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

FORM 8-K

CURRENT REPORT
Pursuant to Section 13 or 15(d)
of The Securities Exchange Act of 1934

Date of report (Date of earliest event reported): May 17, 2018

Cue Biopharma, Inc.
(Exact name of registrant as specified in its charter)

Delaware	**001-38327**	**47-3324577**
(State or other jurisdiction of incorporation)	**(Commission File Number)**	**(IRS Employer Identification No.)**
21 Erie Street		**02139**
(Address of principal executive offices)		**(Zip Code)**

(Registrant's telephone number, including area code): (617) 949-2680

(Former name or former address, if changed since last report.)

Check the appropriate box below if the Form 8-K filing is intended to simultaneously satisfy the filing obligation of the registrant under any of the following provisions (see General Instruction A.2. below):

☐ Written communications pursuant to Rule 425 under the Securities Act (17 CFR 230.425)

☐ Soliciting material pursuant to Rule 14a-12 under the Exchange Act (17 CFR 240.14a-12)

☐ Pre-commencement communications pursuant to Rule 14d-2(b) under the Exchange Act (17 CFR 240.14d-2(b))

☐ Pre-commencement communications pursuant to Rule 13e-4(c) under the Exchange Act (17 CFR 240.13e-4(c))

Indicate by check mark whether the registrant is an emerging growth company as defined in Rule 405 of the Securities Act of 1933 (§230.405 of this chapter) or Rule 12b-2 of the Securities Exchange Act of 1934 (§240.12b-2 of this chapter).

Emerging growth company ☒

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. ☐

Item 7.01 **Regulation FD Disclosure.**

Cue Biopharma, Inc.'s Corporate Overview dated May 17, 2018 is being furnished as Exhibit 99 to this Current Report on Form 8-K.

The information in this Current Report on Form 8-K and Exhibit 99 attached hereto is intended to be furnished and shall not be deemed "filed" for purposes of Section 18 of the Securities Exchange Act of 1934 (the "Exchange Act") or otherwise subject to the liabilities of that section, nor shall it be deemed incorporated by reference in any filing under the Securities Act of 1933 or the Exchange Act, except as expressly set forth by specific reference in such filing.

Item 9.01. **Financial Statements and Exhibits.**

Exhibit No.	Exhibit Description
99	Cue Biopharma, Inc. Corporate Overview, dated May 17, 2018, furnished herewith

SIGNATURES

Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned hereunto duly authorized.

Cue Biopharma, Inc.

Date: May 17, 2018

By: /s/ Daniel R. Passeri
Name: Daniel R. Passeri
Title: Chief Executive Officer

Corporate Overview

May 17th, 2018

Immune Responses, On Cue™

Nasdaq: CUE

Forward Looking Statement

This press presentation 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, that are intended to be covered by the “safe harbor” created by those sections. 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 facts included in this press release regarding our strategies, prospects, financial condition, operations, costs, plans and objectives are forward-looking statements. Examples of forward-looking statements include, among others, statements we make regarding anticipated results of our drug development efforts, including study results, our expectations regarding regulatory developments and expected future operating results. 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, among others, our limited operating history, limited cash and a history of losses; our ability to achieve profitability; our ability to secure required U.S. Food and Drug Administration (“FDA”) or other governmental approvals for our product candidates and the breadth of any approved indication; negative or inconclusive results from our clinical studies or serious and unexpected drug-related side effects or other safety issues experienced by participants in our clinical trials; delays and changes in regulatory requirements, policy and guidelines including potential delays in submitting required regulatory applications to the FDA; our reliance on licensors, collaborations and strategic alliances; our ability to obtain adequate financing to fund our business operations in the future; and the other risks and uncertainties described in the Risk Factors and in Management's Discussion and Analysis of Financial Condition and Results of Operations sections of our most recently filed Annual Report on Form 10-K and any subsequently filed Quarterly Report(s) on Form 10-Q. Any forward-looking statement made by us in this press release 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.

