



New Trends in Photoacoustic Imaging

Guest Editors:

Dr. Yao Sun

Department of Radiology, Wake
Forest University School of
Medicine, 1 Medical Center Blvd,
Winston-Salem, NC 27157, USA

Dr. Liliya Yamaleyeva

Hypertension and Vascular
Research Center, Wake Forest
University School of Medicine, 1
Medical Center Blvd, Winston-
Salem, NC 27157, USA

Dr. Hao Yang

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

Deadline for manuscript
submissions:

closed (31 December 2023)

Message from the Guest Editors

Dear Colleagues,

Photoacoustic imaging is a hybrid imaging modality combining rich optical contrast with high spatial resolution and deep tissue penetration of ultrasound imaging. This Special Issue aims to highlight new trends in photoacoustic imaging, including technical advancements and potential applications in life science/clinics.

For this Special Issue, the topics of interest include, but are not limited to:

- Quantitative photoacoustic imaging;
- Deep learning algorithms in photoacoustic imaging;
- Real-time photoacoustic imaging;
- The enhancement of spatial resolution and/or depth penetration in photoacoustic imaging;
- Imaging contrast for photoacoustic imaging;
- Photoacoustic imaging in arthritis detection;
- Photoacoustic imaging in cancer detection;
- Photoacoustic imaging in nanomedicine;
- Photoacoustic imaging in image-guided therapy.

