HNSCC, in late-stage treatment-refractory patients with R/M-HNSCC who have received and failed several prior lines of systemic therapy including checkpoint inhibitors such as KEYTRUDA, already approved for first-line, or 1L, HPV+R/M HNSCC. To date, CUE-101 has demonstrated a favorable tolerability profile in the monotherapy trial and continues to generate supportive and encouraging emerging data pertaining to its pharmacokinetic, or PK, and pharmacodynamic, or PD, profile, as well as anti-tumor clinical activity as evidenced by a confirmed partial response, or PR, as well as multiple confirmed stable diseases, or SDs, lasting greater than 12 weeks, in the dose escalation phase of the clinical trial. In addition, in our Phase 1 clinical trial, we have continued to observe what we believe to be emerging data supporting an overall survival advantage. We have previously reported that the first nine patients, from the dose escalation Part A, i.e., patient from cohorts 1-3, representing dose concentrations from 0.06mg/kg, 0.18mg/kg and 0.54mg/kg respectively, had a median survival of greater than or equal to 12 months, which is four months beyond the median survival of approximately eight months reported for second line patients receiving checkpoint inhibitors pembrolizumab and nivolumab as a treatment for R/M-HNSCC.

Based upon data generated in the dose escalation Part A of the trial, we have chosen cohort 6, 4mg/kg as the recommended Phase 2 dose, or RP2D, for the Part B patient expansion dose concentration. Recruitment to the expansion cohort is ongoing, and we expect to enroll a total of 20 patients at the RP2D. We have generated encouraging data from the Part B patient expansion and believe we have a potential defined registration path as a monotherapy for second line and beyond patients.

During the fourth quarter of 2020, we also initiated a Phase 1 clinical trial into the first-line R/M HNSCC setting to evaluate the potential synergy of a combination of CUE-101 with Merck Sharp & Dohme Corp.'s, or Merck's, anti-PD-1 therapy KEYTRUDA®. The first patient in this combination study was dosed in the first quarter of 2021. In the third quarter of 2021, we completed the enrollment of the second cohort, at 2mg/kg, and initiated the enrollment of patients in the third cohort at 4mg/kg. To date, no dose-limiting toxicities have been observed in the first two cohorts. Early signs of activity in the combination study are encouraging, with

three of three patients from cohort two, 2mg/kg, demonstrating reductions in their target tumor lesions on their first scan after two cycles of therapy. The potential synergy with KEYTRUDA is due to CUE-101's design and protein engineering to selectively activate and expand tumor-targeted T cells directly in the patient's body. We believe the potential of CUE-101 to synergize with and enhance the clinical activity of KEYTRUDA is mechanistically attractive since the presence of expanded tumor-specific T cells are a pre-requisite for and an obligatory target of anti-PD-1. We believe that early clinical data metrics from the dose escalation cohorts of the combination trial appear to be encouraging and supportive of potential mechanistic synergy from the combination of CUE-101 and KEYTRUDA®. In preclinical studies, we have observed activation and expansion of the targeted T cells circulating in the peripheral blood, as well as a significant expansion of tumor infiltrating lymphocytes. In addition to the Phase 1 monotherapy and combination trial with KEYTRUDA, CUE-101 is being used in an investigator sponsored Phase 2 neoadjuvant study in locally advanced HPV+ HNSCC patients at Washington University in St. Louis. This study is expected to provide further mechanistic evidence and insights into the activation and effector function of T cells resident in tumor tissue and their impact on tumor viability and is scheduled to begin in the fourth quarter of 2021.

CUE-101 is the most advanced candidate from our IL-2 based CUE-100 series and is representative and exemplary of the union of the rational protein engineering underscoring the Immuno-STAT platform and key immunological targets, or activity nodes, to selectively enhance anti-tumor immunity. Data relating to this work were recently published in a peer-reviewed journal, *Clinical Cancer Research*. Importantly, we believe that the totality of clinical data with CUE-101, underscored by the recent confirmed partial response and several durable stable diseases in patients from the ongoing Phase 1 monotherapy study of CUE-101, effectively reduces the risk profile of the IL-2 based CUE-100 series. The core framework of the CUE-100 series remains essentially the same for each drug candidate, except for the 9-10 amino acid sequence of the targeting peptide epitope within the major histocompatibility complex, or MHC, pocket or the HLA in humans. Therefore, with the exception of some protein engineering modifications to ensure stability and manufacturability, the core IL-2 scaffold is conserved as a shared molecular feature of all molecules generated within this series (including CUE-102, and the next-gen platform, Neo-STAT™, as described below). Data pertaining to platform validation for the CUE-100 series Immuno-STATs and Neo-STATs were recently published in *Nature Scientific Reports*.

Furthering the development of the CUE-100 series, we are also advancing additional promising preclinical candidates that we believe hold the potential to treat multiple cancers. Data from our second product candidate of the CUE-100 series, CUE-102 (WT1) have been presented in external conferences, including most recently at the New York Academy of Science Frontiers in Cancer Immunotherapy conference in May 2021. These data support early evidence of selective T cell expansion, along with polyfunctional effector function including killing of target cells. We are continuing to develop CUE-102 toward an investigational new drug application, or IND, through enabling studies, and we anticipate filing an IND for this product candidate in the first half of 2022. We have also generated foundational data with an Immuno-STAT targeting the mutated G12V KRAS T cell epitope, CUE-103, including demonstration of activation and expansion of T cells expressing G12V-specific T cell receptors, or TCRs. These data were presented at the Society for Immunotherapy of Cancer, or SITC, meeting in November 2020 and more recently at the Immuno-Oncology conference, IO-360, in February 2021. An update on the ongoing Phase 1 clinical trial of CUE-101, as well as updates pertaining to CUE-102 and other platform assets, including CUE-103, is planned for the upcoming SITC meeting scheduled on November 10-14, 2021. At the 2021 Federation of Clinical Immunology Societies conference in June 2021, we shared preclinical data on our CUE-401 molecule, comprised of an IL-2 variant and TGF-beta variant. These data demonstrated CUE-401 activity on iTregs both in vitro and in vivo for potential autoimmune disease indications.

Importantly, through rational protein engineering, we have expanded the reach of the Immuno-STAT platform to potentially address the diversity and heterogeneity of many cancers by developing a derivative scaffold from the CUE-100 series that contains stable "peptide-less" or "empty" MHC pocket, or HLA molecules, to which peptides of interest may be covalently attached. We refer to this derivative scaffold as Neo-STAT™. Neo-STAT is designed to provide greater flexibility for targeting multiple tumor epitopes, enhance production efficiencies, decrease time and cost to manufacture and potentially lend itself to personalized neo-antigen strategies in cancer immunotherapy as an off-the-shelf approach.

In addition, in an effort to address tumor escape mechanisms of MHC or HLA loss and related components of antigen presentation, we have engineered a bi-specific RDI-STAT (**R**e-**D**irected **I**mmuno-**S**TAT) platform that harnesses virally directed Immuno-STATs linked with a tumor-targeting moiety to bind to a protein on the surface of the cancer cell and make them appear as virally infected cells. This allows us to utilize the pre-existing protective anti-viral T cell repertoire present in a patient's body to kill cancers, including those that have lost expression of MHC or HLA or have defects in antigen-presenting pathways. As with CUE-101 and our other CUE-100 series drug candidates, these innovative platforms potentially avoid systemic T cell activation and related cytokine release syndrome to provide significant differentiation over other approaches, including IL-2 variants and other bi-specific molecules, that rely on global T cell activation.

The COVID-19 Pandemic

The COVID-19 pandemic has prompted governments and regulatory bodies throughout the world to issue "stay-at-home" or similar orders, and enact restrictions on the performance of "non-essential" services, public gatherings and travel. Beginning in March

2020, we undertook precautionary measures intended to help minimize the risk of virus transmission to our employees, including the establishment of remote working standards, pausing all non-essential travel worldwide for our employees, and limiting employee attendance at industry events and in-person work-related meetings, to the extent those events and meetings are continuing. We also established policies and procedures for all personnel who enter our company premises. The policies and procedures we implemented are consistent with the rules and guidelines recommended by the Centers for Disease Control and Prevention, the Commonwealth of Massachusetts and the City of Cambridge. However, these actions or additional measures we may undertake may ultimately delay progress of our developmental goals or otherwise negatively affect our business. In addition, third-party actions taken to contain the spread of the novel coronavirus, SARS-CoV-2, and mitigate public health effects may negatively affect our business. To date, we have experienced supply chain disruptions for lab supplies used in our pre-clinical research. We do not believe any of these actions or disruptions have had a significant impact on our productivity or our operations.

In January 2021, we were notified by our contract manufacturing organization, or CMO, that the manufacture of our cGMP material for the CUE-102 drug candidate would be delayed by approximately six weeks due to the invocation of the Defense Production Act, or DPA, which gives priority to the manufacture of vaccines and other drug products used to prevent or treat COVID-19. The delay in the manufacturing of our CUE-102 cGMP batch has impacted the expected filing date of the CUE-102 IND that was planned for the fourth quarter of 2021. The CUE-102 IND is now expected to be filed in the first quarter of 2022 based on the revised CUE-102 cGMP manufacturing date provided by our CMO.

Plan of Operation

Our technology is in the development phase. We believe that our licensed platforms have the potential for creating a diverse pipeline of promising drug candidates addressing multiple medical indications. We intend to maximize the value and probability of commercialization of our Immuno-STAT product candidates by focusing on researching, testing, optimizing, conducting pilot studies, performing early stage clinical development and potentially partnering, where appropriate, for more extensive, later stages of clinical development, as well as seeking extensive patent protection and intellectual property development.

Since we are a development-stage company, the majority of our business activities to date and our planned future activities will be devoted to furthering research and development.

A fundamental part of our corporate development strategy is to establish one or more strategic partnerships with leading pharmaceutical or biotechnology organizations that will allow us to more fully exploit the potential of our technology platform, such as those described below under the headings “Collaboration Agreement with Merck” and “Collaboration with LG Chem”.

Critical Accounting Policies and Significant Judgements and Estimates

Our management’s discussion and analysis of our financial condition and results of operations is based on our financial statements, which have been prepared in accordance with generally accepted accounting principles in the United States, or U.S. GAAP. The preparation of our financial statements requires us to make estimates and assumptions that affect the reported amounts of assets and liabilities and the disclosure of contingent assets and liabilities at the date of our financial statements, and the reported revenue and expenses during the reported periods. We evaluate these estimates and judgments, including those described below, on an ongoing basis. We base our estimates on historical experience, known trends and events, contractual milestones and various other factors that we believe are reasonable under the circumstances, the results of which form the basis for making judgments about the carrying value of assets and liabilities that are not readily apparent from other sources. Actual results may differ from these estimates under different assumptions or conditions.

While our significant accounting policies are more fully described in Note 2 to our consolidated financial statements appearing elsewhere in this Quarterly Report on Form 10-Q, we believe that the estimates, assumptions and judgments involved in the accounting policies described in Management’s Discussion and Analysis of Financial Condition and Results of Operations in Item 7 of our 2020 Annual Report, have the greatest potential impact on our financial statements, so we consider those estimates, assumptions and judgments to be our critical accounting policies and estimates. There were no material changes to our critical accounting policies and estimates during the nine months ended September 30, 2021.

Recent Accounting Pronouncements and Adopted Standards

A discussion of recent accounting pronouncements is included in Note 2 to the Company’s consolidated financial statements in this Quarterly Report on Form 10-Q.

Significant Contracts and Agreements Related to Research and Development Activities

Einstein License Agreement

On January 14, 2015, we entered into a license agreement, as amended and restated on July 31, 2017, or the Einstein License, with Albert Einstein College of Medicine, or Einstein, for certain patent rights relating to our core technology platform for the engineering of biologics to control T cell activity, precision, immune-modulatory drug candidates, and two supporting technologies that enable the discovery of costimulatory signaling molecules (ligands) and T cell targeting peptides.

We hold an exclusive worldwide license, with the right to sublicense, import, make, have made, use, provide, offer to sell, and sell all products, processes and services that use the patents covered by the Einstein License, including certain technology received from Einstein related thereto, or the Licensed Products. Under the Einstein License, we are required to:

- Pay royalties and amounts based on certain percentage of proceeds, as defined in the Einstein License, from sales of Licensed Products and sublicense agreements.
- Pay escalating annual maintenance fees, which are non-refundable, but are creditable against the amount due to Einstein for royalties.
- Make significant payments based upon the achievement of certain milestones, as defined in the Einstein License. For the three months ended September 30, 2021, none of these milestones had been achieved by us.
- Incur minimum product development costs per year until the first commercial sale of the first Licensed Product.

As of September 30, 2021, we were in compliance with our obligations under the Einstein License.

The Einstein License expires upon the expiration of the last obligation to make royalty payments to Einstein which may be due with respect to certain Licensed Products, unless terminated earlier under the provisions thereof. The Einstein License includes certain termination provisions if we fail to meet our obligations thereunder.

We account for the costs incurred in connection with the Einstein License in accordance with Accounting Standards Codification, or ASC 730, *Research and Development*. For the three and nine months ended September 30, 2021, costs incurred with respect to the Einstein License were \$80,000 and \$257,000, respectively. For the three and nine months ended September 30, 2020, costs incurred with respect to the Einstein License were \$18,750 and \$56,250, respectively. Such costs are included in research and development costs in the Company's consolidated statement of operations and other comprehensive loss. Pursuant to the Einstein License, we issued to Einstein 671,572 shares of our common stock in connection with the consummation of the initial public offering of our common stock on December 27, 2017.

Collaboration Agreement with Merck

On November 14, 2017, we entered into an Exclusive Patent License and Research Collaboration Agreement, or the Merck Collaboration Agreement, with Merck for a partnership to research and develop certain of our proprietary biologics that target certain autoimmune disease indications, or the Initial Indications. We view the Merck Collaboration Agreement as a component of our development strategy since it will allow us to advance our autoimmune programs in partnership with a world class pharmaceutical company, while also continuing our focus on our more advanced cancer programs. The research program outlined in the Merck Collaboration Agreement entails (1) our research, discovery and development of certain Immuno-STAT drug candidates up to the point of demonstration of certain biologically relevant effects, or Proof of Mechanism, and (2) the further development by Merck of the Immuno-STAT drug candidates that have demonstrated Proof of Mechanism, or the Proposed Product Candidates, up to the point of demonstration of all or substantially all of the properties outlined in such Proposed Product Candidates' profiles as described in the Merck Collaboration Agreement.

For the purposes of this collaboration, we granted to Merck under the Merck Collaboration Agreement an exclusive license under certain of our patent rights, including a sublicense of patent rights licensed from Einstein, to the extent applicable to the specific Immuno-STAT that are elected to be developed by Merck. So long as Merck continues product development on a Proposed Product Candidate, we are restricted from conducting any development activities within the Initial Indication covered by such Proposed Product Candidate other than pursuant to the Merck Collaboration Agreement.

In exchange for the licenses and other rights granted to Merck under the Merck Collaboration Agreement, Merck paid to us a \$2.5 million nonrefundable up-front payment. Additionally, we may be eligible to receive funding in developmental milestone payments, as well as tiered royalties, if all research, development, regulatory and commercial milestones agreed upon by both parties are successfully achieved. Excluding the \$2.5 million up-front payment described above, we are eligible to earn up to \$101.0 million for the achievement of certain research and development milestones, \$120.0 million for the achievement of certain regulatory milestones and \$150.0 million for the achievement of certain commercial milestones, in addition to tiered royalties on sales, if all pre-specified milestones associated with multiple products across the primary disease indication areas are achieved. The Merck Collaboration Agreement requires us to use the first \$2.5 million of milestone payments we receive under the agreement to fund contract research. The amount of the royalty payments is a percentage of product sales ranging in the single digits based on the amount of such sales. For the three months ended September 30, 2021 and 2020, we recorded approximately \$293,000 and \$51,000, respectively, in collaboration revenue related to the Merck Collaboration Agreement. For the nine months ended September 30, 2021 and 2020, we recorded approximately \$1,762,000 and \$174,000, respectively, in collaboration revenue related to the Merck Collaboration Agreement.

The term of the Merck Collaboration Agreement extends until the expiration of all royalty obligations following a product candidate's receipt of marketing authorization, at which point Merck's licenses and sublicenses granted under the agreement shall become fully paid-up, perpetual licenses and sublicenses, as applicable. Royalties on each product subject to the Merck Collaboration Agreement shall continue on a country-by-country basis until the expiration of the later of: (1) the last-to-expire patent claiming the compound on which such product is based and (2) a period of ten years after the first commercial sale of such product in such country.

Notwithstanding the foregoing, Merck may terminate the Merck Collaboration Agreement at any time upon 30 days' notice to us. The Merck Collaboration Agreement may also be terminated by either party if the other party is in breach of its obligations thereunder and fails to cure such breach within 90 days after notice or by either party if the other party files for bankruptcy or other similar insolvency proceedings.

Collaboration Agreement with LG Chem

Effective November 6, 2018, we entered into a collaboration agreement with LG Chem Life Sciences, or LG Chem, which we refer to as the LG Chem Collaboration Agreement, related to the development of Immuno-STATs focused in the field of oncology.

Pursuant to the LG Chem Collaboration Agreement, we granted LG Chem an exclusive license to develop, manufacture and commercialize our lead product, CUE-101, as well as Immuno-STATs that target T cells against two additional cancer antigens, or Product Candidates, in Australia, Japan, Republic of Korea, Singapore, Malaysia, Vietnam, Thailand, Philippines, Indonesia, China (including Macau and Hong Kong) and Taiwan, which we refer to collectively as the LG Chem Territory. On December 20, 2018, we reported the selection of Wilm's Tumor 1, or WT1, as the first target antigen for a Product Candidate under the LG Chem Collaboration Agreement. In June 2021, after ongoing discussions regarding the selection of the second of the two additional cancer antigens, we agreed with LG Chem to let the selection period expire without a second antigen being selected. We retain rights to develop and commercialize all assets included in the LG Chem Collaboration Agreement in the United States and in global markets outside of the LG Chem Territory. Under the LG Chem Collaboration Agreement, we will engineer the selected Immuno-STATs for up to three alleles, which are expected to include the predominant alleles in the LG Chem Territory, thereby enhancing our market reach by providing for greater patient coverage of populations in global markets, while LG Chem will establish a chemistry, manufacturing and controls, or CMC, process for the development and commercialization of selected Product Candidates. The LG Chem Collaboration Agreement provided LG Chem with the option to select one additional Immuno-STAT for an oncology target, or an Additional Immuno-STAT, for an exclusive worldwide development and commercialization license. On December 18, 2019, we and LG Chem entered into a global license and collaboration agreement, which was amended on November 5, 2020. We refer to such agreement, as amended, as the Global License and Collaboration Agreement. The Global License and Collaboration Agreement supersedes the provisions of the LG Chem Collaboration Agreement related to LG Chem's option for an Additional Immuno-STAT but generally does not become effective unless and until LG Chem exercises its option, other than certain select provisions including the length of the option period and representations, warranties and covenants of the parties. On April 30, 2021, LG Chem's option pursuant to the Global License and Collaboration Agreement, as amended on November 5, 2020, expired, and accordingly the Global License and Collaboration Agreement no longer contains any material obligations of ours. We will retain an option to co-develop and co-commercialize the additional program worldwide.

Under the terms of the LG Chem Collaboration Agreement, LG Chem paid us a \$5.0 million non-refundable, non-creditable up-front payment and purchased approximately \$5.0 million of shares of our common stock at a price per share equal to a 20% premium to the volume weighted-average closing price per share over the thirty (30) trading day period immediately prior to the effective date of the LG Chem Collaboration Agreement. We are also eligible to receive up to an additional aggregate payments of approximately \$400.0 million if certain research, development, regulatory and commercial milestones are successfully achieved. On May 16, 2019, we earned a \$2.5 million milestone payment for the U.S. Food and Drug Administration's, or FDA's, acceptance of the IND for our lead drug candidate, CUE-101, pursuant to the LG Chem Collaboration Agreement. On December 7, 2020, we earned a \$1.25 million

milestone payment on the selection of a pre-clinical candidate pursuant to the LG Chem Collaboration Agreement. In addition, the LG Chem Collaboration Agreement also provides that LG Chem will pay us tiered single-digit royalties on net sales of commercialized Product Candidates, or Collaboration Products, in the LG Chem Territory on a product-by-product and country-by-country basis, until the later of expiration of patent rights in a country, the expiration of regulatory exclusivity in such country, or ten years after the first commercial sale of a Collaboration Product in such country, subject to certain royalty step-down provisions set forth in the LG Chem Collaboration Agreement.

