



## DISC0 – Foundation Awards

### Concept Overview

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*Accelerating world class science to deliver transformative regenerative medicine treatments in an equitable manner to a diverse California and world*

## 2006-2020 (Proposition 71)

- **Five Pillars of Investment**

## 2021 and Beyond (Proposition 14)

- Through CIRM's New Strategic Plan we will **enhance, organize and interconnect** CIRM's proven funding model to achieve the overarching goals.



## Concept Presentation



Basic Discovery Research

## Leading expert input 2019-2021:

- CIRM Brainstorming Neurodegeneration Workshop, April 2019
- CIRM Scientific Strategy Advisory Panel, February 2021

**Need for continued research of basic mechanisms** of stem cell biology, gene therapy approaches, and disease biology to improve likelihood of clinical success for regenerative therapies

## Translated into the CIRM Strategic Plan 2022-2027:

- To realize the full potential of regenerative medicine for society, CIRM is committed to promoting success of high risk/high reward projects

- Advance our understanding of stem cell biology, relevant to human biology and disease
- Advance the development or use of human stem cells as tools for biomedical innovation
- Lead to the greater applicability of regenerative medicine discoveries to communities representing the full spectrum of diversity.
- Advance the application of genetic research, relevant to human biology and disease and as it pertains to stem cells or regenerative medicine

**Goal:** *To support rigorous studies addressing critical basic knowledge gaps in the biology and application of regenerative medicine approaches to the development of therapies.*



## Project Eligibility

- Define and propose research that addresses a **key knowledge gap**:
  - In our understanding of the biology or application of stem cells or progenitor cells; or
  - In the application of genetic research (\*) as it pertains to stem cells or regenerative medicine

(\*) Research that alters genomic sequences of cells (edit, remove, or add DNA sequences); or

- Introduces or directly manipulates nucleic acids (such as mRNAs, antisense oligonucleotides) in cells.

- Validate **any discoveries made in non-human cells** with a **relevant human cell equivalent**

## Institution Eligibility

- **California for-profit and non-profit** are eligible to apply

## PI Eligibility

- Principal Investigators **must commit at least 20% effort**

## Applicants will be required to:

- Develop and execute a Data Sharing Plan (\*)
- Allocate funds for personnel and/or activities related to managing and sharing data
- Share data in accordance with FAIR data principles

(\*) Example of operationalization:

- **Templates** for: a) data management and sharing plan and b) allowable costs
- List of **established and available data (\*) repositories**
- **List to training/tutorials (Broad/NIH...)**



	DISC0 Award Budget Components
Maximum direct project costs <sup>(*)</sup> per award	\$1M
Maximum Duration of Awards	3 years

Opportunity available 1-2 times / year

- Approx. 12-14 awards ~ \$20M/round

<sup>(\*)</sup> Does not include indirect costs. Including indirect costs, the average total cost/project including indirects is \$1.5M

CIRM requests the Board approve the proposed  
DISCO – Foundation Awards Program concept

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Basic Discovery Research