CUE BIOPHARMA

Cue Biopharma Investment Highlights

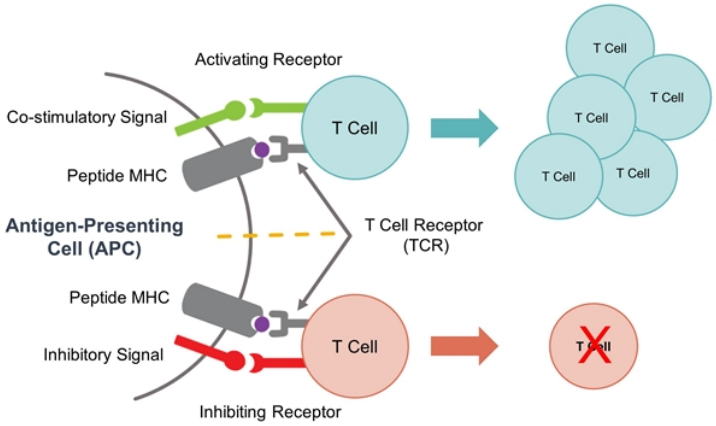
A next-generation immunotherapy company addressing oncology and autoimmune diseases

- Scalable business for rapidly generating a pipeline of precision, injectable biologics for selectively modulating T cells
- Immuno-STAT™ (Selective Targeting and Alteration of T cells) Platform: A modular protein engineering solution to immunotherapy
- Planned IND submission for lead immuno-oncology asset (CUE-101) in Q1 2019
- Autoimmune partnership with Merck
- *Ex vivo* translational biology can lower clinical risk and increase speed to approval
- Potential for strategic partnering transactions
- Multiple significant value creating opportunities over next 18 months

T Cells are Fundamental to a Healthy and Functional Immune System

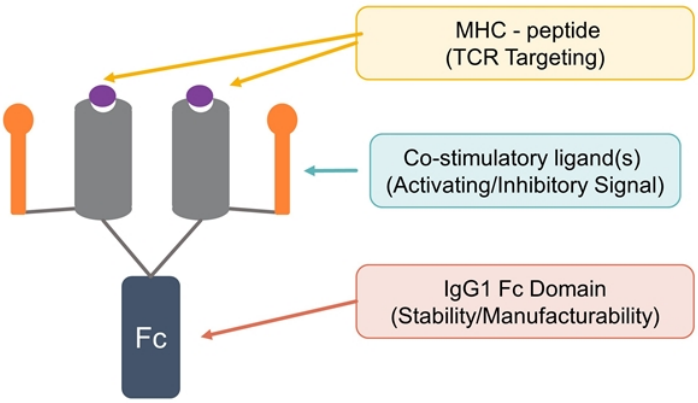
T cells interact directly with APCs to modulate diverse immune responses

- T cells are key for providing protective immunity against pathogens and tumors (beneficial for the host) or for driving self-reactive responses in autoimmune diseases (detrimental to the host)
- Antigen-presenting cells (APCs) display proteins called peptide major histocompatability complexes (pMHCs)
- T cells recognize pMHCs through a specialized cell surface receptor, the T cell receptor (TCR)
- APCs deliver signals to modulate T cell activity:
  - **Co-stimulatory** for expansion to respond to threats
  - **Inhibitory** to protect from attacks against self

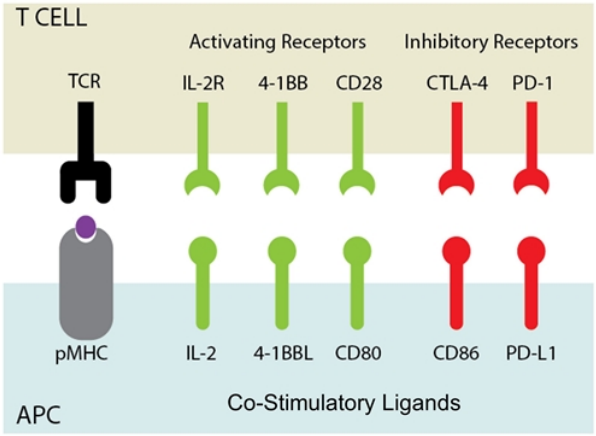


Selectively Modulating Disease-Associated T Cells

Immuno-STATs™ direct the potency of co-stimulatory ligands to antigen-specific T cell