Pursuant to the LG Chem Collaboration Agreement, the parties will share research costs related to Collaboration Products, and LG Chem will provide CMC process development for selected Product Candidates and potentially additional downstream manufacturing capabilities, including clinical and commercial supply for Collaboration Products. In return for performing CMC process development, LG Chem is eligible to receive low-single digit royalty payments on the sales of Collaboration Products sold in all countries outside the LG Chem Territory. The amount of fees and milestone payments, as well as whether we receive royalty payments, will depend on the number of alleles selected by LG Chem and whether we exercise our option to co-develop and co-commercialize the additional program worldwide, in which case we would share costs and profits instead of receiving royalties and post-option-exercise milestones. For the three months ended September 30, 2021 and 2020, we recognized revenue of approximately \$2,102,000 and approximately \$653,000, respectively, related to the LG Chem Collaboration Agreement. For the nine months ended September 30, 2021 and 2020, we recognized revenue of approximately \$4,925,000 and approximately \$2,455,000, respectively, related to the LG Chem Collaboration Agreement.

The LG Chem Collaboration Agreement includes various representations, warranties, covenants, indemnities and other customary provisions. LG Chem may terminate the LG Chem Collaboration Agreement for convenience or in the event we undergo a change of control on a program-by-program, product-by-product or country-by-country basis, or in its entirety, at any time following the notice period set forth in the LG Chem Collaboration Agreement. Either party may terminate the LG Chem Collaboration Agreement, in its entirety or on a program-by-program, product-by-product or country-by-country basis, in the event of an uncured material breach. The LG Chem Collaboration Agreement is also terminable by either party (i) upon the bankruptcy, insolvency or liquidation of the other party or (ii) for certain activities involving the challenge of certain patents controlled by the other party. Unless earlier terminated, the LG Chem Collaboration Agreement will expire on a product-by-product and country-by-country basis upon the expiration of the applicable royalty term.

Results of Operations

Collaboration Revenue

We have not generated commercial revenue from product sales. To date, we have generated collaboration revenue from the Merck Collaboration Agreement and the LG Chem Collaboration Agreement. Collaboration revenue may vary from period to period depending on the progress of our work in connection with either or both of our collaboration agreements.

Operating Expenses

We generally recognize operating expenses as they are incurred in two general categories, general and administrative expenses and research and development expenses. Our operating expenses also include non-cash components related to depreciation and amortization of property and equipment and stock-based compensation, which are allocated, as appropriate, to general and administrative expenses and research and development expenses.

General and administrative expenses consist of salaries and related expenses for executive, legal, finance, human resources, information technology and administrative personnel, as well as professional fees, insurance costs, and other general corporate expenses. Management expects general and administrative expenses to increase in future periods as we add personnel and incur additional expenses related to an expansion of our research and development activities, including higher legal, accounting, insurance, compliance, compensation and other expenses.

Research and development expenses consist primarily of compensation expenses, fees paid to consultants, outside service providers and organizations (including research institutes at universities), facility expenses, and development and clinical trial expenses with respect to our product candidates. We charge research and development expenses to operations as they are incurred. Management expects research and development expenses to increase in the future as we increase our efforts to develop technology for potential future products based on our technology and research.

Three and Nine Months Ended September 30, 2021 and 2020

Our consolidated statements of operations and other comprehensive loss for the three and nine months ended September 30, 2021 and 2020, as discussed herein, are presented below.

	Three Months Ended September 30,		Nine Months Ended September 30,	
	2021	2020	2021	2020
	(in thousands)		(in thousands)	
Collaboration revenue	\$ 2,395	\$ 704	\$ 6,687	\$ 2,679
Operating expenses:				
General and administrative	4,125	3,318	12,660	11,205
Research and development	11,288	7,517	29,846	25,542
Total operating expenses	15,413	10,835	42,506	36,747
Loss from operations	(13,018)	(10,131)	(35,819)	(34,068)
Other income:				
Interest income, net	25	100	42	386
Total other income	25	100	42	386
Net Loss	\$ (12,993)	\$ (10,031)	\$ (35,777)	\$ (33,682)
Unrealized (loss) gain from available-for-sale securities	—	83	(7)	82
Comprehensive loss	\$ (12,993)	\$ (9,948)	\$ (35,784)	\$ (33,600)
Net loss per common share – basic and diluted	\$ (0.41)	\$ (0.34)	\$ (1.16)	\$ (1.20)
Weighted average common shares outstanding – basic and diluted	31,515,178	29,650,909	31,064,579	28,151,361

Collaboration Revenue

Collaboration revenue was \$2,395,000 and \$704,000 for the three months ended September 30, 2021 and 2020, respectively. We recognized collaboration revenue of \$6,687,000 and \$2,679,000 for the nine months ended September 30, 2021 and 2020, respectively. All collaboration revenue recognized was related to the performance of services under our collaboration agreements with Merck and LG Chem.

General and Administrative

General and administrative expenses totaled \$4,125,000 and \$3,318,000 for the three months ended September 30, 2021 and 2020, respectively. This increase of \$807,000 during the three months ended September 30, 2021 compared to the three months ended September 30, 2020 was due primarily to legal expense, accounting expense related to the issuance of our common stock pursuant to an “at-the-market” equity offering program, and stock compensation related to related parties and non-related parties. We expect our general and administrative expenses to increase as we continue to expand our operations.

General and administrative expenses for the three months ended September 30, 2021 consisted of expenses related to professional and consulting fees of \$1,319,000, stock-based compensation of \$1,199,000, employee and board compensation of \$1,064,000, rent of \$263,000, insurance expense of \$85,000, depreciation and amortization of \$25,000, travel of \$9,000, investor relations expense of \$5,000 and other expenses of \$155,000. General and administrative expenses for the three months ended September 30, 2020 consisted of expenses related to stock-based compensation expense of \$1,050,000, employee and board compensation of \$964,000, professional and consulting fees of \$744,000, rent of \$297,000, insurance expense of \$67,000, investor relations of \$53,000, depreciation and amortization of \$25,000, travel of \$3,000, and other expenses of \$115,000.

General and administrative expenses totaled \$12,660,000 and \$11,205,000 for the nine months ended September 30, 2021 and 2020, respectively. This increase of \$1,455,000 was due primarily to legal expense and stock compensation paid to related parties and non-related parties and promotions. We expect our general and administrative expenses to continue to increase as we expand our operations.

General and administrative expenses for the nine months ended September 30, 2021 consisted of expenses related to professional and consulting fees of \$4,065,000, stock-based compensation of \$3,662,000, employee and board compensation of \$3,221,000, rent of \$800,000, insurance expense of \$254,000, depreciation and amortization of \$80,000, investor relations of \$19,000, travel of \$14,000, and other expenses of \$544,000. General and administrative expenses for the nine months ended September 30, 2020 consisted of expenses related to professional and consulting fees of \$3,498,000, stock-based compensation expense of \$3,060,000, employee and board compensation of \$2,901,000, rent of \$814,000, investor relations of \$271,000, insurance expense of \$194,000, depreciation and amortization of \$75,000, travel of \$28,000, and other expenses of \$364,000.

Research and Development

Research and development expenses totaled \$11,288,000 and \$7,517,000 for the three months ended September 30, 2021 and 2020, respectively. This increase of \$3,771,000 during the three months ended September 30, 2021 compared to the three months ended September 30, 2020 was due primarily to the increase in laboratory and drug substance manufacturing costs and clinical expenses, offset by a decrease in stock-based compensation expense. We expect our research and development expenses to increase as we expand our clinical development activities. However, some of this increase will be offset by reduced expenditures anticipated in programs outside of immune-oncology such as infectious disease (the CUE-200 series) and auto-immune disease (the CUE-300 and CUE-400 series).

Research and development expenses for the three months ended September 30, 2021 included expenses related to research and laboratory expenses of \$3,551,000, employee and Scientific and Clinical Advisory Board compensation of \$2,473,000, stock-based compensation expense of \$2,053,000, clinical expenses of \$1,109,000, rent of \$959,000, depreciation and amortization of \$291,000, insurance expense of \$251,000, other professional fees of \$199,000, licensing fees of \$175,000, travel of \$13,000, and other expenses of \$216,000. Research and development expenses for the three months ended September 30, 2020 included expenses related to employee and Scientific and Clinical Advisory Board compensation of \$1,835,000, research and laboratory expenses of \$1,558,000, stock-based compensation expense of \$1,450,000, clinical expenses of \$1,022,000, rent of \$915,000, depreciation and amortization of \$243,000, insurance expense of \$168,000, other professional fees of \$130,000, licensing fees of \$24,000, travel of \$4,000, and other expenses of \$168,000.

Research and development expenses totaled \$29,846,000 and \$25,542,000 for the nine months ended September 30, 2021 and 2020, respectively. This increase of \$4,304,000 was due primarily to the increase in laboratory and drug substance manufacturing costs and clinical expenses, offset by a decrease in new hires in 2021 and stock compensation expense related to executives. We expect our research and development expenses to continue to increase as we expand our development activities.

Research and development expenses for the nine months ended September 30, 2021 included expenses related to research and laboratory expenses of \$7,805,000, employee and Scientific and Clinical Advisory Board compensation of \$7,354,000, stock-based compensation of \$4,879,000, clinical expenses of \$3,263,000, rent of \$2,867,000, other professional fees of \$1,223,000, depreciation and amortization of \$868,000, insurance expense of \$735,000, licensing fees of \$221,000, travel expenses of \$23,000, and other expenses of \$608,000. Research and development expenses for the nine months ended September 30, 2020 included expenses related to research and laboratory expenses of \$6,449,000, employee and Scientific and Clinical Advisory Board compensation of \$6,012,000, stock-based compensation expense of \$5,139,000, clinical expenses of \$3,054,000, rent of \$2,560,000, depreciation and amortization of \$728,000, insurance expense of \$489,000, other professional fees of \$397,000, licensing fees of \$74,000, travel expenses of \$26,000, and other expenses of \$614,000.

Interest Income, net

Interest income was \$25,000 and \$100,000 for the three months ended September 30, 2021 and 2020, respectively. This decrease of \$75,000 was primarily due to lower interest yields and reduced investment of our cash in cash equivalents in marketable securities during the 2021 period. Interest income was \$42,000 for the nine months ended September 30, 2021, as compared to \$386,000 for the nine months ended September 30, 2020. This decrease of \$344,000 was due to reduced investment of our cash in cash equivalents in marketable securities during the 2021 period, offset by the gain on sale of fixed assets of \$19,000.

Liquidity and Capital Resources

We have financed our working capital requirements primarily through private and public offerings of equity securities and cash received from Merck and LG Chem under the respective collaboration agreements. At September 30, 2021, we had cash and cash equivalents totaling \$67,633,000 available to fund our ongoing business activities. Additional information concerning our financial condition and results of operations is provided in the financial statements included in this Quarterly Report on Form 10-Q.

The amounts that we actually spend for any specific purpose may vary significantly and will depend on a number of factors, including, but not limited to, our research and development activities and programs, clinical testing, regulatory approval, market conditions, and changes in or revisions to our business strategy and technology development plans.

On January 4, 2019, we filed a universal shelf registration statement on Form S-3 with the SEC, or the 2019 Shelf, to register for sale from time to time up to \$150.0 million of our common stock, preferred stock, debt securities, warrants and/or units in one of more offerings (File No. 333-229140). The 2019 Shelf became effective on February 3, 2019.

In March 2020, we entered into an at-the-market, or ATM, equity offering sales agreement, or the March 2020 Sales Agreement, with Stifel Nicolaus & Company, Inc., or Stifel, to sell shares of our common stock for aggregate gross proceeds of up to \$35.0 million, from time to time, through an “at-the-market” equity offering program under which Stifel acts as sales agent. As of September 30, 2021, we sold a total of 1,824,901 shares of common stock under the March 2020 Sales Agreement for proceeds of \$34.3 million, net of commissions paid, but excluding estimated transaction expenses. Due to the issuance and sale of all the shares of common stock subject thereto, the March 2020 Sales Agreement terminated in accordance with its terms.

The shares of common stock sold under the March 2020 Sales Agreement were made pursuant to the 2019 Shelf.

On June 22, 2020, we filed a registration statement on Form S-3ASR, which became automatically effective upon filing with the SEC (File No. 333-239357), or the 2020 Shelf, to register for sale from time to time up to \$300.0 million of our common stock, preferred stock, debt securities, warrants, rights and/or units in one or more offerings.

In June 2020, we entered into an ATM equity offering sales agreement, or the June 2020 Sales Agreement, with Stifel to sell shares of our common stock for aggregate gross proceeds of up to \$40.0 million, from time to time, through an “at-the-market” equity offering program under which Stifel acts as sales agent. The sales agreement will terminate upon the earliest of (a) the sale of \$40.0 million of shares of our common stock pursuant to the June 2020 Sales Agreement or (b) the termination of the June 2020 Sales Agreement by us or Stifel. During the nine months ended September 30, 2021, we sold 907,700 shares of common stock under the June 2020 ATM Agreement for proceeds of \$10.4 million, net of commissions paid, but excluding transaction expenses. As of September 30, 2021, we sold 2,099,700 shares of common stock under the June 2020 Sales Agreement for proceeds of \$32.7 million, net of commissions paid, but excluding estimated transaction expenses. The shares of common stock sold under the June 2020 Sales Agreement are made pursuant to the 2020 Shelf.

In October 2021, we entered into an open market sale agreement with Jefferies LLC, or the October 2021 ATM Agreement, to sell shares of our common stock for aggregate gross proceeds of up to \$80 million, from time to time, through an ATM equity offering program under which Jefferies acts as sales agent. The October 2021 ATM Agreement will terminate upon the earliest of (a) the sale of \$80 million of shares of our common stock pursuant to the October 2021 ATM Agreement or (b) the termination of the October 2021 ATM Agreement by us or Jefferies LLC. The June 2020 ATM Agreement with Stifel was terminated prior to entering into the October 2021 ATM Agreement with Jefferies.

If we issue additional equity securities to raise funds, the ownership percentage of our existing stockholders would be reduced. New investors may demand rights, preferences or privileges senior to those of existing holders of our common stock. If we issue debt securities, we may be required to grant security interests in its assets, could have substantial debt service obligations, and lenders may have a senior position (compared to stockholders) in any potential future bankruptcy or liquidation. Additionally, corporate collaboration and licensing arrangements may require us to incur non-recurring and other charges, give up certain rights relating to our intellectual property and research and development activities, increase our near and long-term expenditures, issue securities that dilute our existing stockholders, issue debt which may require liens on our assets and which will increase our monthly expense obligations, or disrupt our management and business.

Cash Flows

The following table summarizes our changes in cash, cash equivalents, and restricted cash for the nine months ended September 30, 2021 and 2020:

(in thousands)	Nine Months Ended	
	September 30,	
	2021	2020
Net cash provided by (used in):		
Operating activities	\$ (28,192)	\$ (25,495)
Investing activities	9,108	(5,436)
Financing activities	11,851	58,370
Net (decrease)/increase in cash, cash equivalents, and restricted cash	\$ (7,233)	\$ 27,439

Operating Activities

During the nine months ended September 30, 2021 and 2020, we used cash of \$28,192,000 and \$25,495,000, respectively, in operating activities. Cash used in operating activities during the nine months ended September 30, 2021 consisted primarily of our net loss of \$35,777,000, and decreases of \$3,513,000 in operating lease liability, \$3,354,000 in research and development contract liability, \$867,000 in prepaid expenses and other current assets. Cash used in operating activities was partially offset by increases of \$8,541,000 in stock-based compensation, \$3,405,000 in change in operating lease right-of-use asset, \$1,202,000 in accrued expenses, \$948,000 in depreciation and amortization, \$646,000 in accounts receivable, \$400,000 in accounts payable and \$250,000 in other assets.

Cash used in operating activities during the nine months ended September 30, 2020 consisted primarily of our net loss of approximately \$33,682,000, and reflected the following changes in account balances: a decrease of approximately \$443,000 in prepaid expenses, \$945,000 in research and development contract liabilities, other assets of \$250,000, and \$2,539,000 in change in operating lease right-of-use asset, offset by \$804,000 in depreciation and amortization, and \$8,199,000 in stock-based compensation expense, premium/discount on purchased securities of \$77,000, operating lease liability of \$2,406,000, accounts payable of \$225,000, accounts receivable of \$298,000, and accrued expenses of approximately \$355,000.

Investing Activities

During the nine months ended September 30, 2021, our investing activities provided \$9,108,000 in cash, compared to cash used by investing activities of \$5,436,000 during the nine months ended September 30, 2020. This increase of \$14,544,000 in cash from investing activities was primarily due to the redemption of our entire short-term investment in marketable securities. Cash provided by investing activities during the nine months ended September 30, 2021 consisted of \$10,000,000 for the redemption of short-term investments and \$21,000 of cash received on the sale of fixed assets, offset by the purchase of property and equipment of \$913,000. Cash used in investing activities during the nine months ended September 30, 2020 consisted primarily of \$10,000,000 for the purchase of short-term investments, offset by a discount on securities purchased of approximately \$51,000, \$5,000,000 in maturities of short-term investments, and the purchase of property and equipment of approximately \$487,000.

Financing Activities

During the nine months ended September 30, 2021 and 2020, we generated cash from financing activities of \$11,851,000 and \$58,370,000, respectively, a decrease of \$46,519,000. Cash from financing activities during the nine months ended September 30, 2021, consisted of cash proceeds from the common stock sold through the June 2020 Sales Agreement of \$10,357,000, net of underwriting commissions and fees, and exercises of common stock options of \$2,061,000, offset by cash used of \$567,000 to pay taxes related to restricted stock withheld at vesting. Cash from financing activities during the nine months ended September 30, 2020, consisted of cash proceeds from the common stock sold through our ATM equity offering programs with Stifel of approximately \$56,682,000, net of underwriting commissions and fees, the exercise of common stock options of approximately \$1,799,000, and cash used of approximately \$111,000 to pay taxes related to restricted stock withheld at vesting.

Funding Requirements

We expect our expenses to increase in connection with our ongoing activities, particularly as we continue the research and development of our Immuno-STAT platform, continue ongoing and initiate new clinical trials of and seek marketing approval for our product candidates. Our expenses will also increase if, and as, we:

- continue the clinical development of CUE-101;

- leverage our programs to advance our other product candidates into preclinical and clinical development;
- seek regulatory approvals for any product candidates that successfully complete clinical trials;
- seek to discover and develop additional product candidates;
- establish a sales, marketing, medical affairs and distribution infrastructure to commercialize any product candidates for which we may obtain marketing approval and intend to commercialize on our own or jointly;
- hire additional clinical, quality control and scientific personnel;
- expand our manufacturing, operational, financial and management systems;
- increase personnel, including personnel to support our clinical development, manufacturing and commercialization efforts and our operations as a public company;
- maintain, expand and protect our intellectual property portfolio; and
- acquire or in-license other product candidates and technologies.

We believe that our existing cash and cash equivalents as of September 30, 2021 will enable us to fund our operating requirements for at least the next 12 months. We have based this estimate on assumptions that may prove to be wrong, and we could exhaust our available capital resources sooner than we expect.

We will need to raise additional capital or incur indebtedness to continue to fund our operations in the future. Our ability to raise additional funds will depend on financial, economic and market conditions, many of which are outside of our control, and we may be unable to raise financing when needed, or on terms favorable to us. If we are unable to raise additional funds when needed, we may be required to delay, reduce or eliminate our product development or future commercialization efforts, or grant rights to develop and market product candidates that we would otherwise prefer to develop and market ourselves, which could adversely affect our business prospects, and we may be unable to continue our operations. Because of numerous risks and uncertainties associated with the research, development and commercialization of our product candidates, we are unable to estimate the exact amount of our working capital requirements. Factors that may affect our planned future capital requirements and accelerate our need for additional working capital include the following:

- the progress, timing, scope and costs of our clinical trials, including the ability to timely enroll patients in our planned and potential future clinical trials;
- the outcome, timing and cost of regulatory approvals by the FDA and other comparable regulatory authorities, including the potential that the FDA or other comparable regulatory authorities may require that we perform more studies than those that we currently expect;
- the number and characteristics of product candidates that we may in-license and develop;
- our ability to successfully commercialize our product candidates, if approved;
- the amount of sales and other revenues from product candidates that we may commercialize, if any, including the selling prices for such potential products and the availability of adequate third-party reimbursement;
- selling and marketing costs associated with our potential products, including the cost and timing of expanding our marketing and sales capabilities;
- the terms and timing of any potential future collaborations, licensing or other arrangements that we may establish;
- cash requirements of any future acquisitions and/or the development of other product candidates;
- the cost and timing of completion of commercial-scale, outsourced manufacturing activities;
- the time and cost necessary to respond to technological and market developments;
- any disputes which may occur between us and Einstein, employees, collaborators or other prospective business partners; and
- the costs of filing, prosecuting, defending and enforcing any patent claims and other intellectual property rights.

