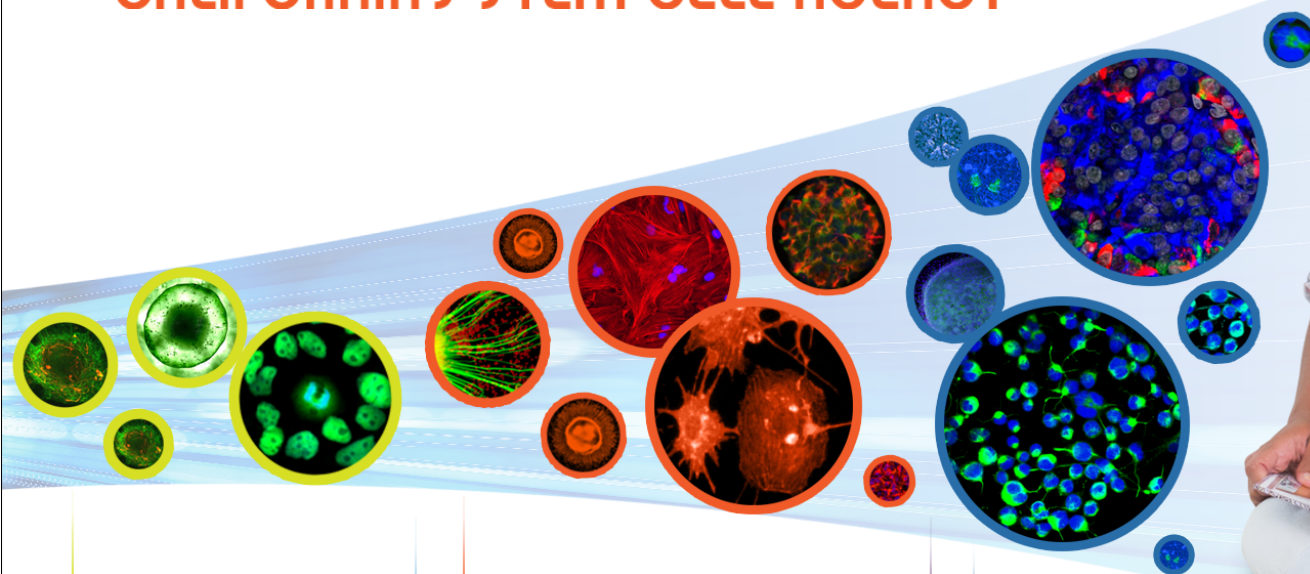


Nov 30, 2015

CIRM

CALIFORNIA'S STEM CELL AGENCY



DISCOVERY

TRANSLATIONAL

CLINICAL

EDUCATION

INFRASTRUCTURE

Accelerating Therapies **ATP³**
through public private partnership

**Presentation to the Science Subcommittee
of CIRM's ICOC**

Our Mission

To accelerate stem cell treatments to patients with unmet medical needs.

Background: Lack of Industry “Pull”

- CIRM has invested \$2 billion in developing a portfolio of over 300 technologies
- Programs are rapidly moving through preclinical and clinical development
- Industry is beginning to show interest but only 8% of CIRM’s active 71 therapeutic programs are partnered⁽¹⁾
- Out of 3,400 technologies currently marketed by the UC System, only 74 are stem cell programs (<2%)⁽²⁾

(1) As of Nov ‘15.

3 (2) UC Office of the President.

ATP3 Objectives

Accelerating Therapies through Public-Private Partnership

Engage Industry by:

- Creating an opportunity to aggregate CIRM's most promising technologies
 - Offers “multiple shots on goal” and increases the probability of success
 - Makes significant industry investment more attractive
- Leveraging CIRM's administrative and review infrastructure and its external team of world-class subject matter experts to promote access and informed insight into CIRM's portfolio of stem cell projects
- Continued CIRM funding for the development of in-licensed CIRM technologies

Accelerating Therapies Through Public-Private Partnership (ATP3)- Concept

- The private partner will in-license, develop and drive toward commercialization an aggregated portfolio of non-partnered CIRM projects
- CIRM will enable the identification and assembly of the most promising technologies and will fund continued development of these projects



Intended Outcomes

- For Researchers – continued funding for the advancement of their CIRM project
- For Universities – demand creation for the out-licensing of CIRM-funded technologies with a greater opportunity to achieve a financial return due to the aggregation of risk
- For the Citizens of California – the creation of an industrial stem cell therapeutic powerhouse that increases the likelihood of the commercialization of stem cell treatments for patients with unmet medical needs

Private Partner (ATP3 Awardee)

The Private Partner:

- Could be an established company, a spin-off, or a new company with a team formed by Pharma, biotechnology, or by an investor
- Must have an exceptional business plan that describes the synergies they intend to realize through their technology aggregation strategy
- Must have an established track record of being a top-tier leadership team with the skill set necessary to successfully execute the business plan
- Will be required to commit significant investment capital necessary to execute on this business plan
- Will have access to CIRM funds to support development costs for in-licensed CIRM programs

Award Information

- The Awardee will invest \$75M upfront into this initiative
- CIRM awards up to \$75M of funding over a period of 5 years to continue the development of CIRM-funded projects
- Subject to:
 - Pricing and access provisions common to other CIRM awards
 - “March-In Rights” for in-licensed technologies that are abandoned or “shelved”

Science Subcommittee Motion

CIRM requests that the Science Subcommittee recommend Board approval of the concept plan for ATP3, with a budget authorization of up to \$75 million to fund one or more awards over 5 years, and delegation of authority to the Science and the Intellectual Property and Industry Subcommittees to approve the award terms at a joint meeting.