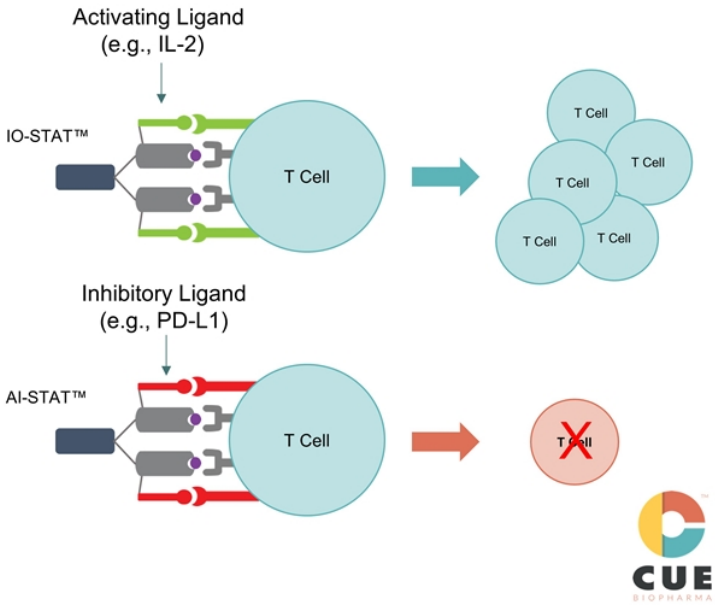
Immuno-STAT™ Framework



T cell Modulation by Leveraging Specificity of T cell Receptors

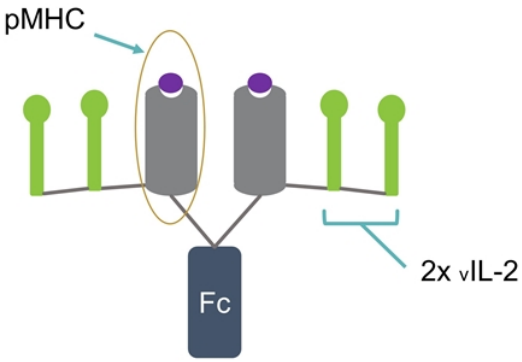
Immuno-STATs™ bind to disease-associated T cells to modulate immune responses

- Immuno-STATs™ target TCRs on disease-associated T cells through their natural specific ligands: peptide-MHC (pMHC)
- Once the target TCR is bound, Immuno-STATs™ safely deliver potent immune activators to the T cell
- Activating signals stimulate T cells to proliferate, expand, and acquire effector function to kill cancer cells: IO-STAT™
- Inhibitory signals selectively ablate or downmodulate autoreactive T cells in autoimmune diseases: AI-STAT™



Targeted Delivery of IL-2 to Disease Associated T Cells

Represents a potential breakthrough for selective delivery of IL-2 to disease relevant T cells

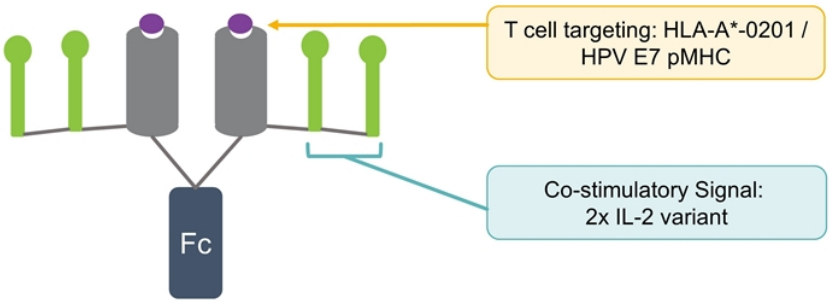


CUE-100 Framework

- Interleukin-2 (IL-2) is a highly-potent, well-validated T cell activator shown to synergize with anti-PD-1
- **IL-2 domain of CUE-100 has been modified to bias binding to the CD8+ T cells of interest**
  - **Allowing the pMHC to guide binding: broad therapeutic window potential**
  - **Reducing binding to CD4+ Tregs: higher efficacy potential**
- Pre-clinical data supports targeting IL-2 to disease-associated T cell subsets enhances efficacy and significantly reduces dose-limiting toxicities