A change in the outcome of any of these or other variables with respect to the development of any of our product candidates could significantly change the costs and timing associated with the development of that product candidate. Further, our operating plans may change in the future, and we may need additional funds to meet operational needs and capital requirements associated with such operating plans.

Until such time, if ever, as we can generate substantial product revenue, we expect to finance our cash needs through a combination of public or private equity offerings, debt financings, collaborations, strategic partnerships or marketing, distribution or licensing arrangements with third parties and grants from organizations and foundations. If we raise additional funds by selling shares of our common stock or other equity-linked securities, the ownership interest of our current stockholders will be diluted. We may seek to access the public or private capital markets whenever conditions are favorable, even if we do not have an immediate need for additional capital at that time. If we raise additional funds through collaborations, strategic alliances or marketing, distribution or licensing arrangements with third parties, we may have to relinquish valuable rights to our technologies, future revenue streams or product candidates or to grant licenses on terms that may not be acceptable to us. If we raise additional funds through debt financing, we may have to grant a security interest on our assets to the future lenders, our debt service costs may be substantial, and the lenders may have a preferential position in connection with any future bankruptcy or liquidation.

If we are unable to raise additional capital when needed, we may be required to curtail the development of our technology or materially curtail or reduce our operations. We could be forced to sell or dispose of our rights or assets. Any inability to raise adequate funds on commercially reasonable terms could have a material adverse effect on our business, results of operation and financial condition, including the possibility that a lack of funds could cause our business to fail, dissolve and liquidate with little or no return to investors.

Contractual Obligations and Commitments

During the three and nine months ended September 30, 2021, there were no material changes to our contractual obligations and commitments as of December 31, 2020 described under Management's Discussion and Analysis of Financial Condition and Results of Operations in our 2020 Annual Report.

Off-balance Sheet Arrangements

At September 30, 2021, we did not have any transactions, obligations or relationships that could be considered off-balance sheet arrangements.

ITEM 3. QUANTITATIVE AND QUALITATIVE DISCLOSURES ABOUT MARKET RISK

As a smaller reporting company, we are not required to provide the information required by this Item 3.

ITEM 4. CONTROLS AND PROCEDURES

Disclosure Controls and Procedures

We are responsible for maintaining disclosure controls and procedures, as defined in Rules 13a-15(e) and 15d-15(e) under the Securities Exchange Act of 1934, or the Exchange Act. Disclosure controls and procedures are controls and other procedures designed to ensure that the information required to be disclosed by us in the reports that we file or submit under the Exchange Act is recorded, processed, summarized, and reported within the time periods specified in the SEC's rules and forms. Disclosure controls and procedures include, without limitation, controls and procedures designed to ensure that information required to be disclosed by us in the reports that we file or submit under the Exchange Act is accumulated and communicated to our management, including our principal executive officer and our principal financial officer, as appropriate to allow timely decisions regarding required disclosure.

Based on our management's evaluation (with the participation of our principal executive officer and our principal financial officer) of our disclosure controls and procedures as required by Rule 13a-15 under the Exchange Act, our principal executive officer and our principal financial officer have concluded that our disclosure controls and procedures were effective as of September 30, 2021, the end of the period covered by this report.

Inherent Limitations on Effectiveness of Controls

Our management, including our principal executive officer and our principal financial officer, do not expect that our disclosure controls or our internal control over financial reporting will prevent or detect all errors and all fraud. A control system, no matter how well designed and operated, can provide only reasonable, not absolute, assurance that the control system's objectives will be met. The design of a control system must reflect the fact that there are resource constraints, and the benefits of controls must be considered relative to their costs. Further, because of the inherent limitations in all control systems, no evaluation of controls can provide absolute assurance that misstatements due to error or fraud will not occur or that all control issues and instances of fraud, if any, have been detected. These inherent limitations include the realities that judgments in decision-making can be faulty and that breakdowns can occur because of a simple error or mistake. Controls can also be circumvented by the individual acts of some persons, by collusion of two or more people, or by management override of the controls. The design of any system of controls is based in part on certain assumptions about the likelihood of future events, and there can be no assurance that any design will succeed in achieving its stated goals under all potential future conditions. Projections of any evaluation of control effectiveness to future periods are subject to risks. Over time, controls may become inadequate because of changes in conditions or deterioration in the degree of compliance with policies or procedures.

Changes in Internal Control over Financial Reporting

There were no changes in our internal control over financial reporting during the three months ended September 30, 2021 that have materially affected, or are reasonably likely to materially affect, our internal control over financial reporting.

PART II. OTHER INFORMATION

ITEM 1. LEGAL PROCEEDINGS

We are not currently a party to any material legal proceedings.

ITEM 1A. RISK FACTORS

We operate in a rapidly changing environment that involves a number of risks that could materially affect our business, financial condition or future results, some of which are beyond our control. The occurrence of any of these risks could harm our business, financial condition, results of operations and/or growth prospects or cause our actual results to differ materially from those contained in forward-looking statements we have made in this report and those we may make from time to time. In evaluating us and our business, you should carefully consider the information included in this Quarterly Report on Form 10-Q and in other documents we file with the SEC and the risk factors previously disclosed in “Cautionary Note Regarding Forward-Looking Statements And Industry Data—Risk Factor Summary” and “Part I, Item 1A. Risk Factors” of our 2020 Annual Report.

ITEM 2. UNREGISTERED SALES OF EQUITY SECURITIES AND USE OF PROCEEDS

None.

ITEM 3. DEFAULTS UPON SENIOR SECURITIES

None.

ITEM 4. MINE SAFETY DISCLOSURES

Not applicable.

ITEM 5. OTHER INFORMATION

None.

ITEM 6. EXHIBITS

Exhibit Number	Exhibit Description	Incorporated by Reference				
		Filed Herewith	Form	Exhibit	Filing Date	Registration/File No.
10.1	Open Market Sale AgreementSM, dated October 1, 2021, by and between Cue Biopharma, Inc. and Jefferies LLC	X				
10.2	Third Amendment to License Agreement, dated October 22, 2021, by and between Cue Biopharma, Inc. and MIL 21E, LLC.	X				
31.1	Certification Pursuant to Rule 13a-14(a) or Rule 15d-14(a) of the Securities Exchange Act of 1934	X				
31.2	Certification Pursuant to Rule 13a-14(a) or Rule 15d-14(a) of the Securities Exchange Act of 1934	X				
32.1	Certification Pursuant to 18 U.S.C. Section 1350, as Adopted Pursuant to Section 906 of the Sarbanes-Oxley Act of 2002	X				
101.INS	Inline eXtensible Business Reporting Language (XBRL) Instance Document – the instance document does not appear in the Interactive Data File because its XBRL tags are embedded within the Inline XBRL document.	X				
101.SCH	Inline XBRL Taxonomy Extension Schema Document	X				
101.CAL	Inline XBRL Taxonomy Extension Calculation Linkbase Document	X				
101.DEF	Inline XBRL Taxonomy Extension Definition Linkbase Document	X				
101.LAB	Inline XBRL Taxonomy Extension Label Linkbase Document	X				
101.PRE	Inline XBRL Taxonomy Extension Presentation Linkbase Document	X				
104	The cover page from the Company’s Quarterly Report on Form 10-Q for the quarter ended September 30, 2021, has been formatted in Inline XBRL.	X				

SIGNATURES

Pursuant to the requirements of Section 13 or 15(d) of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned, thereunto duly authorized.

Cue Biopharma, Inc.

Dated: November 9, 2021

By: /s/ Daniel R. Passeri
Daniel R. Passeri
Chief Executive Officer and Director
(Principal Executive Officer)

Dated: November 9, 2021

By: /s/ Kerri-Ann Millar
Kerri-Ann Millar
Chief Financial Officer
(Principal Financial and Accounting Officer)

OPEN MARKET SALE AGREEMENTSM

October 1, 2021

JEFFERIES LLC
520 Madison Avenue
New York, New York 10022

Ladies and Gentlemen:

Cue Biopharma, Inc., a Delaware corporation (the “**Company**”), proposes, subject to the terms and conditions stated herein, to issue and sell from time to time through Jefferies LLC, as sales agent and/or principal (the “**Agent**”), shares of the Company’s common stock, par value \$0.001 per share (the “**Common Shares**”), having an aggregate offering price of up to \$80,000,000 on the terms set forth in this agreement (this “**Agreement**”).

Section 1. DEFINITIONS

(a) Certain Definitions. For purposes of this Agreement, capitalized terms used herein and not otherwise defined shall have the following respective meanings: “**Agency Period**” means the period commencing on the date of this Agreement and expiring on the earliest to occur of (x) the date on which the Agent shall have placed the Maximum Program Amount pursuant to this Agreement and (y) the date this Agreement is terminated pursuant to Section 7.

“**Commission**” means the U.S. Securities and Exchange Commission.

“**Exchange Act**” means the Securities Exchange Act of 1934, as amended, and the rules and regulations of the Commission thereunder.

“**Exchange Act Regulations**” means the rules and regulations of the Commission under the Exchange Act.

“**Floor Price**” means the minimum price set by the Company in the applicable Issuance Notice below which the Agent shall not sell Shares during the applicable period set forth in the applicable Issuance Notice, which may be adjusted by the Company at any time during the period set forth in the Issuance Notice by delivering written notice of such change to the Agent and which in no event shall be less than \$1.00 without the prior written consent of the Agent, which may be withheld in the Agent’s sole discretion.

SM “Open Market Sale Agreement” is a service mark of Jefferies LLC

“**Issuance Amount**” means the aggregate Sales Price of the Shares to be sold by the Agent pursuant to any Issuance Notice.

“**Issuance Notice**” means a written notice delivered to the Agent by the Company in accordance with this Agreement in the form attached hereto as Exhibit A that is executed by its Chief Executive Officer, President or Chief Financial Officer.

“**Issuance Notice Date**” means any Trading Day during the Agency Period that an Issuance Notice is delivered pursuant to Section 3(b)(i).

“**Issuance Price**” means the Sales Price less the Selling Commission.

“**Maximum Program Amount**” means Common Shares with an aggregate Sales Price of the lesser of (a) the number or dollar amount of Common Shares registered under the effective Registration Statement (defined below) pursuant to which the offering is being made, (b) the number of authorized but unissued Common Shares (less Common Shares issuable upon exercise, conversion or exchange of any outstanding securities of the Company or otherwise reserved from the Company’s authorized capital stock), (c) the number or dollar amount of Common Shares permitted to be sold under Form S-3 (including General Instruction I.B.6 thereof, if applicable), or (d) the number or dollar amount of Common Shares for which the Company has filed a Prospectus (defined below).

“**Person**” means an individual or a corporation, partnership, limited liability company, trust, incorporated or unincorporated association, joint venture, joint stock company, governmental authority or other entity of any kind.

“**Principal Market**” means the Nasdaq Capital Market or such other national securities exchange on which the Common Shares, including any Shares, are then listed.

“**Sales Price**” means the actual sale execution price of each Share placed by the Agent pursuant to this Agreement.

“**Securities Act**” means the Securities Act of 1933, as amended, and the rules and regulations of the Commission thereunder.

“**Securities Act Regulations**” means the rules and regulations of the Commission under the Securities Act.

“**Selling Commission**” means three percent (3%) of the gross proceeds of Shares sold pursuant to this Agreement, or as otherwise agreed between the Company and the Agent with respect to any Shares sold pursuant to this Agreement.

“**Settlement Date**” means the second business day following each Trading Day during the period set forth in the applicable Issuance Notice on which Shares are sold pursuant to this Agreement, when the Company shall deliver to the Agent the amount of Shares sold on such Trading Day and the Agent shall deliver to the Company the Issuance Price received on such sales.

“**Shares**” means the Company’s Common Shares issued or issuable pursuant to this Agreement.

“**Trading Day**” means any day on which the Principal Market is open for trading.

Section 2. REPRESENTATIONS AND WARRANTIES OF THE COMPANY

The Company represents and warrants to, and agrees with, the Agent that as of (1) the date of this Agreement, (2) each Issuance Notice Date, (3) each Settlement Date, (4) each Triggering Event Date (as defined below) with respect to which the Company is required to deliver a certificate pursuant to Section 4(o) and (5) as of each Time of Sale (as defined below) (each of the times referenced above is referred to herein as a “**Representation Date**”), except as may be disclosed in the Prospectus (including any documents incorporated by reference therein and any supplements thereto) on or before a Representation Date, and unless such representation, warranty or agreement specifies a different time:

(a) Registration Statement. The Company has prepared and filed with the Commission a shelf registration statement on Form S-3 (File No. 333-239357) that contains a base prospectus. Such registration statement registers the issuance and sale by the Company of the Shares under the Securities Act. The Company may file one or more additional registration statements from time to time that will contain a base prospectus and related prospectus or prospectus supplement, if applicable, with respect to the Shares, including pursuant to Rule 462(b) under the Securities Act (any such registration statement filed pursuant to Rule 462(b), a “**Rule 462(b) Registration Statement**”). Except where the context otherwise requires, such registration statement(s), including any information deemed to be a part thereof pursuant to Rule 430B under the Securities Act, including all financial statements, exhibits and schedules thereto and all documents incorporated or deemed to be incorporated therein by reference pursuant to Item 12 of Form S-3 under the Securities Act as from time to time amended or supplemented, is herein referred to as the “**Registration Statement**,” and the prospectus constituting a part of such registration statement(s), together with any prospectus supplement filed with the Commission pursuant to Rule 424(b) under the Securities Act relating to a particular issuance of the Shares, including all documents incorporated or deemed to be incorporated therein by reference pursuant to Item 12 of Form S-3 under the Securities Act, in each case, as from time to time amended or supplemented, is referred to herein as the “**Prospectus**,” except that if any revised prospectus is provided to the Agent by the Company for use in connection with the offering of the Shares that is not required to be filed by the Company pursuant to Rule 424(b) under the Securities Act, the term “**Prospectus**” shall refer to such revised prospectus from and after the time it is first provided to the Agent for such use. The Registration Statement at the time it originally became effective is herein called the “**Original Registration Statement**.” As used in this Agreement, the terms “amendment” or “supplement” when applied to the Registration Statement or the Prospectus shall be deemed to include the filing by the Company with the Commission of any document under the Exchange Act after the date hereof that is or is deemed to be incorporated therein by reference.

All references in this Agreement to financial statements and schedules and other information which is “contained,” “included” or “stated” in the Registration Statement or the Prospectus (and all other references of like import) shall be deemed to mean and include all such financial statements and schedules and other information which is or is deemed to be incorporated by reference in or

otherwise deemed under the Securities Act to be a part of or included in the Registration Statement or the Prospectus, as the case may be, as of any specified date; and all references in this Agreement to amendments or supplements to the Registration Statement or the Prospectus shall be deemed to mean and include, without limitation, the filing of any document under the Exchange Act which is or is deemed to be incorporated by reference in or otherwise deemed under the Securities Act to be a part of or included in the Registration Statement or the Prospectus, as the case may be, as of any specified date. The Company’s obligations under this Agreement to furnish, provide, deliver or make available (and all other similar references) copies of any report or statement shall be deemed satisfied if the same is filed with the Commission through its Electronic Data Gathering, Analysis and Retrieval system (“**EDGAR**”).

At the time the Registration Statement and each post-effective amendment thereto was declared or automatically became effective and at the time the Company’s most recent annual report on Form 10-K was filed with the Commission, if later, the Company met the then-applicable requirements for use of Form S-3 under the Securities Act. During the Agency Period, each time the Company files an annual report on Form 10-K with the Commission, the Company will meet the then-applicable requirements for use of Form S-3 under the Securities Act.

(b) Compliance with Registration Requirements. The Original Registration Statement on Form S-3ASR became automatically effective upon the filing thereof. Each post-effective amendment to the Original Registration Statement and any Rule 462(b) Registration Statement has been declared effective by the Commission under the Securities Act. The Company has complied to the Commission’s satisfaction with all requests of the Commission for additional or supplemental information with respect to the Registration Statement and any Rule 462(b) Registration Statement. No stop order suspending the effectiveness of the Registration Statement or any Rule 462(b) Registration Statement is in effect and no proceedings for such purpose have been instituted or are pending or, to the knowledge of the Company, are contemplated or threatened by the Commission.

The Prospectus when filed complied or will comply in all material respects with the Securities Act and, if filed with the Commission through EDGAR (except as may be permitted by Regulation S-T under the Securities Act), was identical to the copy thereof delivered to the Agent for use in connection with the issuance and sale of the Shares. Each of the Registration Statement, any Rule 462(b) Registration Statement and any post-effective amendment thereto, at the time it became or becomes effective and at each Representation Date, complied and will comply in all material respects with the Securities Act and did not and will not contain any untrue statement of a material fact or omit to state a material fact required to be stated therein or necessary to make the statements therein not misleading. As of the date of this Agreement, the Prospectus and any Free Writing Prospectus (as defined below) considered together (collectively, the “**Time of Sale**”

Information”) did not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements therein, in the light of the circumstances under which they were made, not misleading. The Prospectus, as amended or supplemented, as of its date and at each Representation Date, did not and will not contain any untrue statement of a material fact or omit to state a material fact necessary in order to make the statements therein, in the light of the circumstances under which they were made, not misleading. The representations and warranties set forth in the three immediately preceding sentences do not apply to statements in or omissions from the Registration Statement, any Rule 462(b) Registration Statement, or any post-effective amendment thereto, or the Prospectus, or any amendments or supplements thereto, made in reliance upon and in conformity with information relating to the Agent furnished to the Company in writing by the Agent expressly for use therein, it being understood and agreed that the only such information furnished by the Agent to the Company consists of the information described in Section 6 below. There are no contracts or other documents required to be described in the Prospectus or to be filed as exhibits to the Registration Statement which have not been described or filed as required. The Registration Statement and the offer and sale of the Shares as contemplated hereby meet the requirements of Rule 415 under the Securities Act and comply in all material respects with said rule.

(c) Ineligible Issuer Status. At the time of filing the Registration Statement and any post-effective amendment thereto, at the earliest time thereafter that the Company or another offering participant made a *bona fide* offer (within the meaning of Rule 164(h)(2) under the Securities Act) of the Shares and at the date hereof, the Company was not and is not an “ineligible issuer,” as defined in Rule 405, without taking account of any determination by the Commission pursuant to paragraph (2) of the definition of such term in Rule 405.

(d) Issuer Free Writing Prospectuses. Any Free Writing Prospectus that the Company is required to file pursuant to Rule 433(d) under the Securities Act has been, or will be, filed with the Commission in accordance with the requirements of the Securities Act. Each Free Writing Prospectus that the Company has filed, or is required to file, pursuant to Rule 433(d) under the Securities Act or that was prepared by or on behalf of or used or referred to by the Company complies or will comply in all material respects with the requirements of Rule 433 under the Securities Act including timely filing with the Commission or retention where required and legending. Except for the Free Writing Prospectuses, if any, and electronic road shows, if any, furnished to the Agent before first use, the Company has not prepared, used or referred to, and will not, without the Agent’s prior consent, prepare, use or refer to, any Free Writing Prospectus. No Free Writing Prospectus conflicts or will conflict with the information contained in the Registration Statement or the Prospectus, including any document incorporated by reference therein, and any preliminary or other prospectus deemed to be a part thereof that has not been superseded or modified.

(e) Independent Accountants. The accountants who certified the financial statements and supporting schedules included or incorporated by reference in the Registration Statement and the Prospectus are independent public accountants as required by the Securities Act, the Securities Act Regulations, the Exchange Act, the Exchange Act Regulations and the Public Accounting Oversight Board.

