



Progress in Neurophotonics and Its Future Perspectives

Guest Editors:

Prof. Dr. Huabei Jiang

Department of Medical
Engineering, University of South
Florida, Tampa, FL 33620, USA

Dr. Dan Wu

School of Optoelectric
Engineering, Chongqing
University of Posts and
Telecommunications, Chongqing
400065, China

Dr. Shixie Jiang

Department of Psychiatry,
College of Medicine, University of
Florida, Gainesville, FL 32610,
USA

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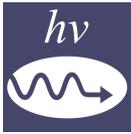
Message from the Guest Editors

Dear Colleagues,

This Special Issue aims to provide a vehicle for communicating important advancements in the use of optical methods/technologies to study brain function, organization and structure microscopically, mesoscopically or macroscopically. Topics include but are not limited to:

- Imaging and manipulation of neural circuitry;
- Methods to investigate cellular energetics, neuroglial and vascular physiology;
- Microscopy and super-resolution optical microscopy;
- Fluorescence imaging;
- Diffuse optical tomography;
- Molecular imaging and nanotheranostics;
- Multimodal optical imaging;
- Noninvasive methods of measuring and imaging brain function and physiology;
- Optogenetics and other optical methods of manipulating cellular behavior;
- Photoacoustic tomography and microscopy;
- Photoacoustic neuromodulation;
- Photodynamic therapy; Photoimmunotherapy; Photobiomodulation;
- Synthetic and genetically encoded optical reporters and actuators;
- Theoretical and computational optical methods; Optical clearing methods;
- Translational and clinical applications.





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Prof. Dr. Nelson Tansu

School of Electrical and
Electronic Engineering (EEE), The
University of Adelaide, Adelaide,
SA 5005, Australia

Message from the Editor-in-Chief

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Photonics Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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