CUE-101 is Exemplary Approach in Oncology

CUE-101 delivers IL-2 to direct T cells against HPV+ cancers



Rationale

- E7 protein is a tumor-specific driver of oncogenesis
  - Highly immunogenic epitope
- HPV+ cancers affect ~25,000 Americans annually
  - Extensive clinical characterization of IL-2 and
  - Clinical data from ACT (Adoptive Cellular Therapy) targeting same T cell population with significant clinical benefit[1]

[1]Stevanovic, S., et. al. Complete regression of metastatic cervical cancer after treatment with human papillomavirus-targeted tumor-infiltrating T cells. J Clin Oncol. 2015 May 10;33(14):1543-50.

Validating Immuno-STATs™ Through Human Ex Vivo Assays

A highly-efficient translational approach to drug discovery

- Drug candidates are screened against human blood samples for selective activation (or ablation) of disease associated T cells

- We believe the ability to rapidly assay activity of drug constructs on human T cells has potential to decrease costs, increase productivity and provide greater insights for clinical trial design

Expansion: CUE-101 Expands Human HPV-Specific T Cells from Blood Samples

CUE-101 expands HPV reactive CD 8+ T cells from HPV+ donor

Stimulation Schedule

Day 0
CUE-101
Stimulation

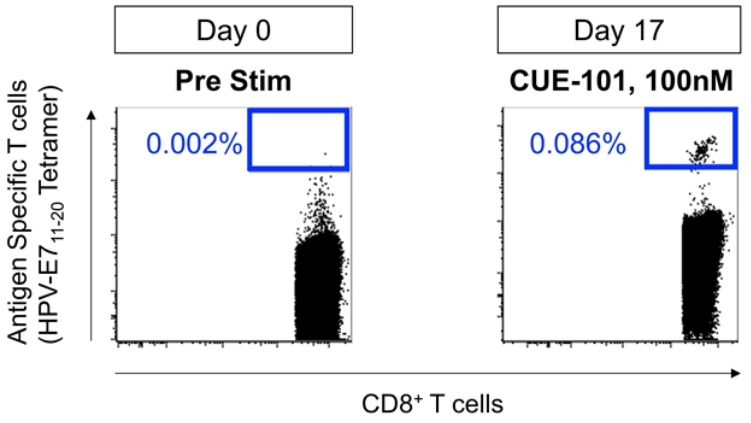
→

Day 9
CUE-101
Re-stimulation

→

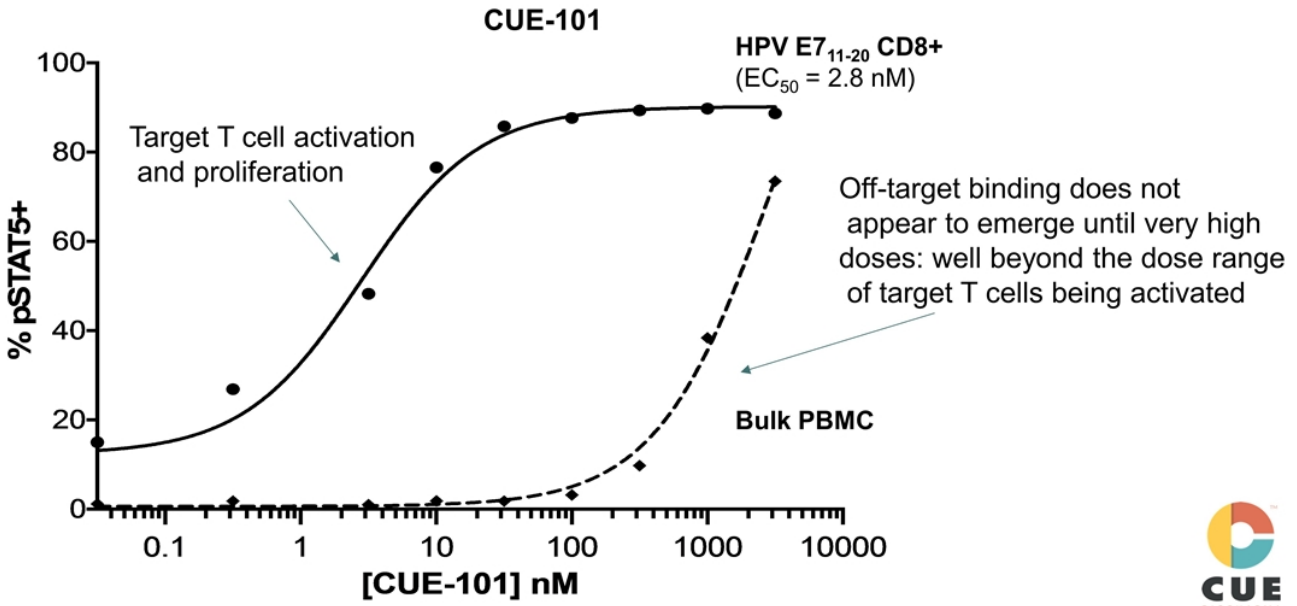
Day 17
Analysis

Results



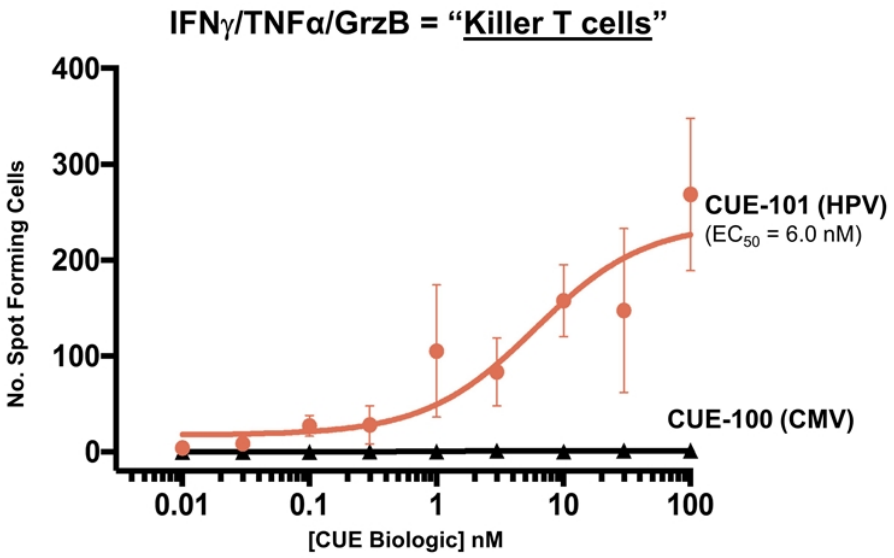
Engagement: Targeting IL-2 to Specific T cells Supports an Attractive Therapeutic Window

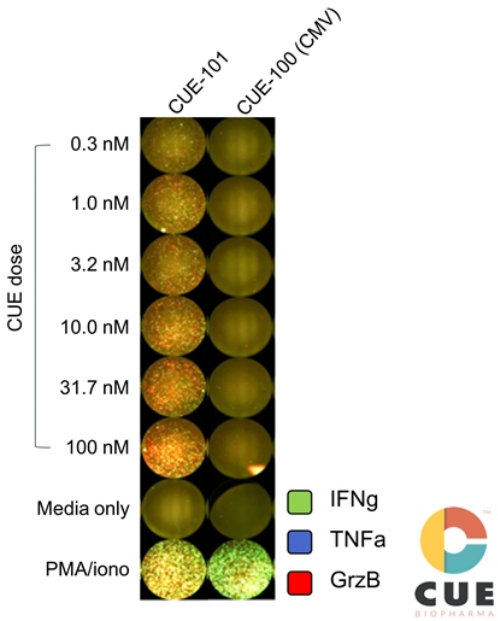
Monitoring pSTAT5 on human PBMC supports >100 fold EC_{50} window