(f) Financial Statements; Non-GAAP Financial Measures. The financial statements included or incorporated by reference in the Registration Statement and the Prospectus, together with the related schedules and notes, present fairly, in all material respects, the financial position of the Company at the dates indicated and the statement of operations, stockholders' equity and cash flows of the Company for the periods specified; said financial statements have been prepared in conformity with U.S. generally accepted accounting principles ("**GAAP**") applied on a consistent basis throughout the periods involved except as may be set forth in the notes included or incorporated by reference and except that unaudited financial statements may not contain footnotes required by GAAP. The supporting schedules, if any, included in the Registration Statement present fairly, in all material respects, in accordance with GAAP the information required to be stated therein. The interactive data in eXtensible Business Reporting Language incorporated by reference in the Registration Statement and the Prospectus fairly presents the information called for in all material respects and has been prepared in accordance with the Commission's rules and guidelines applicable thereto. To the Company's knowledge, no person who has been suspended or barred from being associated with a registered public accounting firm, or who has failed to comply with any sanction pursuant to Rule 5300 promulgated by the Public Company Accounting Oversight Board, has participated in or otherwise aided the preparation of, or audited, the financial statements, supporting schedules or other financial data filed with the Commission as a part of the Registration Statement and the Prospectus.

(g) Incorporated Documents. The documents incorporated or deemed to be incorporated by reference in the Registration Statement and the Prospectus, at the time they were filed with the Commission, complied in all material respects with the requirements of the Exchange Act, as applicable, and, when read together with the other information in the Prospectus, do not contain an untrue statement of a material fact or omit to state a material fact required to be stated therein or necessary to make the statements therein, in light of the circumstances under which they were made, not misleading.

(h) Exchange Act Compliance. The documents incorporated or deemed to be incorporated by reference in the Prospectus, at the time they were or hereafter are filed with the Commission, and any Free Writing Prospectus or amendment or supplement thereto complied and will comply in all material respects with the requirements of the Exchange Act, and, when read together with the other information in the Prospectus, at the time the Registration Statement and any amendments thereto become effective and at each Time of Sale, as the case may be, will not contain an untrue statement of a material fact or omit to state a material fact required to be stated therein or necessary to make the fact required to be stated therein or necessary to make the statements therein, in the light of the circumstances under which they were made, not misleading.

(i) Statistical and Market-Related Data. Any statistical and market-related data included in the Registration Statement or the Prospectus are based on or derived from sources that the Company believes to be reliable and accurate and accurately reflect the materials upon which such data is based or from which it was derived.

(j) No Material Adverse Change in Business. Except as otherwise stated therein, since the respective dates as of which information is given in the Registration Statement or the

Prospectus, (A) there has been no material adverse change in the condition, financial or otherwise, or in the business affairs or business prospects of the Company considered as one enterprise, whether or not arising in the ordinary course of business (a “**Material Adverse Effect**”), (B) there have been no transactions entered into by the Company, other than those in the ordinary course of business, which are material with respect to the Company considered as one enterprise, and (C) there has been no dividend or distribution of any kind declared, paid or made by the Company on any class of its capital stock.

(k) Good Standing of the Company. The Company has been duly organized and is validly existing as a corporation in good standing under the laws of the State of Delaware and has

corporate power and authority to own, lease and operate its properties and to conduct its business as described in the Registration Statement and the Prospectus and to enter into and perform its obligations under this Agreement; and the Company is duly qualified as a foreign corporation to transact business and is in good standing in each other jurisdiction in which such qualification is required, whether by reason of the ownership or leasing of property or the conduct of business, except where the failure so to qualify or to be in good standing would not result in a Material Adverse Effect.

(l) Subsidiaries. The Company does not own or control, directly or indirectly, any corporation, association or other entity other than Cue Biopharma Securities Corp., its wholly-owned subsidiary.

(m) Capitalization. The authorized, issued and outstanding shares of capital stock of the Company are as set forth in the Registration Statement and the Prospectus as of the dates referred to therein (except for subsequent issuances, if any, pursuant to this Agreement, pursuant to reservations, agreements, employee benefit plans or employee or director stock option, stock purchase or other equity incentive plans referred to in the Registration Statement and the Prospectus or pursuant to the conversion or exercise of warrants, convertible securities or options referred to in the Registration Statement and the Prospectus). The outstanding shares of capital stock of the Company have been duly authorized and validly issued and are fully paid and non-assessable. None of the outstanding shares of capital stock of the Company were issued in violation of the preemptive or other similar rights of any securityholder of the Company. The outstanding options, warrants, preemptive rights, rights of first refusal and other rights to purchase, or equity or debt securities convertible into or exchangeable or exercisable for, any capital stock of the Company or any of its subsidiary are as set forth in the Registration Statement and the Prospectus as of the dates referred to therein. The descriptions of the Company’s stock option, stock bonus and other stock plans or arrangements, and the options or other rights granted thereunder, set forth in the Registration Statement and the Prospectus accurately and fairly present, in all material respects, the information required to be shown with respect to such plans, arrangements, options and rights as of the dates referred to therein.

(n) Accounting Controls and Disclosure Controls. The Company maintains effective internal control over financial reporting (as defined under Rule 13a-15 and 15d-15 under the Exchange Act) and a system of internal accounting controls sufficient to provide reasonable

assurances that (A) transactions are executed in accordance with management's general or specific authorization; (B) transactions are recorded as necessary to permit preparation of financial statements in conformity with GAAP and to maintain accountability for assets; (C) access to assets is permitted only in accordance with management's general or specific authorization; (D) the recorded accountability for assets is compared with the existing assets at reasonable intervals and appropriate action is taken with respect to any differences; and (E) the interactive data in eXtensible Business Reporting Language incorporated by reference in the Registration Statement and the Prospectus fairly presents the information called for in all material respects and is prepared in accordance with the Commission's rules and guidelines applicable thereto. Since the end of the Company's most recent audited fiscal year, the Company's not aware of any (1) material weakness (as defined in Rule 1-02 of Regulation S-X of the Commission) in the Company's internal control over financial reporting (whether or not remediated) and (2) change in the Company's internal control over financial reporting that has materially affected, or is reasonably likely to materially affect, the Company's internal control over financial reporting. The Company maintains an effective system of disclosure controls and procedures (as defined in Rule 13a-15 and Rule 15d-15 under the Exchange Act) that are designed to ensure that information required to be disclosed by the Company in the reports that it files or submits under the Exchange Act and the interactive data in eXtensible Business Reporting Language included as an exhibit to the Registration Statement or incorporated by reference in the Registration Statement are recorded, processed, summarized and reported, within the time periods specified in the Commission's rules and forms, and is accumulated and communicated to the Company's management, including its principal executive officer or officers and principal financial officer or officers, as appropriate, to allow timely decisions regarding disclosure. The Company's independent public accountants and the audit committee of the Company's board of directors have been advised of all material weaknesses, if any, and significant deficiencies (as defined in Rule 1-01 of Regulation S-X of the Commission), if any, in the Company's internal control over financial reporting and of all fraud, if any, whether or not material, involving management or other employees who have a role in the Company's internal controls and financial reports, in each case that occurred or existing, or was first detected, at any time during the Company's two consecutive fiscal years ended with and including the Company's most recent fiscal year for which audited financial statements are included in the Registration Statement and the Prospectus or at any time subsequent thereto.

(o) This Agreement. This Agreement has been duly authorized, executed and delivered by the Company.

(p) Authorization of the Shares. The Shares to be sold by the Company pursuant to this Agreement have been duly authorized for issuance and sale pursuant to this Agreement and, when issued and delivered by the Company pursuant to this Agreement against payment of the consideration described herein, will be validly issued and fully paid and non-assessable; and the issuance of the Shares is not subject to the preemptive or other similar rights of any securityholder of the Company. The Common Shares conform in all material respects to all statements relating thereto contained in the Registration Statement and the Prospectus and such description conforms in all material respects to the rights set forth in the instruments defining the same. No holder of Shares will be subject to personal liability solely by reason of being such a holder.

(q) Registration Rights. Except as have been waived or complied with, there are no persons with registration rights or other similar rights to have any securities registered for sale pursuant to the Registration Statement or otherwise registered for sale or sold by the Company under the Securities Act pursuant to this Agreement.

(r) Absence of Violations, Defaults and Conflicts. The Company is not (A) in violation of its charter, by-laws or similar organizational document, (B) in default in the performance or observance of any obligation, agreement, covenant or condition contained in any contract, indenture, mortgage, deed of trust, loan or credit agreement, note, lease or other agreement or instrument to which the Company is a party or by which it or any of them may be bound or to which any of the properties or assets of the Company or any subsidiary is subject (collectively, “**Agreements and Instruments**”), except for such violations or defaults that would not, singly or in the aggregate, result in a Material Adverse Effect, or (C) in violation of any law, statute, rule, regulation, judgment, order, writ or decree of any arbitrator, court, governmental body, regulatory body, administrative agency or other authority, body or agency having jurisdiction over the Company or any of its respective properties, assets or operations (each, a “**Governmental Entity**”), except for such violations that would not, singly or in the aggregate, result in a Material Adverse Effect. The execution, delivery and performance of this Agreement and the consummation of the transactions contemplated herein and in the Registration Statement (including the issuance and sale of the Shares and the use of the proceeds from the sale of the Shares as described in the Prospectus under the caption “Use of Proceeds”) and compliance by the Company with its obligations hereunder have been duly authorized by all necessary corporate action and do not and will not, whether with or without the giving of notice or passage of time or both, conflict with or constitute a breach of, or default or Repayment Event (as defined below) under, or result in the creation or imposition of any lien, charge or encumbrance upon any properties or assets of the Company or any subsidiary pursuant to, the Agreements and Instruments (except for such conflicts, breaches, defaults or Repayment Events or liens, charges or encumbrances that would not, singly or in the aggregate, result in a Material Adverse Effect), nor will such action result in any violation of (i) the provisions of the charter, by-laws or similar organizational document of the Company or (ii) any law, statute, rule, regulation, judgment, order, writ or decree of any Governmental Entity, except for such violations described in (ii) that would not, singly or in the aggregate, result in a Material Adverse Effect. As used herein, a “**Repayment Event**” means any event or condition which gives the holder of any note, debenture or other evidence of indebtedness (or any person acting on such holder’s behalf) the right to require the repurchase, redemption or repayment of all or a portion of such indebtedness by the Company.

(s) Absence of Labor Dispute. No labor dispute with the employees of the Company exists or, to the knowledge of the Company, is imminent, and the Company is not aware of any existing or imminent labor disturbance by the employees of any of its or any subsidiary’s principal suppliers, manufacturers, customers or contractors, which, in either case, would result in a Material Adverse Effect.

(t) Absence of Proceedings. There is no action, suit, proceeding, inquiry or investigation before or brought by any Governmental Entity now pending or, to the knowledge of the Company, threatened, against or affecting the Company, which could reasonably be expected

to result in a Material Adverse Effect, or which could reasonably be expected to materially and adversely affect their respective properties or assets or the consummation of the transactions contemplated in this Agreement or the performance by the Company of its obligations hereunder; and the aggregate of all pending legal or governmental proceedings to which the Company or any such subsidiary is a party or of which any of their respective properties or assets is the subject which are not described in the Registration Statement and the Prospectus, including ordinary routine litigation incidental to the business, could not reasonably be expected to result in a Material Adverse Effect.

(u) Accuracy of Descriptions and Exhibits. The information included or incorporated by reference in the Registration Statement and the Prospectus under the captions “Risk Factors—Risks Related to Intellectual Property and Other Legal Matters,” “Risk Factors—Risks Related to Government Regulation,” “Business—Our Intellectual Property,” “Business—Government Regulation and Product Approval” and “Description of Common Stock We May Offer” and the information in the Registration Statement under Items 14 and 15, in each case to the extent that it constitutes matters of law, summaries of legal matters, summaries of provisions of the Company’s charter or bylaws or any other instruments or agreements, summaries of legal proceedings, or legal conclusions, is correct in all material respects; all descriptions in the Registration Statement and the Prospectus of any other agreement or instrument to which the Company is a party or organizational document of the Company are accurate in all material respects; and there are no franchises, contracts, indentures, mortgages, deeds of trust, loan or credit agreements, bonds, notes, debentures, evidences of indebtedness, leases or other instruments, agreements or documents required to be described or referred to in the Registration Statement or the Prospectus or to be filed as exhibits to the Registration Statement which have not been so described and filed as required.

(v) Absence of Further Requirements. Except where the absence thereof would not result in a Material Adverse Effect, no filing with, or authorization, approval, consent, license, order, registration, qualification or decree of, any Governmental Entity is necessary or required for the performance by the Company of its obligations hereunder, in connection with the offering, issuance or sale of the Shares hereunder or the consummation of the transactions contemplated by this Agreement, except such as have been already obtained or as may be required under the Securities Act, the Securities Act Regulations, the rules of the Nasdaq Stock Market LLC, state securities laws or the rules of Financial Industry Regulatory Authority, Inc. (“**FINRA**”).

(w) Nasdaq Listing. The Common Shares of the Company are registered pursuant to Section 12(b) of the Exchange Act and are listed on the Nasdaq Capital Market under the ticker symbol “CUE.” The Company has taken no action designed to, or likely to have the effect of, terminating the registration of the Common Shares under the Exchange Act or delisting the Common Shares from the Nasdaq Capital Market nor has the Company received any notice that it is currently not in compliance with the listing or maintenance requirements of the Nasdaq Capital Market. The Company believes that it is, and it will in the foreseeable future continue to be, in material compliance with all such listing and maintenance requirements. A registration statement relating to the Common Shares on Form 8-A or other applicable form under the Exchange Act is effective.

(x) Possession of Licenses and Permits. The Company possesses such permits, licenses, approvals, consents and other authorizations (collectively, “**Governmental Licenses**”) issued by the appropriate Governmental Entities necessary to conduct the business now operated by them, including without limitation the United States Food and Drug Administration (“**FDA**”) or any other federal, state or foreign agencies or bodies engaged in the regulation of pharmaceuticals, animal or human clinical studies or biohazardous substances, except where the failure so to possess would not, singly or in the aggregate, result in a Material Adverse Effect. The Company is in compliance with the terms and conditions of all Governmental Licenses, except where the failure so to comply would not, singly or in the aggregate, result in a Material Adverse Effect. All of the Governmental Licenses are valid and in full force and effect, except when the invalidity of such Governmental Licenses or the failure of such Governmental Licenses to be in full force and effect would not, singly or in the aggregate, result in a Material Adverse Effect. The Company has not received any notice of proceedings relating to the revocation or modification of any Governmental Licenses which, singly or in the aggregate, if the subject of an unfavorable decision, ruling or finding, would reasonably be expected to result in a Material Adverse Effect.

(y) Compliance with Food and Drug Laws. Except as described in the Registration Statement and the Prospectus, the conduct of the preclinical testing and clinical trials and manufacture of the products of the Company is in compliance, in all material respects, with all laws, rules and regulations applicable to such activities, including without limitation applicable good laboratory practices, good clinical practices and good manufacturing practices. The descriptions of the results of such tests and trials contained in the Registration Statement and the Prospectus are accurate in all material respects. The Company has not received a warning letter or clinical hold notice from the FDA or any non-U.S. counterpart of any of the foregoing, or any untitled letter or other correspondence or notice from the FDA or any other governmental authority or agency or any institutional or ethical review board alleging or asserting noncompliance with any law, rule or regulation applicable in any jurisdiction. The Company has not, either voluntarily or involuntarily, initiated, conducted or issued, or caused to be initiated, conducted or issued, any recall, field correction, market withdrawal or replacement, safety alert, warning, “dear doctor” letter, investigator notice, or other notice or action relating to an alleged or potential lack of safety or efficacy of any product or potential product of the Company, any alleged defect of any product of the Company, or any violation of any material applicable law, rule, regulation or any clinical trial or marketing license, approval, permit or authorization for any product of the Company. The Company has not received any written notices, correspondence or other communication from the FDA or other governmental regulatory agency or subdivision thereof, or any institutional or ethical review boards, asserting non-compliance with any applicable statutes, rules, regulations, orders, or other laws, or requiring or requesting the termination, suspension or modification of any preclinical or clinical studies, tests, investigations, or trials conducted by, or on behalf of, the Company or in which the Company has participated.

(z) Title to Property. Except where the failure thereof would not result in a Material Adverse Effect, to the Company’s knowledge, the Company has good and marketable title to any real property owned by them and good title to any other properties owned by them, in each case, free and clear of all mortgages, pledges, liens, security interests, claims, restrictions or encumbrances of any kind except such as do not, singly or in the aggregate, materially affect the

value of such property and do not interfere with the use made and proposed to be made of such property by the Company; and all of the leases and subleases material to the business of the Company, considered as one enterprise, and under which the Company holds properties described in the Registration Statement or the Prospectus, are in full force and effect, and neither the Company nor any such subsidiary has any notice of any material claim of any sort that has been asserted by anyone adverse to the rights of the Company or any subsidiary under any of the leases or subleases mentioned above, or affecting or questioning the rights of the Company or such subsidiary to the continued possession of the leased or subleased premises under any such lease or sublease.

(aa) Possession of Intellectual Property. The Company owns and possesses or have valid and enforceable licenses to use, all patents, patent rights, patent applications, licenses, copyrights, inventions, know how (including trade secrets and other unpatented and/or unpatentable proprietary or confidential information, systems or procedures), trademarks, service marks, trade names, service names, software, internet addresses, domain names and other intellectual property (collectively, “**Intellectual Property**”) that is described in the Registration Statement or the Prospectus or that is necessary for the conduct of their respective businesses as currently conducted, as proposed to be conducted and as described in the Registration Statement and the Prospectus; the Company has not received any notice or is otherwise aware of any infringement of or conflict with rights of others with respect to any Intellectual Property or of any facts or circumstances which would render any Intellectual Property invalid or inadequate to protect the interests of the Company therein; there are no third parties who have or, to the knowledge of the Company, will be able to establish rights to any Intellectual Property of the Company, except for, and to the extent of, the ownership rights of the owners of the Intellectual Property which the Registration Statement and the Prospectus disclose is licensed to the Company; there is no pending or, to the knowledge of the Company, threatened action, suit, proceeding or claim by others challenging the Company’s rights in or to any such Intellectual Property, or challenging the validity, enforceability or scope of any such Intellectual Property, or asserting that the Company infringes or otherwise violates, or would, upon the commercialization of any product or service described in the Registration Statement or the Prospectus, infringe or violate, any Intellectual Property of others, and the Company is unaware of any facts which could form a reasonable basis for any such action, suit, proceeding or claim; the Company have complied with the terms of each agreement pursuant to which any Intellectual Property has been licensed to the Company, all such agreements are in full force and effect, and no event or condition has occurred or exists that gives or, with notice or passage of time or both, would give any person the right to terminate any such agreement; and there is no patent or patent application that contains claims that interfere with the issued or pending claims of any such Intellectual Property of the Company or that challenges the validity, enforceability or scope of any such Intellectual Property.

(bb) Environmental Laws. Except as described in the Registration Statement and the Prospectus and except as would not, individually or in the aggregate, result in a Material Adverse Effect, (A) the Company is not in violation of any federal, state, local or foreign statute, law, rule, regulation, ordinance, code, policy or rule of common law or any judicial or administrative interpretation thereof, including any judicial or administrative order, consent, decree or judgment, relating to pollution or protection of human health, the environment (including, without limitation,

ambient air, surface water, groundwater, land surface or subsurface strata) or wildlife, including, without limitation, laws and regulations relating to the release or threatened release of chemicals, pollutants, contaminants, wastes, toxic substances, hazardous substances, petroleum or petroleum products (collectively, “**Hazardous Materials**”) or to the manufacture, processing, distribution, use, treatment, storage, disposal, transport or handling of Hazardous Materials (collectively, “**Environmental Laws**”), (B) the Company has all permits, authorizations and approvals required under any applicable Environmental Laws and are each in compliance with their requirements, (C) there are no pending or threatened administrative, regulatory or judicial actions, suits, demands, demand letters, claims, Liens, notices of noncompliance or violation, investigation or proceedings relating to any Environmental Law against the Company and (D) there are no events or circumstances that might reasonably be expected to form the basis of an order for clean-up or remediation, or an action, suit or proceeding by any private party or governmental body or agency, against or affecting the Company relating to Hazardous Materials or any Environmental Laws.

(cc) Cybersecurity. (i)(A) There has been no security breach or other compromise of or relating to any of the Company’s information technology and computer systems, networks, hardware, software, data (including the data of their respective customers, employees, suppliers, vendors and any third party data maintained by or on behalf of them), equipment or technology (collectively, “**IT Systems and Data**”) and (B) the Company has not been notified of, and has no knowledge of any event or condition that would reasonably be expected to result in, any security breach or other compromise to their IT Systems and Data, except as would not, in the case of this clause (i), individually or in the aggregate, have a Material Adverse Effect; (ii) the Company is presently in compliance with all applicable laws or statutes and all judgments, orders, rules and regulations of any court or arbitrator or governmental or regulatory authority, internal policies and contractual obligations relating to the privacy and security of IT Systems and Data and to the protection of such IT Systems and Data from unauthorized use, access, misappropriation or modification, except as would not, in the case of this clause (ii), individually or in the aggregate, have a Material Adverse Effect; and (iii) the Company has implemented backup and disaster recovery technology the Company reasonably believes are consistent with industry standards and practices.

