Neuroscience Research Institute
Neuroimaging Symposium
October 28-29, 2022

Thursday, October 27th
6:30 p.m. Dinner for Invited Speakers & Organizers

Friday, October 28th
8:00 a.m. Registration & Continental Breakfast
8:30 a.m. Opening Remarks

Plenary Speaker
Three Myths of Artificial Intelligence & Medical Imaging
Rory Pilgrim (Google Health)

Discussant: Yanhui Ma (OSU)

9:45 a.m. Break

10:00 a.m. Session I – Neurodegeneration
Moderators: Doug Scharre (OSU) and Lei Wang (OSU)
Imaging the Biology of Beta-amyloid and Tau
Bill Jagust (UC Berkeley) – Zoom
Connectome-Based Models of Functional Connectivity Predict Alzheimer’s Disease Pathology and Cognitive Decline in Older Adults
Ruchika Prakash (OSU)
On AI, AO, and Other Projects with Fun Acronyms (Number 3 Will Shock You!)
Sina Farsiu (Duke) – Zoom

11:45 p.m. Session I Q&A

12:05 p.m. Lunch/Networking

1:00 p.m. Session II – Neurodegeneration/Vascular Dementia
Moderators: Ruchika Prakash (OSU) and Yousef Hannawi (OSU)

**Molecular Imaging and Imaging Data Analytics in Neurodegeneration**
*Michael Knopp (OSU)*

Quantitative brain PET/SPECT analysis in nuclear neuroimaging interpretation
*Bingfeng Tang (OSU)*

**Novel Imaging of Small Vessel Cerebrovascular Disease**
*Charlie DeCarli (UC Davis)*

2:45 p.m. **Session II Q&A**

3:00 p.m. **Break**

3:15 p.m. **Flash Talks**
Moderators: TBD
*Chosen from Abstracts*

4:30 p.m. **Poster Session & Reception**

6:30 p.m. **Closing Remarks**

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**Saturday, October 29th**

8:00 a.m. **Arrival & Continental Breakfast**

8:30 a.m. **Session III – Neurovascular / Innovation in Neuroimaging**
Moderators: Yousef Hannawi (OSU)
Clinical Applications of Artificial Intelligence in Acute Stroke Imaging
*Greg Albers (Stanford)*
AI algorithm development in neuroimaging: from idea to implementation
*Luciano Prevedello (OSU)*

9:40 a.m. **Session III Q&A**

9:50 a.m. **Break**

10:00 a.m. **Session IV - Ocular Imaging in Neurological Diagnosis & Management**
Moderators: Sayoko Moroi (OSU) & Nathan Doble (OSU)
Progress on Structural and Functional Retinal Imaging in Mice
*Robert Zawadzki (UC Davis)*
Diagnosing Traumatic Optic Neuropathy Using Visual Electrophysiology
*Matt Reilly (OSU)*
Break

Reconstructing attended objects, features, and locations from fMRI and EEG data  
Julie Golomb (OSU)  
Imaging Advances in the Evaluation of Inflammatory Optic Neuropathies  
Fiona Costello (U Calgary) – Zoom

12:25 p.m. Session I Q&A

12:45 p.m. Closing Remarks