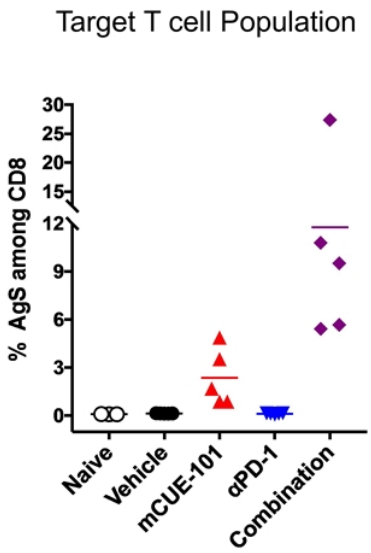
CUE-101 Activates Target T Cells into Cytotoxic “Killer” T Cells

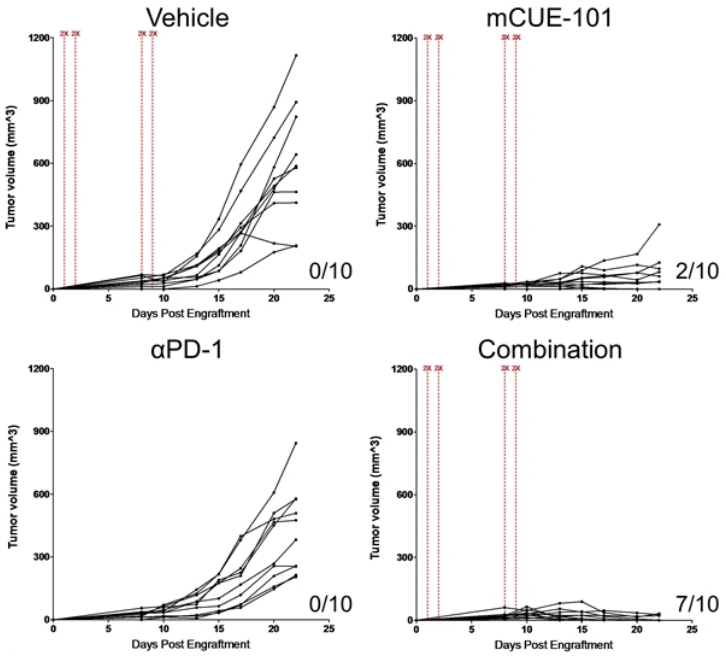
CUE-101 treated HPV reactive human T cells show markers for cell killing ability





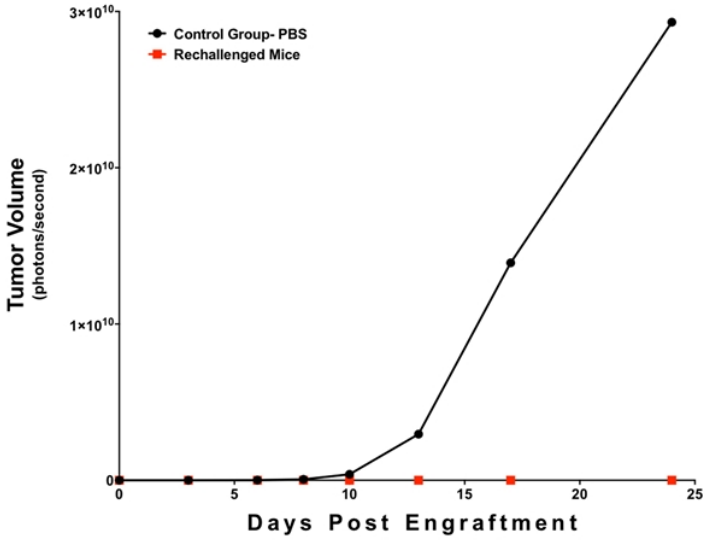
Anti-tumor Efficacy in HPV-driven TC-1 Tumor Model with mCUE-101 Correlates with Increases in Target T cell Population





Previously Treated Mice Resist Tumor Re-challenge: Demonstrates Immunological Memory

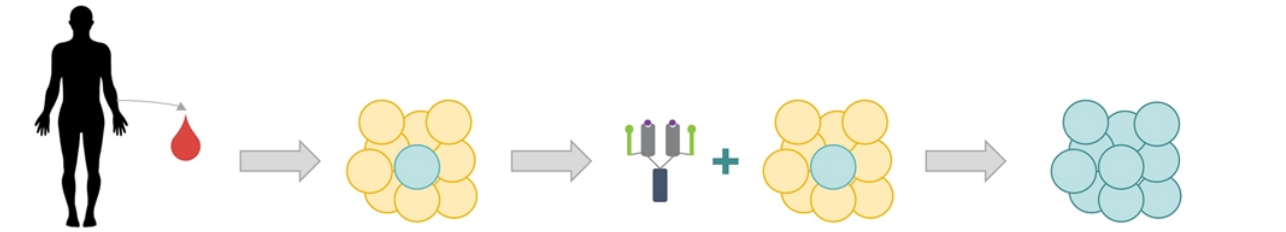
Complete responders re-challenged after two months: no additional therapy given



Using Patient Samples to Select and Stratify Patients

Potentially Provides a Translational Approach to Clinical Trials

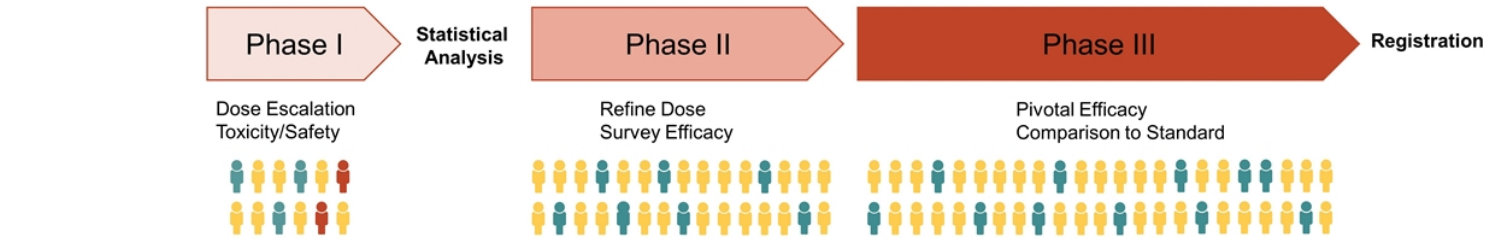
- Patient samples may be tested prior to treatment to select and stratify patient enrollment
- We believe the ability to rapidly assay activity of drug constructs on human T cells has potential to decrease costs, increase productivity and provide greater insights for clinical trial design



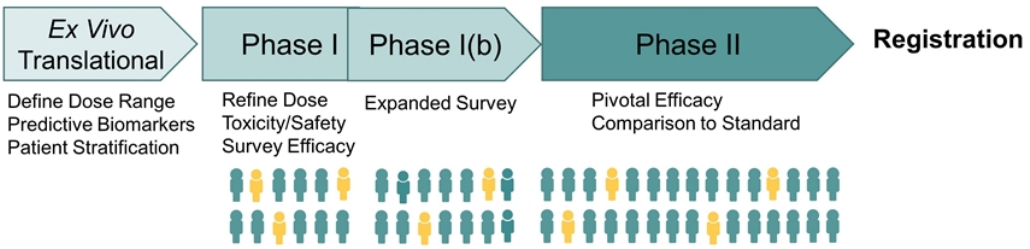
Ex Vivo Translational Studies Support Precision Medicine-Based Clinical Development

Leveraging *Ex Vivo* translational biology may lower clinical risk and increase speed to approval

