

Friday, May 12 | 1:00 – 6:30 pm
S360, Clark Center, Stanford University

1:00 – 1:10pm Welcome and Introduction to NPIL – Jin Hyung Lee

1:10 – 1:40pm 7T, 40cm bore Preclinical MRI Features and Support, Saaussan Madi, PhD, MRI Applications Scientist, Bruker

1:40 – 2:30pm MRI for Neuroscientists

Expert Panelist:

- Saaussan Madi, PhD, MRI Applications Scientist, Bruker
- Jin Hyung Lee, NPIL, Faculty Advisory Committee, Stanford University
- Jieun Kim, NPIL, Director, Stanford University

Q&A

1. What kind of studies can we do with the state-of-the art MRI at NPIL?
2. What kind of service does NPIL provide?
3. How is data managed at NPIL?

2:30 – 2:40pm Break

2:40 – 3:30pm Keynote Speaker

David Leopold, PhD,

Chief, Section on Cognitive Neurophysiology and Imaging (SCNI) and
Director, Neurophysiology Imaging Facility, NIH/NIMH

“Single-unit fMRI mapping: new perspectives on brain organization”

3:30 – 4:45pm 2022 NPIL Pilot Grant Awardee Presentation

3:30 – 3:45 **Cholawat Pacharinsak**

“Hypothermia Alteration of Cardiac Function under Isoflurane Anesthesia in Mice”

3:45 – 4:00 **Justin Trotter**

“Unbiased, Brain-wide Analysis of Brain Structure and Neurovascular Integrity Following Deletion of a Cell-Cell Adhesion Module in Astrocytes”

4:00 – 4:15 **Sui Wang**

“Application of MRI for Studying Eye Anatomy and Disease”

4:15 – 4:30 **Marios Georgiadis**

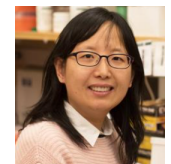
“Neuroimaging of Mild TBI in Pigs”

4:30 – 4:45 **Gustavo Chau**

“Mapping white matter microstructural changes longitudinally on a mouse model of absence seizures”

4:45 – 5:00pm Announcement of the 6 Pilot Grant Awardees by Jin Hyung Lee & Tim Doyle on behalf of the Faculty Advisory Board Committee & Wu Tsai Neurosciences Institute

5:00 – 6:30pm Poster Session, Networking, Refreshments, NPIL Facility Tour



Special Thanks To

Organizing Committee: Jin Hyung Lee, Clara Choi, Tim Doyle, Jieun Kim

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Faculty Advisory Committee for NPIL: Jin Hyung Lee, Bill Newsome, Frank Longo, Gary Glover, Jennifer McNab, Ivan Soltesz, Brian Wandell