

Brain Wellness

Grand Challenge:

Mitigate the impact of brain damage and disease by better understanding neurological changes and recovery

Description:

To develop innovative and effective means for solving pressing health issues related to the brain and its functions, we must understand how damage occurs and disease forms, how pathologies begin and progress, how genetic and environmental factors affect damage and disease, and what enables or prevents full recovery from such events.

Evidence-based approaches for mitigating the impact of neural injury, disease, and addiction will be developed, deployed, and evaluated by working collaboratively across the continuum — from basic neuroscience to community-engaged research to clinical care and education.

Foundations:

- Understand the neuroscience of injury, addiction, and disease
- Translate those findings into new technologies, methods, treatments, and practices that improve recovery and enhance functional capacity