Traditional Development



Translational Development

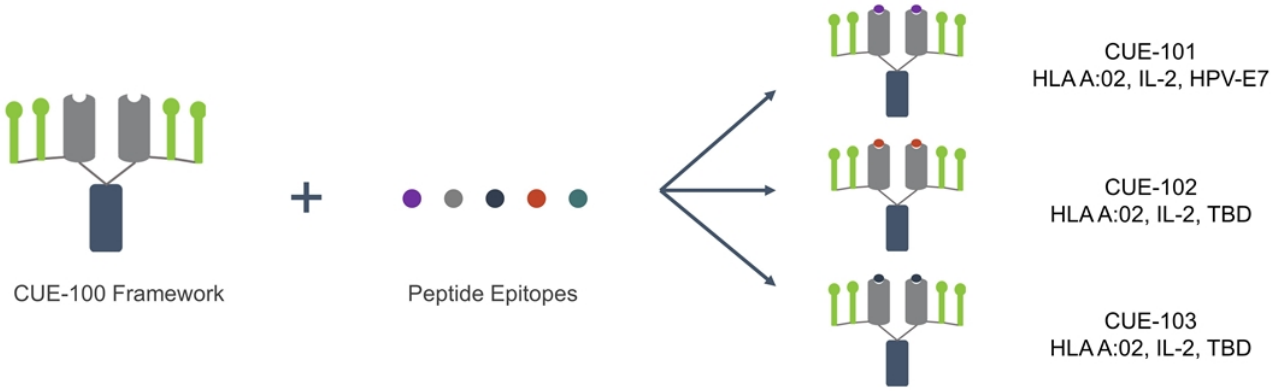


Expanding the CUE-100 Series to New Indications

Leveraging *ex vivo* assays to identify epitopes for oncology portfolio expansion

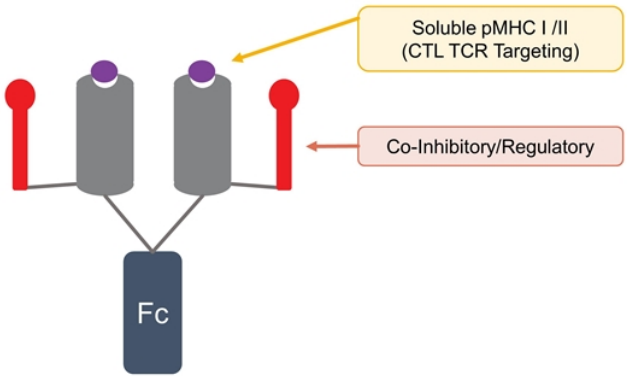
A simple peptide swap enables previously-validated framework to target new indications

- Different antigens on validated framework create new drugs
- Rapidly validates additional disease indications and pipeline



Immuno-STAT™ Platform for Targeting Autoimmune Diseases

Developing biologics to selectively ablate or inhibit disease-associated T cells



CUE MHC Class I

Directly depletes disease-associated cytolytic T cells (CTLs) recognizing self antigens can create focused holes in the immune system

CUE MHC Class II

Inhibits disease-associated T cells via direct targeting of CD4 cells and generation of T-regulatory cells (Tregs)

CUE™ BIOPHARMA

MERCK

CUE BIOPHARMA

Financial Summary and Capital Structure

- Initial Public Offering completed December 27, 2017
  - Issued 8,820,710 shares at a $7.50
  - Received approximately $62 million in net proceeds
- As of March 31, 2018:
  - $280 million in market capitalization
  - 20,130,766 common stock shares outstanding
  - $53.1 million in cash
- Positive financial position to further development of the Immuno-STAT™ Biologics platform and begin clinical studies

Potential Value Creating Activities for 2018-2019

- Planned submission of IND for CUE-101 in Q1 2019
- Continue development of pipeline
  - Nomination of new CUE-100 Series assets CUE-102/103
- Ongoing data from human clinical samples in ex vivo assays
- Further development and refinement of *ex vivo* assay capabilities to support pipeline and clinical development
- Achieve proof of mechanism/concept in Merck autoimmune program

Thank you

Immune Responses, On Cue™