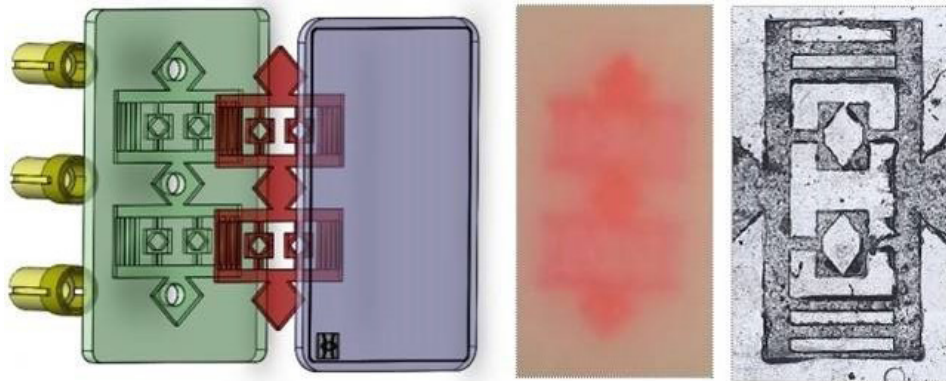


# 30<sup>th</sup> International SAOT Workshop

Functional Optical Imaging in Medical Engineering  
November 29–30, 2018



## Workshop Chair

Prof. Dr.-Ing. Michael Schmidt

Dr.-Ing. Florian Klämpfl

## Local Organizing Committee

Moritz Späth

Annika Kern

# Preliminary Program

## Thursday, November 29

8:15 Registration

8:45 Schmidt, Michael - Friedrich-Alexander Universität Erlangen-Nürnberg, Germany  
*Welcome and Opening Remarks*

9:00 Zalevsky, Zeev – Bar-Ilan University, Israel  
*Remote functional imaging of brain activity*

### 10:00 Coffee break

10:30 Jüstel, Dominik - Technische Universität München, Germany  
*Functional optical & optoacoustic imaging at IBMI/CBI - how to get the most out of your data*

11:30 Tuchin, Valery - Saratov State University, Russia  
*Tissue optics and optical clearing for functional imaging*

### 12:30 Lunch break

14:00 Huber, Robert - Universität zu Lübeck, Germany  
*Towards a combined MHz-OCT, 2-photon and Raman endoscope for functional 4D real time imaging*

15:00 Schmitt, Michael - Friedrich-Schiller-Universität Jena, Germany  
*Labelfree molecular spectroscopy for ex-vivo and in-vivo biomedical diagnostics*

### Evening Program (\*)

16:45 Departure of the bus to Bamberg in front of the Novotel, guided city tour followed by dinner

23:00 Arrival at the Novotel

(\*) Please indicate in the registration form if you wish to participate

## Friday, November 30

08:30 Randeberg, Lise Lyngsnes - University of Science and Technology, Norway  
*How can hyperspectral imaging be used as a tool for bioimaging?*

09:30 **Coffee break**

10:00 Hu, Song - University of Virginia, USA  
*Multi-parametric photoacoustic microscopy*

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11:00 Akkin, Taner - University of Minnesota, USA  
*Neural imaging with polarization-sensitive and phase-sensitive optical coherence tomography: Tractography & action potentials*

12:00 **Lunch break**

13:00 Koukourakis, Nektarios - Technische Universität Dresden, Germany  
*Adaptive and computational optics for biomedical applications*

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14:00 Friedrich, Oliver - Friedrich-Alexander Universität Erlangen-Nürnberg, Germany  
*Structure meets function: Multiphoton imaging approaches and tailored technologies for biomedical sciences*

**End**

## Contact Person:

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## Conference Venue:

Hotel Novotel

Hofmannstraße 34

91052 Erlangen

## “Functional Optical Imaging in Medical Engineering“

