

MSOT SYMPOSIUM

SEPTEMBER 12, 2017

We welcome MSOT users and scientists interested in the preclinical and clinical use of MSOT to participate in a one-day meeting.

(complimentary participation, limited number of seats available to registrants on a first-come, first-serve basis)

Tuesday, September 12th | Suzanne Roberts Theatre
480 S. Broad Street, Philadelphia, PA



Find out more and sign up here:
ithera-medical.com/events

iTheraMedical
Listening to Molecules

International scientists present how they use MSOT (Multispectral Optoacoustic Tomography) and RSOM (Raster Scanning Optoacoustic Mesoscopy) for their biomedical research.

Photo-/Optoacoustics is an emerging field of biomedical imaging. This symposium offers a range of diverse academic talks to educate scientists and clinicians about the value that MSOT and RSOM can bring to their research. The forum gives an opportunity to open dialog for collaboration and advancement within the field.

AGENDA MSOT SYMPOSIUM 2017

09:00 – 09:30 am	REGISTRATION
09:30 – 10:20 am	INTRODUCTION AND MSOT OVERVIEW
09:30 – 09:40 am	Christian Wiest (iThera Medical): Welcome and introduction
09:40 – 10:00 am	Daniel Razansky (Helmholtz Center Munich): Multi-scale optoacoustic imaging of fast <i>in vivo</i> dynamics
10:00 – 10:20 am	Kun Wang (Institute of Automation, Beijing): The comparison and combination of MSOT with other molecular imaging modalities
10:20 – 11:20 pm	IMAGING TUMOR GROWTH AND PHYSIOLOGY
10:20 – 10:40 am	Richard Bouchard (MD Anderson Cancer Center): MSOT-based SO ₂ assessment of femoral bone marrow in a murine model of leukemia
10:40 – 11:00 am	Michal Tomaszewski (University of Cambridge): Revealing tumor vascular function using MSOT
11:00 – 11:20 am	Pete Panizzi (Auburn University): MSOT imaging of tumor progression in murine models ranging from simple subcutaneous xenografts towards detection of deep tissue metastases in BL6 melanoma
11:20 – 11:40 am	COFFEE BREAK
11:40 – 12:40 pm	QUANTIFICATION AND QUALITY ASSURANCE FOR OPTOACOUSTIC IMAGING
11:40 – 12:00 pm	Michal Tomaszewski (University of Cambridge): Evaluation of precision in optoacoustic tomography for preclinical imaging in living subjects
12:00 – 12:20 pm	Marty Pagel (MD Anderson Cancer Center): Setting the standard for optoacoustic imaging: phantoms and calibrations
12:20 – 12:40 pm	Christian Wiest (iThera Medical): Methods and materials for characterizing, calibrating and certifying an MSOT medical device
12:40 – 01:40 pm	LUNCH
01:40 – 03:00 pm	MONITORING TUMOR THERAPY
01:40 – 02:00 pm	Lacey McNally (Wake Forest): Nanotargeted therapy for pancreatic cancer using MSOT
02:00 – 02:20 pm	Ralph Mason (UT Southwestern): MSOT reveals acute effects of therapeutic interventions
02:20 – 02:40 pm	Katja Haedicke (Memorial Sloan Kettering Cancer Center): Monitoring vascular-targeted therapy using raster-scan optoacoustic mesoscopy (RSOM)
02:40 – 03:00 pm	Zach Houston (The University of Queensland): Understanding tumor micro-environment distribution and real-time therapeutic efficiency of nanomedicines using MSOT
03:00 – 04:00 pm	MEET THE SPEAKERS: INTERACTIVE SESSION
04:00 – 05:00 pm	CLINICAL MSOT AND RSOM IMAGING
04:00 – 04:20 pm	Neal Burton (iThera Medical): Overview on preliminary results of clinical MSOT studies
04:20 – 04:40 pm	Oshi Abeyakoon (University of Cambridge): Clinical translation of optoacoustic imaging in breast cancer
04:40 – 05:00 pm	Clinton Hupple (iThera Medical): Precision assessment of label-free psoriasis biomarkers via RSOM
05:00 – 05:15 pm	CLOSING REMARKS
05:15 – 07:00 pm	EVENING RECEPTION