

International Conference on BioMedical Photonics

MONTPELLIER- LA GRANDE MOTTE, FRANCE
March 16-17, 2018

Hear the latest from leading experts on biomedical photonics research and technology:
Scientific sessions, Round table on education and Industrial section



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Conférence sponsorisée par EPR

Biomedical Photonics is the science established to bring an aide to the goals of modern medicine that is to understand the cause of diseases, to facilitate an early diagnosis of diseases, and to provide a specific effective treatment. Light plays a key role in turning this ambitious vision into reality. In biomedical research, modern optical and photonic techniques allow for monitoring and manipulating life processes in cells and tissues on a molecular level. But also in clinical practice, optical and photonic techniques are well established in many fields of medicine, like in ophthalmology, endoscopy, neurosciences or biomedical imaging. This explains why the last decade is marked by the exponential growth of photonic technologies applied to biology and health.

The objective of the conference is to exchange on the last years' achievements in the domain of the biomedical applications of various photonic tools spanning from molecules and cells manipulation to tissue and in-vivo studies. Photonic methods include amongst others Raman, fluorescence, non-linear optics, multiphoton, phase imaging, optical coherence tomography, endoscopic microscopy etc.

TOPICS

1. Scientific sessions:

- Photonics for diagnostics and therapy
- Photonics for imaging
- Materials, markers and molecular probes for photonic imaging
- Lasers for health
- Neurophotonics and Optogenetics.

2. Round table: Education in biomedical photonics

3. Industrial section: short slots on photonic technologies

INTERNATIONAL SPEAKERS

- Dr. Guillaume Baffou - Inst. Fresnel Marseille, France
- Dr. Edouard Bertrand - Regional Montpellier RIO Imaging Platform, France
- Prof. Claude Boccara - Inst. Langevin – ESPCI Paris, France
- Dr. Charles Camp - NIST US Gaithersburg, USA
- Dr. Marcus Cicerone - NIST Gaithersburg, USA
- Prof. Kishan Dholakia – University of St. Andrews, UK
- Dr. Jean Olivier Durand - ICGM Montpellier, France
- Prof. