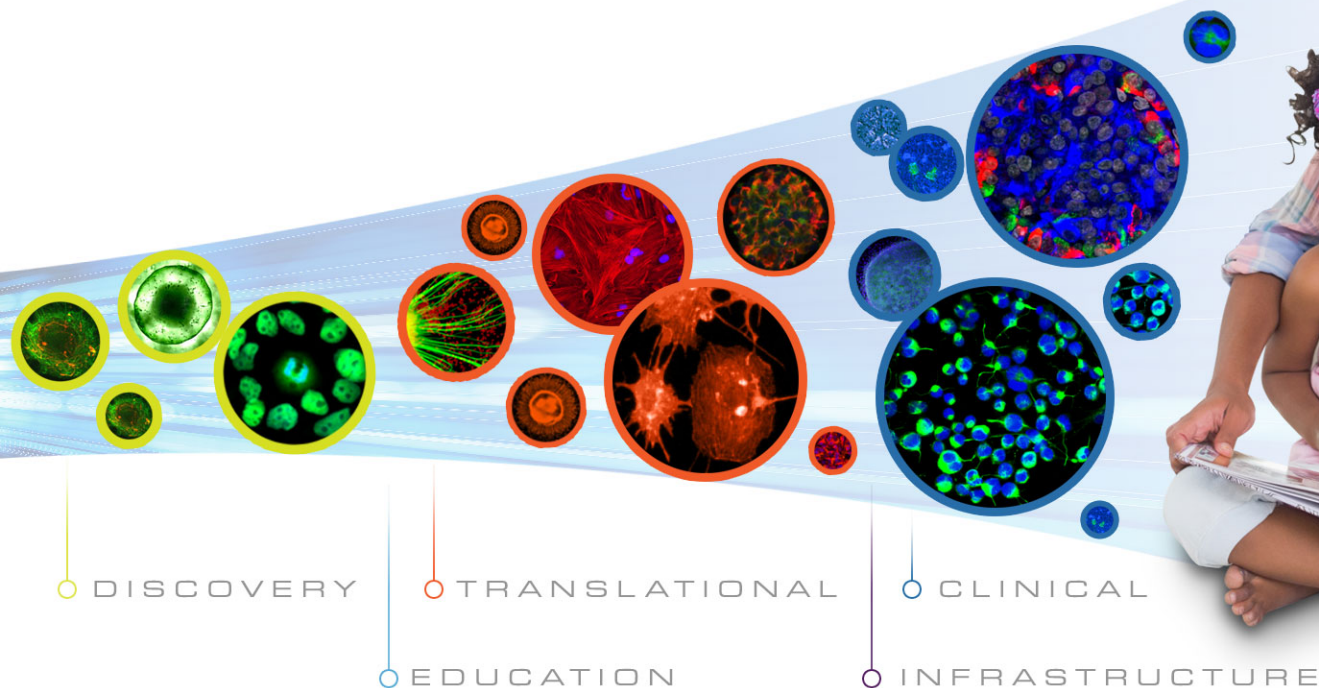


July 23, 2015

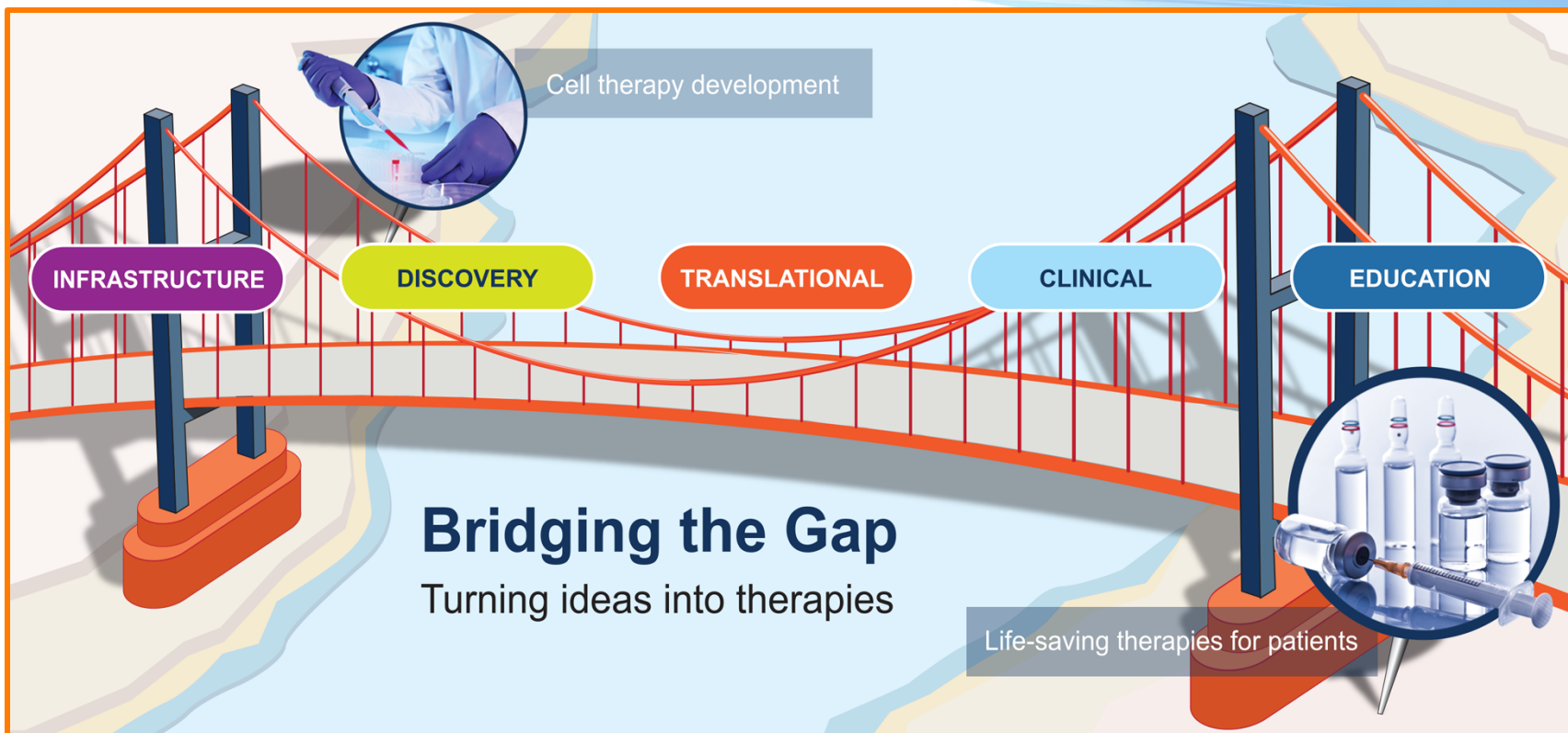


Bridges 2.0 Education Program Concept Plan

Michael Yaffe, Ph.D.

Associate Director, Discovery
California Institute for Regenerative Medicine

The CIRM Spectrum



Bridges 2.0: A Reimagined Initiative Better Aligned with CIRM's Mission

Bridges 1.0 Outcomes:

- >700 students completed the program
- 13 California State Universities and 3 community colleges
- Of former Bridges trainees:
 - 50% currently working in lab jobs
 - 30% enrolled in graduate or professional school
 - 15% completing educational program and/or applying to graduate school
- Bridges alumni are employed full time in labs at
 - >20 California universities and research institutes
 - >50 biotech and pharmaceutical companies (>90% in CA)

Bridges 2.0: A Reimagined Initiative Better Aligned with CIRM's Mission

Objective: To prepare California's undergraduate and Master's level students for highly productive careers in stem cell research & therapy development.

What We Are Keeping

- Hands-on research internship
- Stem cell techniques training course
- Educational enhancement related to stem cells
- Broadening participation from under-represented populations



Bridges 2.0: A Reimagined Initiative Better Aligned with CIRM's Mission

What We Are Adding

- Direct patient engagement activities
- Formal training on the regulatory pathway and development process
- Community outreach activities engaging diverse California communities in supporting healthcare initiatives
- Dynamic academic and career counseling for trainees and program alumni

Bridges 2.0: A Reimagined Initiative Better Aligned with CIRM's Mission

Who may apply?