(dd) Compliance with the Sarbanes-Oxley Act. There is and has been no failure on the part of the Company or any of the Company’s directors or officers, in their capacities as such, to comply in all material respects with any provision of the Sarbanes-Oxley Act of 2002 and the rules and regulations promulgated in connection therewith, including Section 402 related to loans and Sections 302 and 906 related to certifications.

(ee) Payment of Taxes. The Company has filed all foreign, federal, state and local tax returns that are required to be filed or have obtained extensions thereof, except where the failure so to file would not, individually or in the aggregate, result in a Material Adverse Effect, and have paid all taxes (including, without limitation, any estimated taxes) required to be paid and any other assessment, fine or penalty, to the extent that any of the foregoing is due and payable, except for any such tax, assessment, fine or penalty that is currently being contested in good faith by appropriate actions and except for such taxes, assessments, fines or penalties the nonpayment of which would not, individually or in the aggregate, result in a Material Adverse Effect.

(ff) ERISA Compliance. None of the following events has occurred or exists: (i) a failure to fulfill the obligations, if any, under the minimum funding standards of Section 302 of the Employee Retirement Income Security Act of 1974, as amended, and the regulations and published interpretations thereunder (“**ERISA**”) with respect to a Plan (as defined below) determined without regard to any waiver of such obligations or extension of any amortization period; (ii) an audit or investigation by the Internal Revenue Service, the U.S. Department of Labor, the Pension Benefit Guaranty Corporation or any other federal, state or foreign governmental or regulatory agency with respect to the employment or compensation of employees by the Company that might reasonably be expected, individually or in the aggregate, to result in a Material Adverse Effect; or (iii) any breach of any contractual obligation, or any violation of law or applicable qualification standards, with respect to the employment or compensation of employees by the Company that might reasonably be expected, individually or in the aggregate, to result in a Material Adverse Effect. None of the following events has occurred or is reasonably likely to occur: (i) a material increase in the aggregate amount of contributions required to be made to all Plans in the current fiscal year of the Company compared to the amount of such contributions made in the Company’s most recently completed fiscal year; (ii) a material increase in the “accumulated post-retirement benefit obligations” (within the meaning of Statement of Financial Accounting Standards 106) of the Company compared to the amount of such obligations in the Company’s most recently completed fiscal year; (iii) any event or condition giving rise to a liability under Title IV of ERISA that might reasonably be expected, individually or in the aggregate, to result in a Material Adverse Effect; or (iv) the filing of a claim by one or more employees or former employees of the Company related to its or their employment that might reasonably be expected, individually or in the aggregate, to result in a Material Adverse Effect. For purposes of this paragraph and the definition of ERISA, the term “**Plan**” means a plan (within the meaning of Section 3(3) of ERISA) with respect to which the Company may have any liability.

(gg) Insurance. The Company is insured by insurers of recognized financial responsibility against such losses and risks and in such amounts as are prudent and customary in the businesses in which they are engaged; all policies of insurance and any fidelity or surety bonds insuring the Company its businesses, assets, employees, officers and directors are in full force and effect; the Company is in compliance with the terms of such policies and instruments in all material respects; there are no claims by the Company under any such policy or instrument as to which any insurance company is denying liability or defending under a reservation of rights clause; the Company has not been refused any insurance coverage sought or applied for; and the Company has no reason to believe that it will not be able to renew its existing insurance coverage as and when such coverage expires or to obtain similar coverage from similar insurers at a cost that would not, individually or in the aggregate, result in a Material Adverse Effect.

(hh) Investment Company Act. The Company is not required, and upon the issuance and sale of the Shares as herein contemplated and the application of the net proceeds therefrom as described in the Registration Statement and the Prospectus will not be required, to register as an “investment company” within the meaning of the Investment Company Act of 1940, as amended (the “**1940 Act**”).

(ii) Absence of Manipulation. Neither the Company nor any affiliate of the Company has taken, nor will the Company or any affiliate take, directly or indirectly, any action which is designed, or would reasonably be expected, to cause or result in, or which constitutes, the stabilization or manipulation of the price of any security of the Company to facilitate the sale or resale of the Shares or to result in a violation of Regulation M under the Exchange Act.

(jj) No Unlawful Payments. Neither the Company nor any of its directors, officers, or employees, nor, to the knowledge of the Company, any agent, affiliate or other person associated with or acting on behalf of the Company is aware of or has taken any action, directly or indirectly, that has resulted or would result in (i) the use of any funds for any unlawful contribution, gift, entertainment or other unlawful expense relating to political activity; (ii) the making or taking of an act in furtherance of an offer, promise or authorization of any direct or indirect unlawful payment or benefit to any foreign or domestic government or regulatory official or employee, including of any government-owned or controlled entity or of a public international organization, or any person acting in an official capacity for or on behalf of any of the foregoing, or any political party or party official or candidate for political office; (iii) a violation by any such person of any provision of the Foreign Corrupt Practices Act of 1977, as amended, or any applicable law or regulation implementing the OECD Convention on Combating Bribery of Foreign Public Officials in International Business Transactions, or committed an offence under the Bribery Act 2010 of the United Kingdom, or any other applicable anti-bribery or anti-corruption laws; or (iv) the making, offering, requesting or taking of, or the agreement to take, an act in furtherance of any unlawful bribe or other unlawful benefit, including, without limitation, any rebate, payoff, influence payment, kickback or other unlawful or improper payment or benefit. The Company has instituted, maintain and enforce, and will continue to maintain and enforce policies and procedures designed to promote and ensure compliance with all applicable anti-bribery and anti-corruption laws.

(kk) Compliance with Money Laundering Laws. The operations of the Company are and have been conducted at all times in compliance with applicable financial recordkeeping and reporting requirements, including those of the Currency and Foreign Transactions Reporting Act of 1970, as amended, the applicable money laundering statutes of all applicable jurisdictions, the rules and regulations thereunder and any related or similar rules, regulations or guidelines issued, administered or enforced by any governmental or regulatory agency (collectively, the “**Anti-Money Laundering Laws**”) and no action, suit or proceeding by or before any court or governmental or regulatory agency, authority or body or any arbitrator involving the Company with respect to the Anti-Money Laundering Laws is pending or, to the knowledge of the Company is, threatened.

(ll) No Conflicts with Sanction Laws. Neither the Company nor any of its directors, officers or employees, nor, to the knowledge of the Company, any agent, employee or affiliate or other person associated with or acting on behalf of the Company is currently the subject or the target of any sanctions administered or enforced by the U.S. Government, (including, without limitation, OFAC or the U.S. Department of State and including, without limitation, the designation as a “specially designated national” or “blocked person”), the UNSC, the European Union, Her Majesty’s Treasury (“**HMT**”), or other relevant sanctions authority (collectively,

“Sanctions”), nor is the Company located, organized or resident in a country or territory that is the subject or the target of Sanctions, including, without limitation, Cuba, Burma (Myanmar), Iran, North Korea, Sudan and Syria (each, a “Sanctioned Country”); and the Company will not directly or indirectly use any of the proceeds of the offering, or lend, contribute or otherwise make available such proceeds to any joint venture partner or other person or entity (i) to fund or facilitate any activities of or business with any person that, at the time of such funding or facilitation, is the subject or the target of any Sanctions, (ii) to fund or facilitate any activities of or any business in any Sanctioned Country or (iii) in any other manner that could result in a violation by any person (including any person participating in the transaction, whether as underwriter, advisor, investor or otherwise) of any Sanctions. For the past five years, the Company have not knowingly engaged in, are not now knowingly engaged in, and will not engage in, any dealings or transactions with any person that at the time of the dealing or transaction is or was the subject or the target of any Sanctions or with any Sanctioned Country.

(mm) Lending and Other Relationship. Except as disclosed in the Registration Statement and the Prospectus, (i) the Company does not have any lending or similar relationship with the Agent or any bank or other lending institution affiliated with the Agent; (ii) the Company will not, directly or indirectly, use any of the proceeds from the sale of the Shares by the Company hereunder to reduce or retire the balance of any loan or credit facility extended by the Agent or any of its “affiliates” or “associated persons” (as such terms are used in FINRA Rule 5121) or otherwise direct any such proceeds to the Agent or any of its “affiliates” or “associated persons” (as so defined); and (iii) there are and have been no transactions, arrangements or dealings between the Company, on one hand, and the Agent or any of its “affiliates” or “associated persons” (as so defined), on the other hand, that, under FINRA Rule 5110 or 5121, must be disclosed in a submission to FINRA in connection with the offering of the Shares contemplated hereby or disclosed in the Registration Statement or Prospectus.

(nn) Immunity from Jurisdiction. Neither the Company nor any of its properties or assets has any immunity from the jurisdiction of any court or from any legal process (whether through service or notice, attachment prior to judgment, attachment in aid of execution or otherwise) under the laws of Delaware.

(oo) No Commissions. The Company is not a party to any contract, agreement or understanding with any person (other than as contemplated by this Agreement) that would give rise to a valid claim against the Company or the Agent for a brokerage commission, finder’s fee or like payment in connection with the offering and sale of the Shares.

(pp) Related Party Transactions. There are no business relationships or related party transactions involving the Company or, to the knowledge of the Company, any other person that are required to be described in the Registration Statement or the Prospectus that have not been described as required.

(qq) FINRA Matters. All of the information provided to the Agent or to counsel for the Agent by the Company, and, to the Company’s knowledge, its counsel, its officers and directors and the holders of any securities (debt or equity) or options to acquire any securities of the

Company in connection with the offering of the Shares is true and correct as of the date it is provided to the Agent or to counsel for the Agent and is compliant in all material respects with FINRA's rules in effect at the time it is provided to the Agent or to counsel for the Agent. As of the date hereof, the Company meets the definition of the term "experienced issuer," as defined in FINRA Rule 5110(j)(6).

(rr) Dividend Restrictions. Except as disclosed in the Registration Statement or the Prospectus, no subsidiary of the Company is prohibited or restricted, directly or indirectly, from paying dividends to the Company, or from making any other distribution with respect to such subsidiary's equity securities or from repaying to the Company or any other subsidiary of the Company any amounts that may from time to time become due under any loans or advances to such subsidiary from the Company or from transferring any property or assets to the Company or to any other subsidiary.

(ss) Duties, Transfer Taxes, Etc. No stamp or other issuance or transfer taxes or duties and no capital gains, income, withholding or other taxes are payable by the Agent in the United States or any political subdivision or taxing authority thereof or therein in connection with the execution, delivery or performance of this Agreement by the Company or the sale and delivery by the Company of the Shares.

(tt) Compliance with Data Privacy Laws. The Company and its subsidiary are, and at all prior times were, in material compliance with all applicable state and federal data privacy and security laws and regulations, including without limitation the Health Insurance Portability and Accountability Act of 1996 ("**HIPAA**") as amended by the Health Information Technology for Economic and Clinical Health Act of 2009 ("**HITECH**"), and the Company and its subsidiary have taken commercially reasonable actions to prepare to comply with, and since May 25, 2018, have been and currently are in compliance with, the European Union General Data Protection Regulation ("**GDPR**") (EU 2016/679) (collectively, the "**Privacy Laws**"). To ensure compliance with the Privacy Laws, the Company and its subsidiary have in place, comply with, and take appropriate steps reasonably designed to ensure compliance in all material respects with their policies and procedures relating to data privacy and security and the collection, storage, use, disclosure, handling, and analysis of Personal Data (as defined below) (the "**Policies**"). The Company and its subsidiary have at all times made all disclosures to users or customers required by applicable laws and regulatory rules or requirements, and none of such disclosures made or contained in any Policy have, to the knowledge of the Company, been inaccurate or in violation of any applicable laws and regulatory rules or requirements in any material respect. The Company further certifies that neither it nor any subsidiary: (i) has received notice of any actual or potential liability under or relating to, or actual or potential violation of, any of the Privacy Laws, and has no knowledge of any event or condition that would reasonably be expected to result in any such notice; (ii) is currently conducting or paying for, in whole or in part, any investigation, remediation, or other corrective action pursuant to any Privacy Law; or (iii) is a party to any order, decree, or agreement that imposes any obligation or liability under any Privacy Law. "**Personal Data**" means (i) a natural person's name, street address, telephone number, e-mail address, photograph, social security number or tax identification number, driver's license number, passport number, credit card number, bank information, or customer or account number; (ii) any information which would

qualify as “personally identifying information” under the Federal Trade Commission Act, as amended; (iii) “personal data” as defined by GDPR and (iv) any information which would qualify as “protected health information” under HIPAA, as amended by HITECH.

(uu) Other Underwriting Agreements. The Company is not a party to any agreement with an agent or underwriter for any other “at the market” or continuous equity transaction.

Any certificate signed by any officer or representative of the Company or its subsidiary and delivered to the Agent or counsel for the Agent in connection with an issuance of Shares shall be deemed a representation and warranty by the Company to the Agent as to the matters covered thereby as of the date or dates indicated in such certificate.

The Company acknowledges that the Agent and, for purposes of the opinions to be delivered pursuant to Section 4(p) hereof, counsel to the Company and counsel to the Agent, will rely upon the accuracy and truthfulness of the foregoing representations and hereby consents to such reliance.

Section 3. ISSUANCE AND SALE OF COMMON SHARES

(a) Sale of Securities. On the basis of the representations, warranties and agreements herein contained, but subject to the terms and conditions herein set forth, the Company and the Agent agree that the Company may from time to time seek to sell Shares through the Agent, acting as sales agent, or directly to the Agent, acting as principal, as follows, with an aggregate Sales Price of up to the Maximum Program Amount, based on and in accordance with Issuance Notices as the Company may deliver, during the Agency Period.

(b) Mechanics of Issuances.

(i) Issuance Notice. Upon the terms and subject to the conditions set forth herein, on any Trading Day during the Agency Period on which the conditions set forth in Section 5(a) and Section 5(b) shall have been satisfied, the Company may exercise its right to request an issuance of Shares by delivering to the Agent an Issuance Notice; *provided, however*, that (A) in no event may the Company deliver an Issuance Notice to the extent that the sum of (x) the aggregate Sales Price of the requested Issuance Amount, plus (y) the aggregate Sales Price of all Shares issued under all previous Issuance Notices effected pursuant to this Agreement, would exceed the Maximum Program Amount; and (B) prior to delivery of any Issuance Notice, the period set forth for any previous Issuance Notice shall have expired or been terminated. An Issuance Notice shall be considered delivered on the Trading Day that it is received by e-mail by the notice parties for the Agent set forth in Schedule A hereto and confirmed by the Company by telephone to the notice parties for the Agent set forth in Schedule A hereto (including a voicemail message to the notice parties for the Agent so identified), with the understanding that, with adequate prior written notice, the Agent may modify the list of such persons from time to time.

(ii) Agent Efforts. Upon the terms and subject to the conditions set forth in this Agreement, upon the receipt of an Issuance Notice, the Agent will use its commercially reasonable efforts consistent with its normal sales and trading practices to place the Shares with respect to

which the Agent has agreed to act as sales agent, subject to, and in accordance with the information specified in, the Issuance Notice, unless the sale of the Shares described therein has been suspended, cancelled or otherwise terminated in accordance with the terms of this Agreement. For the avoidance of doubt, the parties to this Agreement may modify an Issuance Notice at any time provided they both agree in writing to any such modification.

(iii) Method of Offer and Sale. The Shares may be offered and sold (A) in privately negotiated transactions with the consent of the Company; (B) as block transactions; or (C) by any other method permitted by law deemed to be an “at the market offering” as defined in Rule 415(a)(4) under the Securities Act, including sales made directly on the Principal Market or sales made into any other existing trading market of the Common Shares. Nothing in this Agreement shall be deemed to require either party to agree to the method of offer and sale specified in the preceding sentence (except as specified in clause (A) of the preceding sentence), and (except as specified in clauses (A) and (B) of the preceding sentence) the method of placement of any Shares by the Agent shall be at the Agent’s discretion.

(iv) Confirmation to the Company. If acting as sales agent hereunder, the Agent will provide written confirmation to the Company no later than the opening of the Trading Day next following the Trading Day on which it has placed Shares hereunder setting forth the number of Shares sold on such Trading Day, the corresponding Sales Price and the Issuance Price payable to the Company in respect thereof.

(v) Settlement. Each issuance of Shares will be settled on the applicable Settlement Date for such issuance of Shares and, subject to the provisions of Section 5, on or before each Settlement Date, the Company will, or will cause its transfer agent to, electronically transfer the Shares being sold by crediting the Agent or its designee’s account at The Depository Trust Company through its Deposit/Withdrawal At Custodian (DWAC) System, or by such other means of delivery as may be mutually agreed upon by the parties hereto and, upon receipt of such Shares, which in all cases shall be freely tradable, transferable, registered shares in good deliverable form, the Agent will deliver, by wire transfer of immediately available funds, the related aggregate Issuance Price in same day funds delivered to an account designated by the Company prior to the Settlement Date. The Company may sell Shares to the Agent as principal at a price agreed upon at each relevant time Shares are sold pursuant to this Agreement (each, a “**Time of Sale**”).

(vi) Suspension or Termination of Sales. Consistent with standard market settlement practices, the Company or the Agent may, upon notice to the other party hereto in writing or by telephone (confirmed immediately by verifiable email), suspend any sale of Shares, and the period set forth in an Issuance Notice shall immediately terminate; *provided, however*, that (A) such suspension and termination shall not affect or impair either party’s obligations with respect to any Shares placed or sold hereunder prior to the receipt of such notice; (B) if the Company suspends or terminates any sale of Shares after the Agent confirms such sale to the Company, the Company shall still be obligated to comply with Section 3(b)(v) with respect to such Shares; and (C) if the Company defaults in its obligation to deliver Shares on a Settlement Date, the Company agrees that it will hold the Agent harmless against any loss, claim, damage or expense (including, without limitation, penalties, interest and reasonable legal fees and expenses), as incurred, arising out of or

in connection with such default by the Company. The parties hereto acknowledge and agree that, in performing its obligations under this Agreement, the Agent may borrow Common Shares from stock lenders in the event that the Company has not delivered Shares to settle sales as required by subsection (v) above, and may use the Shares to settle or close out such borrowings. The Company agrees that no such notice shall be effective against the Agent unless it is made to the notice parties set forth in Schedule A attached hereto or identified in writing by the Agent pursuant to Section 3(b)(i).

(vii) No Guarantee of Placement, Etc. The Company acknowledges and agrees that (A) there can be no assurance that the Agent will be successful in placing Shares; (B) the Agent will incur no liability or obligation to the Company or any other Person if it does not sell Shares; and (C) the Agent shall be under no obligation to purchase Shares on a principal basis pursuant to this Agreement, except as otherwise specifically agreed by the Agent and the Company.

(viii) Material Non-Public Information. Notwithstanding any other provision of this Agreement, the Company and the Agent agree that the Company shall not deliver any Issuance Notice to the Agent, and the Agent shall not be obligated to place any Shares, during any period in which the Company is in possession of material non-public information.

(c) Fees. As compensation for services rendered, the Company shall pay to the Agent, on the applicable Settlement Date, the Selling Commission for the applicable Issuance Amount (including with respect to any suspended or terminated sale pursuant to Section 3(b)(vi)) by the Agent deducting the Selling Commission from the applicable Issuance Amount. For the avoidance of doubt, the Company shall not be required to pay to the Agent any Selling Commission with respect to any Issuance Notice, except to the extent Shares are placed pursuant thereto.

