DISC4 ReMIND-L Program
GWG Recommendations

CIRM
CALIFORNIA INSTITUTE FOR REGENERATIVE MEDICINE

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Our Mission

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

ReMIND Initiative: Goals & Objective

Research using Multidisciplinary, Innovative approaches in Neuro Diseases

Accelerate the **discovery of mechanisms** underlying **neuropsychiatric** disorders leading to **identification** and **validation** of novel **targets** and **biomarkers** with the goal to provide new avenues and rigorous foundations for future translational and clinical investigations

- **Accelerate** foundational scientific understanding of disease mechanisms, and development of transformative tools and technologies
- **Catalyze** multi-disciplinary innovation, attract new talent and seed new partnerships
- **Drive** open and collaborative science through data, resource & knowledge sharing

ReMIND: Two Unique Award Types

	ReMIND-L	ReMIND-X
Types of study	**Large collaborative projects**	**Exploratory, high-risk projects**
Duration	4 years	2 years
Max budget **Direct Project Costs**	$10M (with matching funds) $8M (without matching funds)	$1M
CA eligibility	California non-profit or for-profit research institutions	
Core team	min 5 investigators 1 Principal and 4 co-Investigators	min 2 investigators 1 Principal and 1 co-Investigator
Number of awards	6	12
RFA posted	Dec 2023	TBD

ReMIND-L Program Outcomes

ReMIND-L awards will support expansive, cross-disciplinary and integrated studies led by large collaborative teams applying a range of technologies and approaches.

Outcomes of proposed projects may include:

- **Discover** novel mechanistic insights or further our current understanding of neuropsychiatric disease mechanisms
- **Address** major bottlenecks in the study of neuropsychiatric disorders
- **Expand** understanding of disease mechanisms to diverse human populations
- **Identify** and **validate** new therapeutic hypotheses, targets, and/or biomarker(s)

ReMIND-L Program Requirements

Address a key knowledge gap or research bottleneck in our understanding of neuropsychiatric diseases

Include studies that employ stem cells or genetic* research as part of the central approach or hypothesis

Justify any proposed use of non-human models and validate findings using human tissue or models

* Research that alters genomic sequences of cells (edit, remove or add DNA sequences); or introduces or directly manipulates nucleic acids (e.g., coding and non-coding RNAs, antisense oligonucleotides) in cells

ReMIND-L Program Requirements

	ReMIND-L
Applicant Organization	**California-based non-profit or for-profit** research institutions
Principal Investigator	**Single PI** to serve as the primary administrative contact for CIRM and effectively manage overall team
Core Team	**Minimum 5 investigators** 1 Principal and 4 or more co-Investigators
Minimum % effort	Principal Investigator – 15% Co-Investigators (4 or more) – 10% each
Other personnel requirements	• At least one member with relevant clinical expertise • At least one member with relevant computational biology expertise • Data project manager

ReMIND-L Program Requirements

Additional funds up to $0.5M/year can be requested **IF** equal or larger amount of matching funds is provided

Matching Funds	
Requirements	• Must be contributed evenly across the award period • Must be used for specific project related expenses • Evidence of commitment of funds must be provided at pre-funding admin review
Source of Funds	• Any CA or non-CA non-CIRM source (with funder approval) • May include in-kind contributions (value must be justified)
Eligible Expenses	• Salary for full-time personnel • Research supplies and resources uniquely dedicated to this project • Use of facilities with existing recharge rates • Third-party subcontracts
Application Sections	• Online Matching Funds page • Research Proposal and Budget Justification upload documents • May upload supporting documents at application stage if available

GWG Composition and Roles

Scientific GWG Member	Scientific evaluation (disease or technology expertise) Provides scientific score on all applications
GWG Board Member	Patient perspective on DEI, significance and potential impact, oversight on process Provides a suggested scientific score
Scientific Specialist (non-voting)	Scientific evaluation (specialized expertise as needed) Provides initial but not final scientific score

ReMIND Scoring System

- **Score of "1"**

  Exceptional merit and warrants funding.

  May have minor recommendations and adjustments that do not require further review by the GWG

- **Score of "2"**

  Needs improvement and does not warrant funding at this time but may be resubmitted to address areas for improvement. CIRM's board may opt to allow resubmissions if fewer than the target number of applications are funded in the first round.

- **Score of "3"**

  Sufficiently flawed that it does not warrant funding.

Scientific Review Criteria

Basis for Scientific Score

1. Does the project hold the necessary significance and potential for impact?
2. Is the proposal innovative?
3. Is the rationale sound?
4. Is the project well planned and designed?
5. Is the proposal feasible?
6. Does the project uphold the principles of diversity, equity, and inclusion?

GWG Recommendations

Score	Number of Apps	Total Applicant Request	Funds Available
Warrants funding Score of "1"	5	$67,524,203	$88,200,000
Needs improvement Score of "2"	9	$112,208,322	
Does not warrant funding Score of "3"	12		

For each award, the final award amount shall not exceed the amount approved by the ICOC Application Review Subcommittee and may be reduced contingent on CIRM's assessment of allowable costs and activities.

Minority Reports

- Under Prop 14, any application that is not recommended for funding by the GWG, but which had 35% or more members score to fund the application must include a minority report.

- The minority report is included in the review summary and provides a brief synopsis of the opinion of reviewers that scored the application 85 or above.

Applications with Minority Report

App Number	Title	Funds Requested	Score	Number of Votes		
				1	2	3
DISC4-16337	Defining Neurovascular Metabolism in Neurodevelopmental and Neuropsychiatric Disorders	**$12,000,482**	2	7	7	0

The CIRM Team supports the majority position for application DISC4-16337 to not fund but allow applicants to revise and resubmit.

Applications with Score of "2"

- Nine applications received a score of "2", which allows resubmission **if** the target number of applications (6) is not reached, **and** the Application Review Subcommittee agrees to consider additional applications for funding.

- The remaining budget allows funding of one additional application and possibly two, if applicants reduce their requested budget.

- The CIRM team recommends:
  - Approve funding for the 5 applications with a score of "1"
  - Do not approve funding of all applications with a score of "3"
  - Allow for revision and resubmission of applications with a score of "2"