



The 12th International Conference of Brain Informatics (BI 2019)
December 13-15, 2019
Haikou, Hainan Island, China

3rd Annual Workshop on Novel Methods of the Brain Imaging in the Clinical and Preclinical Neuroscience (NMBICPN 2019)

Introduction:

Brain imaging holds crucial roles in viewing normal and abnormal conditions in the human brain without invasive neurosurgery. The workshop invites scientists and clinicians to present their seminal work on the relevant topics in novel methods of brain imaging in clinical and pre-clinical neuroscience.

We welcome investigators to share their innovative brain imaging approaches to further advance our ability to understand our brain function as well as to detect, diagnose, or monitor neurological conditions, such as mental disorders, brain tumor, strokes, epilepsy, Alzheimer's disease, Parkinson's disease, and other neurological disorders as well as brain traumas.

We also encourage the presenters to submit the high-quality, original work as a full paper (Type I submission) for the Lecture Notes in Computer Science/Artificial Intelligence (LNCS/LNAI) by Springer.

We are looking forward to seeing you in Hainan, China!

Topics of Interest:

The topics for the workshop include novel clinical or pre-clinical application of brain imaging with:

- CT, PET, MRI
- Magneto-encephalography (MEG)
- Diffusion Tensor Imaging (DTI)
- IR, NIRS, event-related optical signal, diffuse optical imaging
- Photoacoustic and Ultrasound
- Neurophotonics
- EEG
- Any other novel brain imaging techniques
- Any advanced or novel software or databases for the brain imaging
- Voltage- and Calcium imaging

Workshop Chairs:

Vicky Yamamoto

USC Tina and Rick Caruso Department of Otolaryngology-Head and Neck Surgery

USC Norris Comprehensive Cancer Center

Keck School of Medicine of University of Southern California

California, USA

Email: vyamamot@med.usc.edu