- California universities or colleges that do not have a major stem cell research program

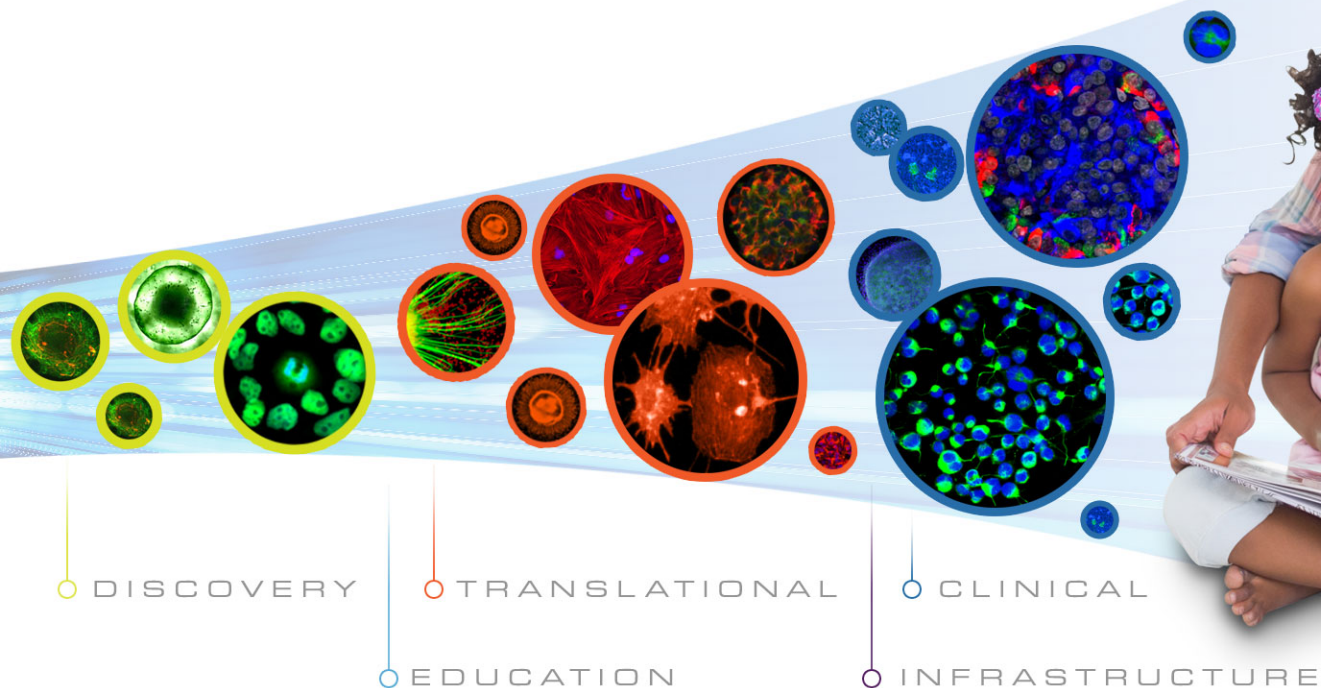
How will funds be awarded?

- Applications considered in a single review cycle

What is the requested funding allocation, project funding and project term?

- CIRM requests up to \$45.7 million to support up to 15 awards
- Each award will support up to 10 trainees per year
- Programs will be supported for up to 5 years

July 23, 2015



SPARK (Creativity) 2.0 Education Program Concept Plan

Mani Vessal, Ph.D.

Sr. Science Officer

California Institute for Regenerative Medicine

SPARK: Summer Program to Accelerate Regenerative Medicine Knowledge

Objective: To inspire, introduce and prepare California's high school students in the field of regenerative medicine as it relates to human diseases

What We Are Keeping from Creativity Awards:

- Full time hands-on summer research internship
- Broadening participation from under represented populations
- Poster Day



SPARK: Summer Program to Accelerate Regenerative Medicine Knowledge

What We Are Adding

- Direct patient engagement activities
- Preparatory training course before the commencement of research
- Community outreach activities engaging diverse California communities via social media

SPARK: Summer Program to Accelerate Regenerative Medicine Knowledge

Who may apply?

- California universities, colleges or research institutes with an established high school summer internship program

How will funds be awarded?

- Applications considered in a single review cycle

What is the requested funding allocation, project funding and project term?

- CIRM requests up to \$4 million to support up to 10 awards
- Each award will support a minimum of 5 and up to 10 trainees per year
- Programs will be supported for up to 5 years