

Yun-Sheng Chen

Assistant Professor

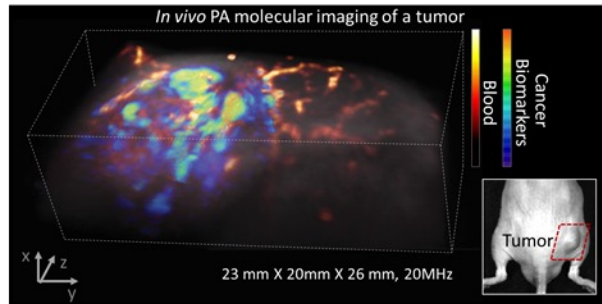
Department of Electrical and Computer Engineering

[Affiliate Research Page](#)

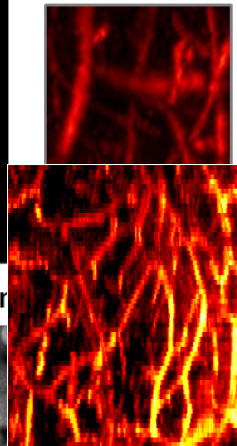
Email: yunsheng@illinois.edu

Created: Jan 2024

Photoacoustic molecular tumor imaging



Photoacoustic angiography



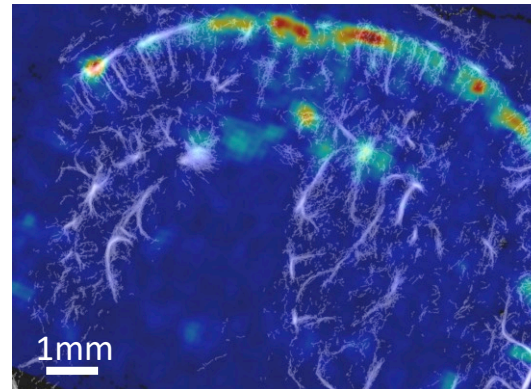
Research Interests

Biomedical imaging; Optical and Acoustic Therapies

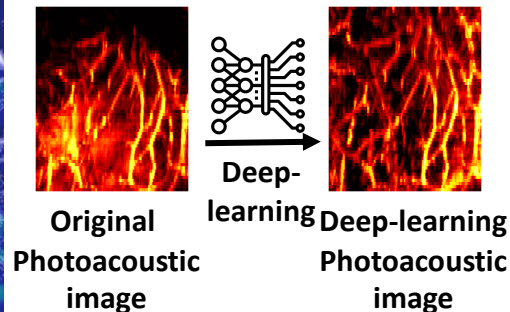
Current Projects

- High-resolution acoustic imaging for studying dietary-induced hepatic changes
- Photoacoustic/ultrasound imaging beyond temporal and spatial resolution limit
- Photoacoustic image-guided therapy
- Multimodality imaging

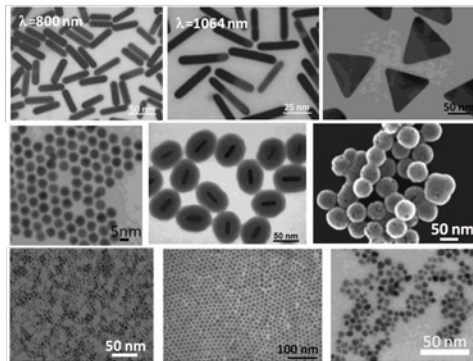
Multimodality image of cerebral angiography & blood oxygen levels



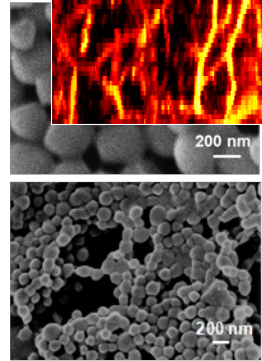
Deep-learning enhanced photoacoustic angiography



Photoacoustic theranostic agents



Ultrasound



Keywords

Biomedical imaging, personalized nutrition, hepatic, diet,