(d) Expenses. The Company agrees to pay all costs, fees and expenses incurred in connection with the performance of its obligations hereunder and in connection with the transactions contemplated hereby, including without limitation (i) all expenses incident to the issuance and delivery of the Shares (including all printing and engraving costs); (ii) all fees and expenses of the registrar and transfer agent of the Shares; (iii) all necessary issue, transfer and other stamp taxes in connection with the issuance and sale of the Shares; (iv) all fees and expenses of the Company's counsel, independent public or certified public accountants and other advisors; (v) all costs and expenses incurred in connection with the preparation, printing, filing, shipping and distribution of the Registration Statement (including financial statements, exhibits, schedules, consents and certificates of experts), the Prospectus, any Free Writing Prospectus prepared by or on behalf of, used by, or referred to by the Company, and all amendments and supplements thereto, and this Agreement; (vi) all filing fees, attorneys' fees and expenses incurred by the Company or the Agent in connection with qualifying or registering (or obtaining exemptions from the qualification or registration of) all or any part of the Shares for offer and sale under the state securities or blue sky laws or the provincial securities laws of Canada, and, if requested by the Agent, preparing and printing a "**Blue Sky Survey**" or memorandum and a "Canadian wrapper,"

and any supplements thereto, advising the Agent of such qualifications, registrations, determinations and exemptions; (vii) the reasonable and documented fees and disbursements of the Agent's counsel, including the reasonable and documented fees and expenses of counsel for the Agent in connection with, FINRA review, if any, and approval of the Agent's participation in the offering and distribution of the Shares; (viii) the filing fees incident to FINRA review, if any; (ix) the costs and expenses of the Company relating to investor presentations on any "road show" undertaken in connection with the marketing of the offering of the Shares, including, without limitation, expenses associated with the preparation or dissemination of any electronic road show, expenses associated with the production of road show slides and graphics, fees and expenses of any consultants engaged in connection with the road show presentations with the prior approval of the Company, travel and lodging expenses of the representatives, employees and officers of the Company and of the Agent and any such consultants, and the cost of any aircraft chartered in connection with the road show; and (x) the fees and expenses associated with listing the Shares on the Principal Market. The fees and disbursements of Agent's counsel pursuant to subsections (vi) and (vii) of the preceding sentence shall not exceed (A) \$50,000 in connection with the execution of this Agreement and (B) \$15,000 in connection with each Triggering Event Date (as defined below) on which the Company is required to provide a certificate pursuant to Section 4(o).

Section 4. ADDITIONAL COVENANTS

The Company covenants and agrees with the Agent as follows, in addition to any other covenants and agreements made elsewhere in this Agreement:

(a) Exchange Act Compliance. During the Agency Period, the Company shall (i) file, on a timely basis, with the Commission all reports and documents required to be filed under Section 13, 14 or 15 of the Exchange Act in the manner and within the time periods required by the Exchange Act; and (ii) either (A) include in its quarterly reports on Form 10-Q and its annual reports on Form 10-K, a summary detailing, for the relevant reporting period, (1) the number of Shares sold through the Agent pursuant to this Agreement and (2) the net proceeds received by the Company from such sales or (B) prepare a prospectus supplement containing, or include in such other filing permitted by the Securities Act or Exchange Act (each an "**Interim Prospectus Supplement**"), such summary information and, at least once a quarter and subject to this Section 4, file such Interim Prospectus Supplement pursuant to Rule 424(b) under the Securities Act (and within the time periods required by Rule 424(b) and Rule 430B under the Securities Act).

(b) Securities Act Compliance. After the date of this Agreement, the Company shall promptly advise the Agent in writing (i) of the receipt of any comments of, or requests for additional or supplemental information from, the Commission relating to the Registration Statement or Prospectus; (ii) of the time and date of any filing of any post-effective amendment to the Registration Statement, any Rule 462(b) Registration Statement or any amendment or supplement to the Prospectus, or any Free Writing Prospectus; (iii) of the time and date that any post-effective amendment to the Registration Statement or any Rule 462(b) Registration Statement becomes effective; and (iv) of the issuance by the Commission of any stop order suspending the effectiveness of the Registration Statement or any post-effective amendment thereto, any Rule 462(b) Registration Statement or any amendment or supplement to the Prospectus or of any order

preventing or suspending the use of any Free Writing Prospectus or the Prospectus, or of any proceedings to remove, suspend or terminate from listing or quotation the Common Shares from any securities exchange upon which they are listed for trading or included or designated for quotation, or of the threatening or initiation of any proceedings for any of such purposes. If the Commission shall enter any such stop order at any time, the Company will use its commercially reasonable efforts to obtain the lifting of such order as soon as reasonably practicable. Additionally, the Company agrees that it shall comply with the provisions of Rule 424(b) and Rule 433, as applicable, under the Securities Act and will use its commercially reasonable efforts to confirm that any filings made by the Company under such Rule 424(b) or Rule 433 were filed in a timely manner with the Commission.

(c) Amendments and Supplements to the Prospectus and Other Securities Act Matters. If any event shall occur or condition exist as a result of which it is necessary to amend or supplement the Prospectus so that the Prospectus does not include an untrue statement of a material fact or omit to state a material fact necessary in order to make the statements therein, in the light of the circumstances when the Prospectus is delivered to a purchaser, not misleading, or if in the opinion of the Agent or counsel for the Agent it is otherwise necessary to amend or supplement the Prospectus to comply with applicable law, including the Securities Act, the Company agrees (subject to Section 4(d) and 4(f)) to promptly prepare, file with the Commission and furnish at its own expense to the Agent, amendments or supplements to the Prospectus (including by filing a document incorporated by reference therein) so that the statements in the Prospectus as so amended or supplemented will not include an untrue statement of a material fact or omit to state a material fact necessary in order to make the statements therein, in the light of the circumstances when the Prospectus is delivered to a purchaser, not be misleading or so that the Prospectus, as amended or supplemented, will comply with applicable law including the Securities Act. Neither the Agent's consent to, or delivery of, any such amendment or supplement shall constitute a waiver of any of the Company's obligations under Sections 4(d) and 4(f). Notwithstanding the foregoing, the Company shall not be required to file such amendment or supplement if there is no pending Issuance Notice and the Company believes that it is in its best interest not to file such amendment or supplement; however, the Company agrees not to provide an Issuance Notice or otherwise sell under this Agreement until such amendment or supplement is filed.

(d) Agent's Review of Proposed Amendments and Supplements. Prior to amending or supplementing the Registration Statement (including any registration statement filed under Rule 462(b) under the Securities Act, but excluding (i) the filing under the Exchange Act of documents incorporated by reference into the Registration Statement that either (A) do not name the Agent and do not relate to the transactions contemplated by this Agreement or (B) include disclosure naming the Agent and regarding the transactions contemplated by this Agreement that is limited to disclosure of periodic sales pursuant to this Agreement, and (ii) amendments or supplements that do not name the Agent and do not relate to the transactions contemplated by this Agreement) or the Prospectus (excluding any amendment or supplement through incorporation of any report filed under the Exchange Act), the Company shall furnish to the Agent for review, a reasonable amount of time prior to the proposed time of filing or use thereof, a copy of each such proposed amendment or supplement, and the Company shall not file or use any such proposed amendment or supplement without the Agent's prior consent, which shall not be unreasonably withheld,

conditioned or delayed. The Company shall file with the Commission within the applicable period specified in Rule 424(b) under the Securities Act any prospectus required to be filed pursuant to such Rule.

(e) Use of Free Writing Prospectus. Neither the Company nor the Agent has prepared, used, referred to or distributed, or will prepare, use, refer to or distribute, without the other party's prior written consent, any "written communication" that constitutes a "free writing prospectus" as such terms are defined in Rule 405 under the Securities Act with respect to the offering contemplated by this Agreement (any such free writing prospectus being referred to herein as a "**Free Writing Prospectus**").

(f) Free Writing Prospectuses. The Company shall furnish to the Agent for review, a reasonable amount of time prior to the proposed time of filing or use thereof, a copy of each proposed Free Writing Prospectus or any amendment or supplement thereto to be prepared by or on behalf of, used by, or referred to by the Company and the Company shall not file, use or refer to any proposed Free Writing Prospectus or any amendment or supplement thereto without the Agent's consent, which shall not be unreasonably withheld, conditioned or delayed. The Company shall furnish to the Agent, without charge, as many copies of any Free Writing Prospectus prepared by or on behalf of, or used by the Company, as the Agent may reasonably request. If at any time when a prospectus is required by the Securities Act (including, without limitation, pursuant to Rule 173(d)) to be delivered in connection with sales of the Shares (but in any event if at any time through and including the date of this Agreement) there occurred or occurs an event or development as a result of which any Free Writing Prospectus prepared by or on behalf of, used by, or referred to by the Company conflicted or would conflict with the information contained in the Registration Statement or included or would include an untrue statement of a material fact or omitted or would omit to state a material fact necessary in order to make the statements therein, in the light of the circumstances prevailing at that subsequent time, not misleading, the Company shall promptly amend or supplement such Free Writing Prospectus to eliminate or correct such conflict or so that the statements in such Free Writing Prospectus as so amended or supplemented will not include an untrue statement of a material fact or omit to state a material fact necessary in order to make the statements therein, in the light of the circumstances prevailing at such subsequent time, not misleading, as the case may be; *provided, however*, that prior to amending or supplementing any such Free Writing Prospectus, the Company shall furnish to the Agent for review, a reasonable amount of time prior to the proposed time of filing or use thereof, a copy of such proposed amended or supplemented Free Writing Prospectus and the Company shall not file, use or refer to any such amended or supplemented Free Writing Prospectus without the Agent's consent, which shall not be unreasonably withheld, conditioned or delayed.

(g) Filing of Agent Free Writing Prospectuses. The Company shall not take any action that would result in the Agent or the Company being required to file with the Commission pursuant to Rule 433(d) under the Securities Act a Free Writing Prospectus prepared by or on behalf of the Agent that the Agent otherwise would not have been required to file thereunder.

(h) Copies of Registration Statement and Prospectus. After the date of this Agreement through the last time that a prospectus is required by the Securities Act (including,

without limitation, pursuant to Rule 173(d)) to be delivered in connection with sales of the Shares, the Company agrees to furnish the Agent with copies (which may be electronic copies) of the Registration Statement and each amendment thereto, and with copies of the Prospectus and each amendment or supplement thereto in the form in which it is filed with the Commission pursuant to the Securities Act or Rule 424(b) under the Securities Act, both in such quantities as the Agent may reasonably request from time to time; and, if the delivery of a prospectus is required under the Securities Act or under the blue sky or securities laws of any jurisdiction at any time on or prior to the applicable Settlement Date for any period set forth in an Issuance Notice in connection with the offering or sale of the Shares and if at such time any event has occurred as a result of which the Prospectus as then amended or supplemented would include an untrue statement of a material fact or omit to state any material fact necessary in order to make the statements therein, in the light of the circumstances under which they were made when such Prospectus is delivered, not misleading, or, if for any other reason it is necessary during such same period to amend or supplement the Prospectus or to file under the Exchange Act any document incorporated by reference in the Prospectus in order to comply with the Securities Act or the Exchange Act, to notify the Agent and to request that the Agent suspend offers to sell Shares (and, if so notified, the Agent shall cease such offers as soon as practicable); and if the Company decides to amend or supplement the Registration Statement or the Prospectus as then amended or supplemented, to advise the Agent promptly by telephone (with confirmation in writing) and to prepare and cause to be filed promptly with the Commission an amendment or supplement to the Registration Statement or the Prospectus as then amended or supplemented that will correct such statement or omission or effect such compliance (it being acknowledged that the Company may delay the filing of any amendment or supplement, if, in the judgment of the Company, it is in the best interest of the Company); provided, however, that if during such same period the Agent is required to deliver a prospectus in respect of transactions in the Shares, the Company shall promptly prepare and file with the Commission such an amendment or supplement.

(i) Blue Sky Compliance. The Company shall cooperate with the Agent and counsel for the Agent to qualify or register the Shares for sale under (or obtain exemptions from the application of) the state securities or blue sky laws or Canadian provincial securities laws of those jurisdictions designated by the Agent, shall comply with such laws and shall continue such qualifications, registrations and exemptions in effect so long as required for the distribution of the Shares. The Company shall not be required to qualify as a foreign corporation or to take any action that would subject it to general service of process in any such jurisdiction where it is not presently qualified or where it would be subject to taxation as a foreign corporation. The Company will advise the Agent promptly of the suspension of the qualification or registration of (or any such exemption relating to) the Shares for offering, sale or trading in any jurisdiction or any initiation or threat of any proceeding for any such purpose, and in the event of the issuance of any order suspending such qualification, registration or exemption, the Company shall use its commercially reasonable efforts to obtain the withdrawal thereof as soon as reasonably practicable.

(j) Earnings Statement. As soon as reasonably practicable, the Company will make generally available to its security holders and to the Agent an earnings statement (which need not be audited) covering a period of at least twelve months beginning with the first fiscal quarter of

the Company occurring after the date of this Agreement which shall satisfy the provisions of Section 11(a) of the Securities Act and Rule 158 under the Securities Act.

(k) Listing; Reservation of Shares. (i) The Company will use its reasonable best efforts to maintain the listing of the Shares on the Principal Market; and (ii) the Company will reserve and keep available at all times, free of preemptive rights, Shares for the purpose of enabling the Company to satisfy its obligations under this Agreement.

(l) Transfer Agent. The Company shall engage and maintain, at its expense, a registrar and transfer agent for the Shares.

(m) Due Diligence. During the term of this Agreement, the Company will reasonably cooperate with any reasonable due diligence review conducted by the Agent in connection with the transactions contemplated hereby, including, without limitation, providing information and making available documents and senior corporate officers, during normal business hours and at the Company's principal offices or virtually, as the Agent may reasonably request from time to time.

(n) Representations and Warranties. The Company acknowledges that each delivery of an Issuance Notice and each delivery of Shares on a Settlement Date shall be deemed to be (i) an affirmation to the Agent that the representations and warranties of the Company contained in or made pursuant to this Agreement are true and correct as of the date of such Issuance Notice or of such Settlement Date, as the case may be, as though made at and as of each such date, except as may be disclosed in the Prospectus (including any documents incorporated by reference therein and any supplements thereto); and (ii) an undertaking that the Company will advise the Agent if any of such representations and warranties will not be true and correct as of the Settlement Date for the Shares relating to such Issuance Notice, as though made at and as of each such date (except that such representations and warranties shall be deemed to relate to the Registration Statement and the Prospectus as amended and supplemented relating to such Shares).

(o) Deliverables at Triggering Event Dates; Certificates. The Company agrees that on or prior to the date of the first Issuance Notice and, during the term of this Agreement after the date of the first Issuance Notice, upon:

(A) the filing of the Prospectus or the amendment or supplement of any Registration Statement or Prospectus (other than a prospectus supplement relating solely to an offering of securities other than the Shares or a prospectus filed pursuant to Section 4(a)(ii)(B)), by means of a post-effective amendment, sticker or supplement, but not by means of incorporation of documents by reference into the Registration Statement or Prospectus;

(B) the filing with the Commission of an annual report on Form 10-K or a quarterly report on Form 10-Q (including any Form 10-K/A or Form 10-Q/A containing amended financial information or a material amendment to the previously filed annual report on Form 10-K or quarterly report on Form 10-Q), in each case, of the Company; or

(C) the filing with the Commission of a current report on Form 8-K of the Company containing amended financial information (other than information “furnished” pursuant to Item 2.02 or 7.01 of Form 8-K or to provide disclosure pursuant to Item 8.01 of Form 8-K relating to reclassification of certain properties as discontinued operations in accordance with Statement of Financial Accounting Standards No. 144) that is material to the offering of securities of the Company in the Agent’s reasonable discretion;

(any such event, a “**Triggering Event Date**”), the Company shall furnish the Agent (but in the case of clause (C) above only if the Agent reasonably determines that the information contained in such current report on Form 8-K of the Company is material) with a certificate as of the Triggering Event Date, in the form and substance reasonably satisfactory to the Agent and its counsel, substantially similar to the form previously provided to the Agent and its counsel, modified, as necessary, to relate to the Registration Statement and the Prospectus as amended or supplemented, (A) confirming that the representations and warranties of the Company contained in this Agreement are true and correct, (B) confirming that the Company has performed all of its obligations hereunder to be performed on or prior to the date of such certificate and as to the matters set forth in Section 5(a)(iii) hereof, and (C) containing any other certification that the Agent shall reasonably request. The requirement to provide a certificate under this Section 4(o) shall be waived for any Triggering Event Date occurring at a time when no Issuance Notice is pending or a suspension is in effect, which waiver shall continue until the earlier to occur of the date the Company delivers an Issuance Notice with instructions for the sale of Shares hereunder (which for such calendar quarter shall be considered a Triggering Event Date) and the next occurring Triggering Event Date. Notwithstanding the foregoing, if the Company subsequently decides to sell Shares following a Triggering Event Date when a suspension was in effect and did not provide the Agent with a certificate under this Section 4(o), then before the Company delivers an Issuance Notice with instructions for the sale of Shares or the Agent sells any Shares pursuant to such instructions, the Company shall provide the Agent with a certificate in conformity with this Section 4(o) dated as of the date that the instructions for the sale of Shares are issued to the Agent.

(p) Legal Opinions. The Company shall cause to be furnished to the Agent, (A) on or prior to the date of the first Issuance Notice, (i) a negative assurances letter and the written legal opinion of Wilmer Cutler Pickering Hale and Dorr LLP, counsel to the Company (“**Outside Counsel**”), and (ii) the written legal opinion of Bozicevic, Field & Francis LLP, intellectual property counsel to the Company (“**Outside IP Counsel**”), each dated the date of delivery, in form and substance reasonably satisfactory to Agent and its counsel, substantially similar to the form previously provided to the Agent and its counsel, modified, as necessary, to relate to the Registration Statement and the Prospectus as then amended or supplemented and (B) on or prior to each subsequent Triggering Event Date with respect to which the Company is obligated to deliver a certificate pursuant to Section 4(o) for which no waiver is applicable, (i) a negative assurances letter of Outside Counsel and (ii) the written legal opinion of Outside IP Counsel, each dated the date of delivery, in form and substance reasonably satisfactory to Agent and its counsel, substantially similar to the form previously provided to the Agent and its counsel, modified, as necessary, to relate to the Registration Statement and the Prospectus as then amended or supplemented; provided that the Company shall be required to furnish to the Agent no more than one negative assurance letter from Outside Counsel and opinion from Outside IP Counsel per each

filing of an annual report on Form 10-K or a quarterly report on Form 10-Q. In lieu of such opinions or negative assurance letters for subsequent periodic filings, in the discretion of the Agent, the Company may furnish a reliance letter from such counsel to the Agent, permitting the Agent to rely on a previously delivered opinion letter or negative assurance letter, modified as appropriate for any passage of time or Triggering Event Date (except that statements in such prior opinion or negative assurance letter shall be deemed to relate to the Registration Statement and the Prospectus as amended or supplemented as of such Triggering Event Date).

(q) Comfort Letter. On or prior to the date of the first Issuance Notice and on or prior to each Triggering Event Date with respect to which the Company is obligated to deliver a certificate pursuant to Section 4(o) for which no waiver is applicable and excluding the date of this Agreement, the Company shall cause RSM US LLP, the independent registered public accounting firm who has audited the financial statements included or incorporated by reference in the Registration Statement, to furnish the Agent a comfort letter, dated the date of delivery, in form and substance reasonably satisfactory to the Agent and its counsel, substantially similar to the form previously provided to the Agent and its counsel; provided, however, that any such comfort letter will only be required on the Triggering Event Date specified to the extent that it contains financial statements filed with the Commission under the Exchange Act and incorporated or deemed to be incorporated by reference into a Prospectus and provided further that the Company shall be required to furnish to the Agent no more than one comfort letter per each filing of an annual report on Form 10-K or a quarterly report on Form 10-Q. At any time when an Issuance Notice is outstanding, if requested by the Agent, the Company shall also cause a comfort letter to be furnished to the Agent within ten (10) Trading Days of the date of occurrence of any material transaction or event requiring the filing of a current report on Form 8-K containing material amended financial information of the Company, including the restatement of the Company's financial statements. The Company shall be required to furnish no more than one comfort letter hereunder per each filing of an annual report on Form 10-K or a quarterly report on Form 10-Q.

(r) Secretary's Certificate. On or prior to the date of the first Issuance Notice and on or prior to each Triggering Event Date with respect to which the Company is obligated to deliver a certificate pursuant to Section 4(o) for which no waiver is applicable, the Company shall furnish the Agent a certificate executed by the Secretary of the Company, signing in such capacity, dated the date of delivery (i) certifying that attached thereto are true and complete copies of the resolutions duly adopted by the Board of Directors of the Company authorizing the execution and delivery of this Agreement and the consummation of the transactions contemplated hereby (including, without limitation, the issuance of the Shares pursuant to this Agreement), which authorization shall be in full force and effect on and as of the date of such certificate, (ii) certifying and attesting to the office, incumbency, due authority and specimen signatures of each Person who executed this Agreement for or on behalf of the Company, and (iii) containing any other certification that the Agent shall reasonably request.

