



Neuro **Discovery**

Research using **Multidisciplinary, Innovative**
approaches in **Neuro Diseases**

(ReMIND)

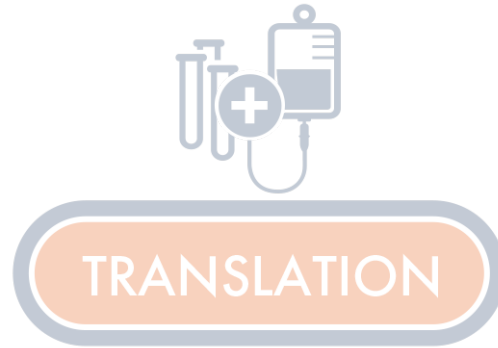
Concept Presentation

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CIRM's Scientific Programs and Education Team
Neuro-DISC (ReMIND) Concept Plan Discussion
August, 2023



- Clarified **definition of Neuro** and adjusted language regarding neuropsychiatric disorders
- Added table of funding structures of **ReMIND vs comparable awards** (e.g., size, duration, minimum PI effort)
- Added **example project structures**
- **Removed any projections** outside of current Concept Proposal
- Clarified structure and purpose of **Discovery Advisory Panel** and added **community engagement** consultant as a member

ReMIND - Discovery phase of CIRM's Neuro Strategy



ReMIND

OUR MISSION

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





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
- **Catalyze** multi-disciplinary innovation
- **Drive** open and collaborative science

ReMIND = Research using Multidisciplinary, Innovative approaches in Neuro Diseases



	ReMIND-L	ReMIND-X
Types of study	Large collaborative projects	Exploratory projects
Preliminary Data	Required	Not required
Award structure	4 years	2 years
Direct costs per award	Base component	\$0.5M/ year \$1.0M total
	Up to \$2.0M/ year \$8.0M total	
Expected number of awards	6	12

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Preliminary Data	Required		Not required
Award structure	4 years		2 years
Direct costs per award	Base component	+ <i>Optional</i> Matching funds*	\$0.5M/ year \$1.0M total
	Up to \$2.0M/ year \$8.0M total	Up to \$0.5M/year \$2.0M total	
	Total from CIRM* Up to \$2.5M/year \$10M total		
Expected number of awards	6		12
Total award budget (w F&A costs)	\$88.2M		\$22.5M

* *Note:* Matching funds contingent on teams acquiring \geq \$0.5M/year funding from CA or non-CA sources



Large team collaborative projects



Exploratory, high-risk, high-impact studies



	ReMIND-L	ReMIND-X
Types of study	Large Collaborative projects	Exploratory, high-risk projects
CA eligibility	California non-profit or for-profit research institutions	
Principal Investigator	Will manage the project and serve as the primary administrative contact for CIRM and any award partners	
Min % effort	Principal Investigator – 15% Co-Investigators (4 or more) – 10%	Principal Investigator – 5% Co-Investigators (1 or more) – 5%
Team size	5 (minimum) 1 x Principal and Co-Investigators	2 (minimum) 1 x Principal and Co-Investigators
Team member	<ul style="list-style-type: none"> At least one member of the collaboration should have relevant clinical expertise At least one member should have relevant computational biology expertise 	<ul style="list-style-type: none"> Strongly encourage applications from investigators who can bring new technologies, resources, or frameworks to the study of neuropsychiatric disorders and in-vitro modeling of the human CNS



To be eligible, ReMIND projects **must**:

- Address a key knowledge gap or research bottleneck in our understanding of neuropsychiatric diseases
- Employ stem cells or genetic research* as part of the central approach and justify elements that do not directly involve stem cells/genetic research*
- Validate findings derived from non-human systems with a relevant human tissue/cell equivalent

* 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.

Data Sharing

Required Data Sharing and Management Plan

- Describe approach to sharing and management of data generated consistent with FAIR principles

Required coordination with Data-Coordination and Management Center (DCMC)

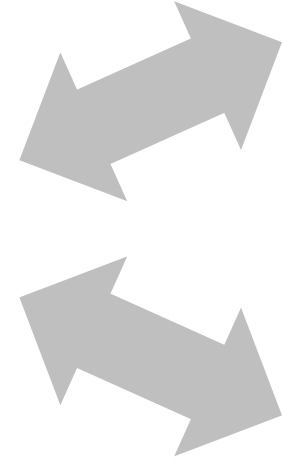
- Participation in DCMC activities and alignment of data processes with its recommendations.

Diversity, Equity, Inclusion

Applications must include plans to address DEI



Discovery Advisory Committees
Data Coordinating & Management Center



CIRM funded infrastructure, education and scientific programs



External consortia, resource networks and data platforms



CIRM ReMIND Consortium



Open Science Community



Discovery of novel targets and biomarkers



Increase efficiency and success of clinical trials



Program Budget

	ReMIND-L	ReMIND-X
Total per-cycle budget (w/indirect costs)	\$88.2M	\$22.5M



CIRM requests the Board approve the proposed ReMIND Program Concept



ReMIND

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approaches in Neuro Diseases**

Appendix



Grant Type	Examples	Min PI effort	Duration (years)	Max Costs /year
Large collaborative projects	ReMIND-L	PI 15% Co-Investigators 10%	4	\$2.5M (Direct)
	NIMH Convergent Neuroscience (U01)	PD/PI (25%)	5	\$2.5M (Direct)
	NIMH Silvio O. Conte Centers (P50)	Center Director (25%) Sub-project lead (15%)	5	\$2.0M (Direct)
	SFARI Human Cognitive and Behavioral Science Collaboration Track	No min	3	\$1.0M (Total)
	CZI-Neurodegeneration Patient-Partnered Collaboration	No min	2 + 2	\$0.5M (Total)
Exploratory, high-risk projects	ReMIND-X	5%	2	\$500K (Direct)
	CZI-Neurodegeneration Collaborative Pairs Pilot Phase	No min	1.5	\$150K (Total)
	NIMH Exploratory/Developmental Research Grant (R21)	No min	2	\$200K (Direct)
	SFARI Pilot award	No min	2	\$150K (Total)