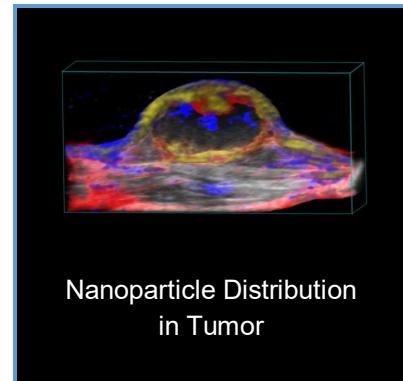
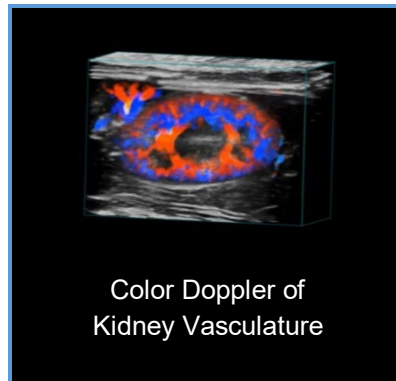
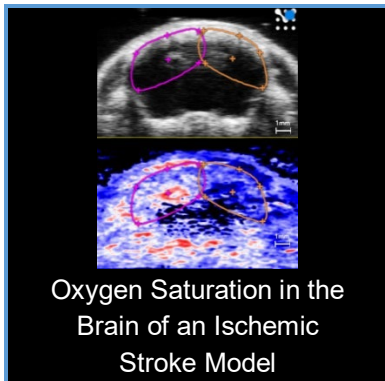


Listening to the Light: A Symposium on Biomedical Applications of Photoacoustic Ultrasound, a Multimodal Technique

The University of Arizona College of Medicine - Tucson, AZ
April 16th 9am to 5pm | April 17th 9:00am to 3:30pm

*Light refreshments and lunch will be provided to registered participants on Day 1



Agenda Overview (Day 1)

8:45 – 9:15am

UAHS 3117

Pre-event Opening: Refreshments and Networking

9:15 – 9:30am

UAHS 3117

Welcome Address & Logistics for the Day

Dr. Russell S. Witte, PhD—Professor, Medical Imaging, Biomedical Engineering,
Optical Sciences, Surgery, and Neurosurgery

David Knox—Regional Sales Manager, FUJIFILM VisualSonics

9:30 – 10:30am

**Keynote
Speaker**

UAHS 3117

Light and Sound: from Background-Free Imaging and Particle/Cell Tracking to Image-guided Blood Brain Barrier Opening

Dr. Stanislav Emelianov, PhD—Joseph M. Pettit Chair, Georgia Research Alliance Eminent Scholar, Professor of Electrical & Computer Engineering, Biomedical Engineering and Radiology, Georgia Institute of Technology and Emory University School of Medicine

10:30 – 11:00am



UAHS 3117

Advancements in Preclinical Imaging with Photoacoustics and Ultra-high to Low Frequency Ultrasound Technology

Sarah Burris, PhD—Global Leader, Scientific Affairs, FUJIFILM VisualSonics

Morning Break (11:00 – 11:15am)

11:15 – 11:40am



UAHS 3117

Microbubbles and Phase Change Contrast Agents: It's not just for imaging anymore!

Terry O Matsunaga, PhD – Professor, Medical Imaging - (Research Scholar Track) College of Medicine Phoenix, Adjunct Professor Biomedical Engineering, Arizona College of Medicine

11:40 – 12:05pm



UAHS 3117

Reflection-mode Photoacoustic Imaging in the SWIR: Advances in the Deep Tissue Detection of Lipids

Chris Salinas—PhD. Candidate, College of Optical Sciences, University of Arizona

Roundtable Discussion/Overflow Questions (12:05 – 12:15pm)**Lunch (12:15 – 1pm) UAHS 3117**

1:00 – 1:25pm



UAHS 3117

Blood Flow and Oxygen Mapping Following Stroke and Traumatic Brain Injury

Beth Hutchinson—Assistant Professor of Biomedical Engineering, University of Arizona

1:25 – 1:50pm



UAHS 3117

Advanced Ultrasound and Photoacoustic Imaging: Opportunities for Collaboration at UofA

Dr. Russell S. Witte, PhD—Professor, Medical Imaging, Biomedical Engineering, Optical Sciences, Surgery, and Neurosurgery
University of Arizona

Animal Imaging Review and Move to TBIR (1:50 – 2:00pm)

Live Imaging Demonstration BSRL #26 (2:00 – 5:00pm)



BSRL #26

Live Imaging Demonstration with the Vevo F2 LAZR-X

Anna St. Lorenz, PhD—Scientific Applications Specialist, FUJIFILM VisualSonics

2:00 – 3:00pm

Oncology (SubQ) imaging

3:00 – 4:00pm

Cardiac Imaging

4:00 – 5:00pm

Abdominal imaging (special focus on kidney)

Agenda Overview (Day 2): Live Imaging

Imaging Facility: BSRL #26 (9:00 – 3:00pm)



BSRL #26

Live Imaging Demonstration with the Vevo F2 LAZR-X

Anna St. Lorenz, PhD—Scientific Applications Specialist, FUJIFILM VisualSonics

9:00 – 10:00am Liver fibrosis imaging

10:00 – 11:00pm Neuro/stroke imaging

11:00 – 12:00pm Spinal cord injury imaging

Lunch Break (12:00 – 1:00pm)

1:00 – 2:00pm Lymphatic imaging (rat)

2:00 – 3:00pm Renal cysts (rat)

Q&A + Workshop Wrap Up