(s) Agent's Own Account; Clients' Account. The Company consents to the Agent trading, in compliance with applicable law, in the Common Shares for the Agent's own account and for the account of its clients at the same time as sales of the Shares occur pursuant to this Agreement.

(t) Investment Limitation. The Company shall not invest, or otherwise use the proceeds received by the Company from its sale of the Shares in such a manner as would require the Company or its subsidiary to register as an investment company under the Investment Company Act.

(u) Market Activities. The Company will not take, directly or indirectly, any action designed to or that might be reasonably expected to cause or result in stabilization or manipulation of the price of the Shares or any other reference security, whether to facilitate the sale or resale of the Shares or otherwise, and the Company will, and shall use commercially reasonable efforts to cause each of its affiliates to, comply with all applicable provisions of Regulation M. If the limitations of Rule 102 of Regulation M (“**Rule 102**”) do not apply with respect to the Shares or any other reference security pursuant to any exception set forth in Section (d) of Rule 102, then promptly upon notice from the Agent (or, if later, at the time stated in the notice), the Company will, and shall use commercially reasonable efforts to cause each of its affiliates to, comply with Rule 102 as though such exception were not available but the other provisions of Rule 102 (as interpreted by the Commission) did apply. The Company shall promptly notify the Agent if it no longer meets the requirements set forth in Section (d) of Rule 102.

(v) Notice of Other Sale. Without the written consent of the Agent, the Company will not, directly or indirectly, offer to sell, sell, contract to sell, grant any option to sell or otherwise dispose of any Common Shares or securities convertible into or exchangeable for Common Shares (other than Shares hereunder), warrants or any rights to purchase or acquire Common Shares, during the period beginning on the third Trading Day immediately prior to the date on which any Issuance Notice is delivered to the Agent hereunder and ending on the earlier of (A) the third Trading Day immediately following the Settlement Date with respect to Shares sold pursuant to such Issuance Notice and (B) the date such Issuance Notice is cancelled if no Shares have been sold pursuant to such Issuance Notice; and will not directly or indirectly enter into any other “at the market” or continuous equity transaction offer to sell, sell, contract to sell, grant any option to sell or otherwise dispose of any Common Shares (other than the Shares offered pursuant to this Agreement) or securities convertible into or exchangeable for Common Shares, warrants or any rights to purchase or acquire, Common Shares prior to the termination of this Agreement; provided, however, that such restrictions will not be applicable in connection with the Company’s (i) issuance or sale of Common Shares, options to purchase Common Shares or Common Shares issuable upon the exercise of options or other equity awards pursuant to any employee or director share option, incentive or benefit plan, share purchase or ownership plan, long-term incentive plan, dividend reinvestment plan, inducement award under Nasdaq rules or other compensation plan of the Company or its subsidiary that is disclosed in the Registration Statement and Prospectus, (ii) issuance or sale of Common Shares issuable upon exchange, conversion or redemption of securities or the exercise or vesting of warrants, options or other equity awards outstanding at the date of this Agreement, (iii) issuance or sale of Common Shares or securities convertible into or exchangeable for Common Shares as consideration for mergers, acquisitions, other business combinations, joint ventures or strategic alliances occurring after the date of this Agreement which are not used for capital raising purposes, provided that the aggregate number of Common Shares issued or sold under this subsection (iii) shall not exceed 5% of the number of Common Shares

outstanding immediately prior to giving effect to such sale of issuance, and (iv) modification of any outstanding options, warrants or any rights to purchase or acquire Common Shares.

Section 5. CONDITIONS TO DELIVERY OF ISSUANCE NOTICES AND TO SETTLEMENT

(a) Conditions Precedent to the Right of the Company to Deliver an Issuance Notice and the Obligation of the Agent to Sell Shares. The right of the Company to deliver an Issuance Notice hereunder is subject to the satisfaction, on the date of delivery of such Issuance Notice, and the obligation of the Agent to use its commercially reasonable efforts to place Shares during the applicable period set forth in the Issuance Notice is subject to the satisfaction, on each Trading Day during the applicable period set forth in the Issuance Notice, of each of the following conditions:

- (i) Accuracy of the Company's Representations and Warranties; Performance by the Company. The Company shall have delivered the certificate required to be delivered pursuant to Section 4(o) on or before the date on which delivery of such certificate is required pursuant to Section 4(o). The Company shall have performed, satisfied and complied with all covenants, agreements and conditions required by this Agreement to be performed, satisfied or complied with by the Company at or prior to such date, including, but not limited to, the covenants contained in Section 4(p), Section 4(q) and Section 4(r).
- (ii) No Injunction. No statute, rule, regulation, executive order, decree, ruling or injunction shall have been enacted, entered, promulgated or endorsed by any court or governmental authority of competent jurisdiction or any self-regulatory organization having authority over the matters contemplated hereby that prohibits or directly and materially adversely affects any of the transactions contemplated by this Agreement, and no proceeding shall have been commenced that may have the effect of prohibiting or materially adversely affecting any of the transactions contemplated by this Agreement.
- (iii) Material Adverse Effects. Except as disclosed in the Prospectus and the Time of Sale Information, (a) in the judgment of the Agent there shall not have occurred any Material Adverse Effect; and (b) there shall not have occurred any downgrading, nor shall any notice have been given of any intended or potential downgrading or of any review for a possible change that does not indicate the direction of the possible change, in the rating accorded any securities of the Company or its subsidiary by any "nationally recognized statistical rating organization" as such term is defined for purposes of Section 3(a)(62) of the Exchange Act.
- (iv) No Suspension of Trading in or Delisting of Common Shares; Other Events. The trading of the Common Shares (including without limitation the Shares) shall not have been suspended by the Commission, the Principal Market or FINRA and the Common Shares (including without limitation the Shares) shall have been approved

for listing or quotation on and shall not have been delisted from the Nasdaq Stock Market, the New York Stock Exchange or any of their constituent markets. There shall not have occurred (and be continuing in the case of occurrences under clauses (i) and (ii) below) any of the following: (i) trading or quotation in any of the Company's securities shall have been suspended or limited by the Commission or by the Principal Market or trading in securities generally on either the Principal Market shall have been suspended or limited, or minimum or maximum prices shall have been generally established on any of such stock exchanges by the Commission or the FINRA; (ii) a general banking moratorium shall have been declared by any federal or New York authorities; or (iii) there shall have occurred any outbreak or escalation of national or international hostilities or any crisis or calamity, or any change in the United States or international financial markets, or any substantial change or development involving a prospective substantial change in United States' or international political, financial or economic conditions, as in the judgment of the Agent is material and adverse and makes it impracticable to market the Shares in the manner and on the terms described in the Prospectus or to enforce contracts for the sale of securities.

(b) Documents Required to be Delivered on each Issuance Notice Date. The Agent's obligation to use its commercially reasonable efforts to place Shares hereunder shall additionally be conditioned upon the delivery to the Agent on or before the Issuance Notice Date of a certificate in form and substance reasonably satisfactory to the Agent, executed by the Chief Executive Officer, President or Chief Financial Officer of the Company, to the effect that all conditions to the delivery of such Issuance Notice shall have been satisfied as at the date of such certificate (which certificate shall not be required if the foregoing representations shall be set forth in the Issuance Notice).

(c) No Misstatement or Material Omission. Agent shall not have advised the Company that the Registration Statement, the Prospectus or the Time of Sale Information, or any amendment or supplement thereto, contains an untrue statement of fact that in the Agent's reasonable opinion is material, or omits to state a fact that in the Agent's reasonable opinion is material and is required to be stated therein or is necessary to make the statements therein not misleading.

(d) Agent Counsel Legal Opinion. Agent shall have received from Goodwin Procter LLP, counsel for Agent, such opinion or opinions, on or before the date on which the delivery of the Company counsel legal opinion is required pursuant to Section 4(p), with respect to such matters as Agent may reasonably require, and the Company shall have furnished to such counsel such documents as they request for enabling them to pass upon such matters.

Section 6. INDEMNIFICATION AND CONTRIBUTION

(a) Indemnification of the Agent. The Company agrees to indemnify and hold harmless the Agent, its officers and employees, and each person, if any, who controls the Agent within the meaning of the Securities Act or the Exchange Act against any loss, claim, damage, liability or expense, as incurred, to which the Agent or such officer, employee or controlling person

may become subject, under the Securities Act, the Exchange Act, other federal or state statutory law or regulation, or the laws or regulations of foreign jurisdictions where Shares have been offered or sold or at common law or otherwise (including in settlement of any litigation), insofar as such loss, claim, damage, liability or expense (or actions in respect thereof as contemplated below) arises out of or is based upon (i) any untrue statement or alleged untrue statement of a material fact contained in the Registration Statement, or any amendment thereto, including any information deemed to be a part thereof pursuant to Rule 430B under the Securities Act, or the omission or alleged omission therefrom of a material fact required to be stated therein or necessary to make the statements therein not misleading; (ii) any untrue statement or alleged untrue statement of a material fact contained in any Free Writing Prospectus that the Company has used, referred to or filed, or is required to file, pursuant to Rule 433(d) of the Securities Act or the Prospectus (or any amendment or supplement thereto), or the omission or alleged omission therefrom of a material fact necessary in order to make the statements therein, in the light of the circumstances under which they were made, not misleading; or (iii) any act or failure to act or any alleged act or failure to act by the Agent in connection with, or relating in any manner to, the Shares or the offering contemplated hereby, and which is included as part of or referred to in any loss, claim, damage, liability or action arising out of or based upon any matter covered by clause (i) or (ii) above, provided that the Company shall not be liable under this clause (iii) to the extent that a court of competent jurisdiction shall have determined by a final judgment that such loss, claim, damage, liability or action resulted directly from any such acts or failures to act undertaken or omitted to be taken by the Agent through its bad faith or willful misconduct, and to reimburse the Agent and each such officer, employee and controlling person for any and all reasonable and documented expenses (including the reasonable and documented fees and disbursements of counsel chosen by the Agent) as such expenses are reasonably incurred by the Agent or such officer, employee or controlling person in connection with investigating, defending, settling, compromising or paying any such loss, claim, damage, liability, expense or action; provided, however, that the foregoing indemnity agreement shall not apply to any loss, claim, damage, liability or expense to the extent, but only to the extent, arising out of or based upon any untrue statement or alleged untrue statement or omission or alleged omission made in reliance upon and in conformity with written information furnished to the Company by the Agent expressly for use in the Registration Statement, any such Free Writing Prospectus or the Prospectus (or any amendment or supplement thereto), it being understood and agreed that the only such information furnished by the Agent to the Company consists of the information described in subsection (b) below. The indemnity agreement set forth in this Section 6(a) shall be in addition to any liabilities that the Company may otherwise have.

(b) Indemnification of the Company, its Directors and Officers. The Agent agrees to indemnify and hold harmless the Company, each of its directors, each of its officers who signed the Registration Statement and each person, if any, who controls the Company within the meaning of the Securities Act or the Exchange Act against any loss, claim, damage, liability or expense, as incurred, to which the Company or any such director, officer or controlling person may become subject, under the Securities Act, the Exchange Act, or other federal or state statutory law or regulation, or the laws or regulations of foreign jurisdictions where Shares have been offered or sold or at common law or otherwise (including in settlement of any litigation), insofar as such loss, claim, damage, liability or expense (or actions in respect thereof as contemplated below) arises out of or is based upon (i) any untrue statement or alleged untrue statement of a material fact contained

in the Registration Statement, or any amendment thereto, including any information deemed to be a part thereof pursuant to Rule 430B under the Securities Act, or the omission or alleged omission therefrom of a material fact required to be stated therein or necessary to make the statements therein not misleading; or (ii) any untrue statement or alleged untrue statement of a material fact contained in any Free Writing Prospectus that the Company has used, referred to or filed, or is required to file, pursuant to Rule 433(d) of the Securities Act or the Prospectus (or any amendment or supplement thereto), or the omission or alleged omission therefrom of a material fact necessary in order to make the statements therein, in the light of the circumstances under which they were made, not misleading; but, for each of (i) and (ii) above, only to the extent arising out of or based upon any untrue statement or alleged untrue statement or omission or alleged omission made in reliance upon and in conformity with written information furnished to the Company by the Agent expressly for use in the Registration Statement, any such Free Writing Prospectus or the Prospectus (or any amendment or supplement thereto), it being understood and agreed that the only such information furnished by the Agent to the Company consists of the information set forth in the first sentence of the ninth paragraph under the caption "Plan of Distribution" in the Prospectus, and to reimburse the Company and each such director, officer and controlling person for any and all expenses (including the fees and disbursements of one counsel chosen by the Company) as such expenses are reasonably incurred by the Company or such officer, director or controlling person in connection with investigating, defending, settling, compromising or paying any such loss, claim, damage, liability, expense or action. The indemnity agreement set forth in this Section 6(b) shall be in addition to any liabilities that the Agent or the Company may otherwise have.

(c) Notifications and Other Indemnification Procedures. Promptly after receipt by an indemnified party under this Section 6 of notice of the commencement of any action, such indemnified party will, if a claim in respect thereof is to be made against an indemnifying party under this Section 6, notify the indemnifying party in writing of the commencement thereof, but the omission to so notify the indemnifying party will not relieve it from any liability which it may have to any indemnified party for contribution or otherwise than under the indemnity agreement contained in this Section 6 or to the extent it is not prejudiced as a proximate result of such failure. In case any such action is brought against any indemnified party and such indemnified party seeks or intends to seek indemnity from an indemnifying party, the indemnifying party will be entitled to participate in, and, to the extent that it shall elect, jointly with all other indemnifying parties similarly notified, by written notice delivered to the indemnified party promptly after receiving the aforesaid notice from such indemnified party, to assume the defense thereof with counsel reasonably satisfactory to such indemnified party; provided, however, if the defendants in any such action include both the indemnified party and the indemnifying party and the indemnified party shall have reasonably concluded based on the advice of counsel that a conflict may arise between the positions of the indemnifying party and the indemnified party in conducting the defense of any such action or that there may be legal defenses available to it and/or other indemnified parties which are different from or additional to those available to the indemnifying party, the indemnified party or parties shall have the right to select separate counsel to assume such legal defenses and to otherwise participate in the defense of such action on behalf of such indemnified party or parties. Upon receipt of notice from the indemnifying party to such indemnified party of such indemnifying party's election so to assume the defense of such action and approval by the indemnified party of counsel, the indemnifying party will not be liable to such indemnified party

under this Section 6 for any legal or other expenses subsequently incurred by such indemnified party in connection with the defense thereof unless (i) the indemnified party shall have employed separate counsel in accordance with the proviso to the preceding sentence (it being understood, however, that the indemnifying party shall not be liable for the fees and expenses of more than one separate counsel (together with local counsel), representing the indemnified parties who are parties to such action), which counsel (together with any local counsel) for the indemnified parties shall be selected by the indemnified party (in the case of counsel for the indemnified parties referred to in Section 6(a) and Section 6(b) above), (ii) the indemnifying party shall not have employed counsel reasonably satisfactory to the indemnified party to represent the indemnified party within a reasonable time after notice of commencement of the action or (iii) the indemnifying party has authorized in writing the employment of counsel for the indemnified party at the expense of the indemnifying party, in each of which cases the fees and expenses of counsel shall be at the expense of the indemnifying party and shall be paid as they are incurred.

(d) Settlements. The indemnifying party under this Section 6 shall not be liable for any settlement of any proceeding effected without its written consent, but if settled with such consent or if there be a final judgment for the plaintiff, the indemnifying party agrees to indemnify the indemnified party against any loss, claim, damage, liability or expense by reason of such settlement or judgment. Notwithstanding the foregoing sentence, if at any time an indemnified party shall have requested an indemnifying party to reimburse the indemnified party for fees and expenses of counsel as contemplated by Section 6(c) hereof, the indemnifying party agrees that it shall be liable for any settlement of any proceeding effected without its written consent if (i) such settlement is entered into more than 30 days after receipt by such indemnifying party of the aforesaid request; and (ii) such indemnifying party shall not have reimbursed the indemnified party in accordance with such request prior to the date of such settlement. No indemnifying party shall, without the prior written consent of the indemnified party, effect any settlement, compromise or consent to the entry of judgment in any pending or threatened action, suit or proceeding in respect of which any indemnified party is or could have been a party and indemnity was or could have been sought hereunder by such indemnified party, unless such settlement, compromise or consent includes an unconditional release of such indemnified party from all liability on claims that are the subject matter of such action, suit or proceeding.

(e) Contribution. If the indemnification provided for in this Section 6 is for any reason held to be unavailable to or otherwise insufficient to hold harmless an indemnified party in respect of any losses, claims, damages, liabilities or expenses referred to therein, then each indemnifying party shall contribute to the aggregate amount paid or payable by such indemnified party, as incurred, as a result of any losses, claims, damages, liabilities or expenses referred to therein (i) in such proportion as is appropriate to reflect the relative benefits received by the Company, on the one hand, and the Agent, on the other hand, from the offering of the Shares pursuant to this Agreement; or (ii) if the allocation provided by clause (i) above is not permitted by applicable law, in such proportion as is appropriate to reflect not only the relative benefits referred to in clause (i) above but also the relative fault of the Company, on the one hand, and the Agent, on the other hand, in connection with the statements or omissions which resulted in such losses, claims, damages, liabilities or expenses, as well as any other relevant equitable considerations. The relative benefits received by the Company, on the one hand, and the Agent,

on the other hand, in connection with the offering of the Shares pursuant to this Agreement shall be deemed to be in the same respective proportions as the total gross proceeds from the offering of the Shares (before deducting expenses) received by the Company bear to the total Selling Commission received by the Agent. The relative fault of the Company, on the one hand, and the Agent, on the other hand, shall be determined by reference to, among other things, whether any such untrue or alleged untrue statement of a material fact or omission or alleged omission to state a material fact relates to information supplied by the Company, on the one hand, or the Agent, on the other hand, and the parties' relative intent, knowledge, access to information and opportunity to correct or prevent such statement or omission.

The amount paid or payable by a party as a result of the losses, claims, damages, liabilities and expenses referred to above shall be deemed to include, subject to the limitations set forth in Section 6(c), any reasonable and documented legal or other fees or expenses reasonably incurred by such party in connection with investigating or defending any action or claim. The provisions set forth in Section 6(c) with respect to notice of commencement of any action shall apply if a claim for contribution is to be made under this Section 6(e); *provided, however*, that no additional notice shall be required with respect to any action for which notice has been given under Section 6(c) for purposes of indemnification.

The Company and the Agent agree that it would not be just and equitable if contribution pursuant to this Section 6(e) were determined by pro rata allocation or by any other method of allocation which does not take account of the equitable considerations referred to in this Section 6(e).

Notwithstanding the provisions of this Section 6(e), the Agent shall not be required to contribute any amount in excess of the Selling Commission received by the Agent in connection with the offering contemplated hereby. No person guilty of fraudulent misrepresentation (within the meaning of Section 11(f) of the Securities Act) shall be entitled to contribution from any person who was not guilty of such fraudulent misrepresentation. For purposes of this Section 6(e), each officer and employee of the Agent and each person, if any, who controls the Agent within the meaning of the Securities Act or the Exchange Act shall have the same rights to contribution as the Agent, and each director of the Company, each officer of the Company who signed the Registration Statement, and each person, if any, who controls the Company within the meaning of the Securities Act and the Exchange Act shall have the same rights to contribution as the Company.

Section 7. TERMINATION & SURVIVAL

- (a) Term. Subject to the provisions of this Section 7, the term of this Agreement shall continue from the date of this Agreement until the end of the Agency Period, unless earlier terminated by the parties to this Agreement pursuant to this Section 7.
- (b) Termination; Survival Following Termination.
- (i) Either party may terminate this Agreement prior to the end of the Agency Period, by giving written notice as required by this Agreement, upon ten (10) Trading Days' notice to the other party; provided that, (A) if the Company terminates this

Agreement after the Agent confirms to the Company any sale of Shares, the Company shall remain obligated to comply with Section 3(b)(v) with respect to such Shares and (B) Section 2, Section 6, Section 7 and Section 8 shall survive termination of this Agreement. If termination shall occur prior to the Settlement Date for any sale of Shares, such sale shall nevertheless settle in accordance with the terms of this Agreement. Upon termination of this Agreement, the Company shall not have any liability to the Agent for any discount, commission or other compensation with respect to any Shares not otherwise sold by the Agent under this Agreement.

- (ii) In addition to the survival provision of Section 7(b)(i), the respective indemnities, agreements, representations, warranties and other statements of the Company, of its officers and of the Agent set forth in or made pursuant to this Agreement will remain in full force and effect, regardless of any investigation made by or on behalf of the Agent or the Company or any of its or their partners, officers or directors or any controlling person, as the case may be, and, anything herein to the contrary notwithstanding, will survive delivery of and payment for the Shares sold hereunder and any termination of this Agreement.

