

GEM⁴

SUMMER INSTITUTE

2015 Summer Institute: Mechanobiology of the Brain

with a focus on Neuroscience and Cellular Mechanics

June 22 – July 3, 2015

Carnegie Mellon University
Pittsburgh, Pennsylvania, USA

OBJECTIVE:

The overall objective is to enhance the ability to address overarching challenges in the area of Mechanobiology of the Brain. Highly interdisciplinary in nature, the 2015 Summer Institute will offer faculty expertise from biology, engineering, materials science, medical science, and imaging through lectures and hands-on lab experiences.

INVITED LECTURERS FROM:

- Carnegie Mellon University
- Columbia University
- Georgia Institute of Technology
- Indian Institute of Science
- Massachusetts Institute of Technology
- National University of Singapore
- Rice University
- Swiss Federal Institute of Technology in Zurich
- University of Illinois at Urbana-Champaign
- University of Oxford
- University of Pittsburgh
- University of Pennsylvania

HANDS-ON LABS INCLUDING:

- Neuron culture
- Live cell imaging
- Micro/nano fabrication
- 3D printing

SPONSORS:

- BrainHubSM
- Center for the Mechanics and Engineering of Cellular Systems (CMECS)
- Global Enterprise for Micro-Mechanics and Molecular Medicine (GEM⁴)
- Institute for Complex Engineered Systems (ICES)

BrainHub



Carnegie Mellon University
Institute for Complex
Engineered Systems