Section 8. MISCELLANEOUS

(a) Press Releases and Disclosure. The Company may issue a press release describing the material terms of the transactions contemplated hereby as soon as practicable following the date of this Agreement, and may file with the Commission a Current Report on Form 8-K or other report obligated to be filed under the Exchange Act, with this Agreement attached as an exhibit thereto, describing the material terms of the transactions contemplated hereby, and the Company shall consult with the Agent prior to making such disclosures, and the parties hereto shall use all commercially reasonable efforts, acting in good faith, to agree upon a text for such disclosures that is reasonably satisfactory to all parties hereto. No party hereto shall issue thereafter any press release or like public statement (including, without limitation, any disclosure required in reports filed with the Commission pursuant to the Exchange Act) related to this Agreement or any of the transactions contemplated hereby without the prior written approval of the other party hereto, except as may be necessary or appropriate in the reasonable opinion of the party seeking to make disclosure to comply with the requirements of applicable law or stock exchange rules. If any such press release or like public statement is so required, the party making such disclosure shall consult with the other party prior to making such disclosure, and the parties shall use all commercially reasonable efforts, acting in good faith, to agree upon a text for such disclosure that is reasonably satisfactory to all parties hereto.

(b) No Advisory or Fiduciary Relationship. The Company acknowledges and agrees that (i) the transactions contemplated by this Agreement, including the determination of any fees, are arm's-length commercial transactions between the Company and the Agent, (ii) when acting as a principal under this Agreement, the Agent is and has been acting solely as a principal and is not the agent or fiduciary of the Company, or its stockholders, creditors, employees or any other party, (iii) the Agent has not assumed nor will assume an advisory or fiduciary responsibility in

favor of the Company with respect to the transactions contemplated hereby or the process leading thereto (irrespective of whether the Agent has advised or is currently advising the Company on other matters) and the Agent does not have any obligation to the Company with respect to the transactions contemplated hereby except the obligations expressly set forth in this Agreement, (iv) the Agent and its affiliates may be engaged in a broad range of transactions that involve interests that differ from those of the Company, and (v) the Agent has not provided any legal, accounting, regulatory or tax advice with respect to the transactions contemplated hereby and the Company has consulted its own legal, accounting, regulatory and tax advisors to the extent it deemed appropriate.

(c) Research Analyst Independence. The Company acknowledges that the Agent's research analysts and research departments are required to and should be independent from their respective investment banking divisions and are subject to certain regulations and internal policies, and as such the Agent's research analysts may hold views and make statements or investment recommendations and/or publish research reports with respect to the Company or the offering that differ from the views of their respective investment banking divisions. The Company understands that the Agent is a full service securities firm and as such from time to time, subject to applicable securities laws, may effect transactions for its own account or the account of its customers and hold long or short positions in debt or equity securities of the companies that may be the subject of the transactions contemplated by this Agreement.

(d) Notices. All communications hereunder shall be in writing and shall be mailed, hand delivered or telecopied (or, if to the Company, emailed) and confirmed to the parties hereto as follows:

If to the Agent:

Jefferies LLC
520 Madison Avenue
New York, NY 10022
Facsimile: (646) 786-5719
Attention: General Counsel

with a copy (which shall not constitute notice) to:

Goodwin Procter LLP
620 Eighth Avenue
New York, NY 10018
Facsimile: (646) 558-4140
Attention: Thomas Levato

If to the Company:

Cue Biopharma, Inc.
21 Erie Street
Cambridge, Massachusetts 01239
Facsimile:
Attention: Chief Executive Officer
Email: dpasseri@cuebio.com

with a copy (which shall not constitute notice) to:

Wilmer Cutler Pickering Hale and Dorr LLP
60 State Street
Boston, Massachusetts 02109
Facsimile: (617) 526-5000
Attention: Cynthia Mazareas

Any party hereto may change the address for receipt of communications by giving written notice to the others in accordance with this Section 8(d).

(e) Successors. This Agreement will inure to the benefit of and be binding upon the parties hereto, and to the benefit of the employees, officers and directors and controlling persons referred to in Section 6, and in each case their respective successors, and no other person will have any right or obligation hereunder. The term “successors” shall not include any purchaser of the Shares as such from the Agent merely by reason of such purchase.

(f) Partial Unenforceability. The invalidity or unenforceability of any Article, Section, paragraph or provision of this Agreement shall not affect the validity or enforceability of any other Article, Section, paragraph or provision hereof. If any Article, Section, paragraph or provision of this Agreement is for any reason determined to be invalid or unenforceable, there shall be deemed to be made such minor changes (and only such minor changes) as are necessary to make it valid and enforceable.

(g) Governing Law Provisions. This Agreement shall be governed by and construed in accordance with the internal laws of the State of New York applicable to agreements made and to be performed in such state. Any legal suit, action or proceeding arising out of or based upon this Agreement or the transactions contemplated hereby may be instituted in the federal courts of the United States of America located in the Borough of Manhattan in the City of New York or the courts of the State of New York in each case located in the Borough of Manhattan in the City of New York (collectively, the “**Specified Courts**”), and each party irrevocably submits to the exclusive jurisdiction (except for proceedings instituted in regard to the enforcement of a judgment of any such court, as to which such jurisdiction is non-exclusive) of such courts in any such suit, action or proceeding. Service of any process, summons, notice or document by mail to such party’s address set forth above shall be effective service of process for any suit, action or other proceeding brought in any such court. The parties irrevocably and unconditionally waive any

objection to the laying of venue of any suit, action or other proceeding in the Specified Courts and irrevocably and unconditionally waive and agree not to plead or claim in any such court that any such suit, action or other proceeding brought in any such court has been brought in an inconvenient forum.

(h) General Provisions. This Agreement constitutes the entire agreement of the parties to this Agreement and supersedes all prior written or oral and all contemporaneous oral agreements, understandings and negotiations with respect to the subject matter hereof. This Agreement may be executed in two or more counterparts, each one of which shall be an original, with the same effect as if the signatures thereto and hereto were upon the same instrument, and may be delivered by facsimile transmission or by electronic delivery of a portable document format (PDF) file (including any electronic signature covered by the U.S. federal ESIGN Act of 2000, Uniform Electronic Transactions Act, the Electronic Signatures and Records Act or other applicable law, e.g., www.docusign.com). This Agreement may not be amended or modified unless agreed to in writing by all of the parties hereto, and no condition herein (express or implied) may be waived unless waived in writing by each party whom the condition is meant to benefit. The Article and Section headings herein are for the convenience of the parties only and shall not affect the construction or interpretation of this Agreement.

[Signature Page Immediately Follows]

If the foregoing is in accordance with your understanding of our agreement, kindly sign and return to the Company the enclosed copies hereof, whereupon this instrument, along with all counterparts hereof, shall become a binding agreement in accordance with its terms

Very truly yours,

CUE BIOPHARMA, INC.

By: /s/ Daniel Passeri

Name: Dan Passeri

Title: Chief Executive Officer

The foregoing Agreement is hereby confirmed and accepted by the Agent in New York, New York as of the date first above written.

JEFFERIES LLC

By: _____

Name:

Title:

If the foregoing is in accordance with your understanding of our agreement, kindly sign and return to the Company the enclosed copies hereof, whereupon this instrument, along with all counterparts hereof, shall become a binding agreement in accordance with its terms

Very truly yours,

CUE BIOPHARMA, INC.

By: /s/ Daniel Passeri

Name: Dan Passeri

Title: Chief Executive Officer

The foregoing Agreement is hereby confirmed and accepted by the Agent in New York, New York as of the date first above written.

JEFFERIES LLC

By: /s/ Michael Magarro

Name: Michael Magarro

Title: Managing Director

EXHIBIT A
ISSUANCE NOTICE

[Date]

Jefferies LLC
520 Madison Avenue
New York, New York 10022

Attn: [Dustin Tyner]

Reference is made to the Open Market Sale Agreement between Cue Biopharma, Inc. (the “**Company**”) and Jefferies LLC (the “**Agent**”) dated as of October 1, 2021. The Company confirms that all conditions to the delivery of this Issuance Notice are satisfied as of the date hereof.

Date of Delivery of Issuance Notice (determined pursuant to Section 3(b)(i)):

Issuance Amount (equal to the total Sales Price for such Shares):

\$ _____

Number of days in selling period:

First date of selling period:

Last date of selling period:

Settlement Date(s) if other than standard T+2 settlement:

Floor Price Limitation (in no event less than \$1.00 without the prior written consent of the Agent, which consent may be withheld in the Agent’s sole discretion): \$ ____ per share

Comments: _____

By: _____

Name:

Title:

A-1

Schedule A
Notice Parties

The Company

Dan Passeri (dpasseri@cuebio.com)

Kerri-Ann Millar (kmillar@cuebio.com)

The Agent

Dustin Tyner (dtyner@jefferies.com)

Robert D'Annibale (rdannibale@jefferies.com)

Donald Lynaugh (dlynaugh@jefferies.com)

Michael Magarro (mmagarro@jefferies.com)

ACTIVE/112182650.6
ACTIVEUS 190056073v.6

NYI-4197943v7

AMERICAS 91253794 v4

ACTIVE/112182650.6

ACTIVEUS 190056073v.6

Third Amendment to License Agreement

This Third Amendment to License Agreement ("**Third Amendment**") is made as of October 1, 2021, by and between Cue Biopharma, Inc. ("**Licensee**") and MIL 21E, LLC ("**Licensor**").

WHEREAS, Licensor and Licensee are parties to a certain License Agreement dated January 19, 2018, as amended by that certain First Amendment to License Agreement dated June 18, 2018, as amended by that certain Second Amendment to License Agreement dated May 14, 2020 (collectively, "**License Agreement**");

WHEREAS, Licensee warrants and represents that, to the best of its knowledge, Licensor has fulfilled its obligations under the License Agreement and is not in default of any covenants or obligations contained in the License Agreement;

WHEREAS, Licensor and Licensee desire to amend the License Agreement in certain respects as set forth herein; and,

WHEREAS, all capitalized terms contained herein shall, unless otherwise defined in this Third Amendment, have the same meaning as set forth in the License Agreement.

NOW THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the parties agree that the License Agreement is hereby amended as follows:

1. Term; Conditional Early Termination. Section 2(a) of the License Agreement is hereby modified by adding the following new paragraphs to the end of the Section:

The Term of the Agreement shall be extended by twenty-one (21) months ("**Second Extended Term**"), as such the Term shall now expire on March 14, 2024 ("**Term Expiration**" or "**Expiration Date**").

Licensee, upon six (6) months' written notice to Licensor shall have the right to terminate the Agreement ("**Early Termination**"); provided, however, that, (i) Licensee has first executed a new license agreement with Licensor for equivalent or larger space at another Licensor location located in Boston or Cambridge Massachusetts ("**New License**"), and (ii) notice of such Early Termination can be given no sooner than March 1, 2023. Licensor has no obligation to either enter into a New License, or honor any Early Termination notice that does not strictly comply with the requirements of this Section.

2. License Fee; Security Deposit; Initial Payment. Section 3 of the License Agreement is hereby modified by adding the following new paragraphs to the end of the Section:

Effective June 15, 2022, Licensee shall pay Licensor a monthly license fee of \$388,305.09 ("**Second Extended Term License Fee**"). The Second Extended Term License Fee shall be subject to a three-and one-half percent (3.5%) increase effective June 1, 2023. Except as expressly stated otherwise herein, the Second Extended Term License Fee shall be subject to all the same terms and conditions as the License Fee. For clarity, the monthly License Fee for the remainder of the Term is set forth in Schedule A, attached hereto and made part of this Amendment.

As part of the Third Amendment, Licensee shall pay a Security Deposit equal to \$401,895.77 ("**Security Deposit**"). The purpose of the Security Deposit is to guarantee the full, prompt and

faithful performance by Licensee of all of the terms, conditions, covenants, agreements, warranties and provisions of the Agreement to be performed, fulfilled or observed by Licensee hereunder, including but not limited to the payment of the License Fee and other charges. If Licensee breaches any term or condition of the Agreement, said Security Deposit or any part thereof may be used to pay any such payment or perform any obligations of the Licensee, and the Licensee shall immediately replace the amount of the Security Deposit so used. Said Security Deposit may be co-mingled with the Licensor's other funds, need not be kept in a separate account, and Licensor shall not be required to pay interest on same. Licensor shall return the balance of the Security Deposit to Licensee, less any amounts duly owed from Licensee to Licensor, within sixty (60) days after the end of Term, as may be extended from time to time. Licensor, from time to time, may transfer the Security Deposit to any mortgagee or any grantee or grantees to be held by such mortgagee, grantee or grantees as the Security Deposit hereunder on the above terms, and upon such transfer to such mortgagee, grantee or grantees, Licensor thereupon shall be relieved from all further liability to the Licensee with respect to the Security Deposit, and Licensee thereafter shall look only to such mortgagee, grantee or grantees for the return of the Security Deposit.

Licensee shall pay, immediately upon executing this Third Amendment, an amount equal to the License Fee for the last month of the Second Amended Term (\$401,895.77) and the Security Deposit (“**Initial Payment**”). Notwithstanding the forgoing, it is acknowledged that Licensee has already paid \$776,792.00 toward the Initial Payment, and, as such, Licensee shall pay the remaining balance in the amount of \$26,999.54, on or before the execution of the Third Amendment.

3. Broker. Licensee warrants and represents that Licensee has dealt with no broker in connection with the consummation of this Third Amendment, and, in the event of any brokerage claims asserted against Licensor predicated upon prior dealings with Licensee, Licensee agrees to defend the same and indemnify Licensor against any such claim.
 4. Ratification. Except as expressly amended hereby, all terms and conditions of the License Agreement shall remain unchanged and in full force and effect.
 5. Counterparts. This Third Amendment to License Agreement may be executed in any number of counterparts, each of which shall be an original and all of which together shall constitute one and the same document.
-

IN WITNESS WHEREOF, Licensor and Licensee have duly executed this Third Amendment as of the date first written above.

LICENSOR:

By:
Title:

LICENSEE:

Daniel R. Passeri

By: Daniel R. Passeri
Title: CEO

Schedule A

Start	End	Existing Monthly Fee	Extension Monthly Fee
04/01/21	06/14/22	\$ 375,174.25	\$ -
06/15/22	05/31/23	\$ -	\$ 388,305.09
06/01/23	03/14/24	\$ -	\$ 401,895.77

**CERTIFICATION OF THE PRINCIPAL EXECUTIVE OFFICER
PURSUANT TO SECTION 302 OF THE SARBANES-OXLEY ACT OF 2002**

I, Daniel R. Passeri, certify that:

1. I have reviewed this Quarterly Report on Form 10-Q of Cue Biopharma, Inc.;
2. Based on my knowledge, this report does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this report;
3. Based on my knowledge, the financial statements, and other financial information included in this report, fairly present in all material respects the financial condition, results of operations and cash flows of the registrant as of, and for, the periods presented in this report;
4. The registrant's other certifying officer(s) and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Exchange Act Rules 13a-15(e) and 15d-15(e)) and internal control over financial reporting (as defined in Exchange Act Rules 13a-15(f) and 15d-15(f)) for the registrant and have:
 - (a) Designed such disclosure controls and procedures, or caused such disclosure controls and procedures to be designed under our supervision, to ensure that material information relating to the registrant, including its consolidated subsidiaries, is made known to us by others within those entities, particularly during the period in which this report is being prepared;
 - (b) Designed such internal control over financial reporting, or caused such internal control over financial reporting to be designed under our supervision, to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles;
 - (c) Evaluated the effectiveness of the registrant's disclosure controls and procedures and presented in this report our conclusions about the effectiveness of the disclosure controls and procedures, as of the end of the period covered by this report based on such evaluation; and
 - (d) Disclosed in this report any change in the registrant's internal control over financial reporting that occurred during the registrant's most recent fiscal quarter (the registrant's fourth fiscal quarter in the case of an annual report) that has materially affected, or is reasonably likely to materially affect, the registrant's internal control over financial reporting; and
5. The registrant's other certifying officer(s) and I have disclosed, based on our most recent evaluation of internal control over financial reporting, to the registrant's auditors and the audit committee of the registrant's board of directors (or persons performing the equivalent functions):
 - (a) All significant deficiencies and material weaknesses in the design or operation of internal control over financial reporting which are reasonably likely to adversely affect the registrant's ability to record, process, summarize and report financial information; and
 - (b) Any fraud, whether or not material, that involves management or other employees who have a significant role in the registrant's internal control over financial reporting.

Date: November 9, 2021

/s/ Daniel R. Passeri

Name: Daniel R. Passeri

Title: Chief Executive Officer

(Principal Executive Officer)

**CERTIFICATION OF THE PRINCIPAL FINANCIAL OFFICER
PURSUANT TO SECTION 302 OF THE SARBANES-OXLEY ACT OF 2002**

I, Kerri-Ann Millar, certify that:

1. I have reviewed this Quarterly Report on Form 10-Q of Cue Biopharma, Inc.;
2. Based on my knowledge, this report does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this report;
3. Based on my knowledge, the financial statements, and other financial information included in this report, fairly present in all material respects the financial condition, results of operations and cash flows of the registrant as of, and for, the periods presented in this report;
4. The registrant's other certifying officer(s) and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Exchange Act Rules 13a-15(e) and 15d-15(e)) and internal control over financial reporting (as defined in Exchange Act Rules 13a-15(f) and 15d-15(f)) for the registrant and have:
 - (a) Designed such disclosure controls and procedures, or caused such disclosure controls and procedures to be designed under our supervision, to ensure that material information relating to the registrant, including its consolidated subsidiaries, is made known to us by others within those entities, particularly during the period in which this report is being prepared;
 - (b) Designed such internal control over financial reporting, or caused such internal control over financial reporting to be designed under our supervision, to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles;
 - (c) Evaluated the effectiveness of the registrant's disclosure controls and procedures and presented in this report our conclusions about the effectiveness of the disclosure controls and procedures, as of the end of the period covered by this report based on such evaluation; and
 - (d) Disclosed in this report any change in the registrant's internal control over financial reporting that occurred during the registrant's most recent fiscal quarter (the registrant's fourth fiscal quarter in the case of an annual report) that has materially affected, or is reasonably likely to materially affect, the registrant's internal control over financial reporting; and
5. The registrant's other certifying officer(s) and I have disclosed, based on our most recent evaluation of internal control over financial reporting, to the registrant's auditors and the audit committee of the registrant's board of directors (or persons performing the equivalent functions):
 - (a) All significant deficiencies and material weaknesses in the design or operation of internal control over financial reporting which are reasonably likely to adversely affect the registrant's ability to record, process, summarize and report financial information; and
 - (b) Any fraud, whether or not material, that involves management or other employees who have a significant role in the registrant's internal control over financial reporting.

Date: November 9, 2021

/s/ Kerri-Ann Millar

Name: Kerri-Ann Millar

Title: Chief Financial Officer

(Principal Financial Officer and Principal Accounting Officer)

**CERTIFICATION PURSUANT TO
18 U.S.C. SECTION 1350,
AS ADOPTED PURSUANT TO
SECTION 906 OF THE SARBANES-OXLEY ACT OF 2002**

In connection with this Quarterly Report on Form 10-Q of Cue Biopharma, Inc. (the "Company") for the three months ended September 30, 2021 as filed with the Securities and Exchange Commission on the date hereof (the "Report"), we, Daniel R. Passeri, Chief Executive Officer of the Company, and Kerri-Ann Millar, Chief Financial Officer of the Company, certify, pursuant to 18 U.S.C. § 1350, as adopted pursuant to § 906 of the Sarbanes-Oxley Act of 2002, to our knowledge that:

- (1) The Report fully complies with the requirements of section 13(a) or 15(d) of the Securities Exchange Act of 1934; and
- (2) The information contained in the Report fairly presents, in all material respects, the financial condition and results of operations of the Company.

A signed original of this written statement required by Section 906 has been provided to the Company and will be retained by the Company and furnished to the Securities and Exchange Commission or its staff upon request.

/s/ Daniel R. Passeri

Name: Daniel R. Passeri
Title: Chief Executive Officer
(Principal Executive Officer)

Date: November 9, 2021

/s/ Kerri-Ann Millar

Name: Kerri-Ann Millar
Title: Chief Financial Officer
(Principal Financial Officer and Principal Accounting Officer)

Date: November 9, 2021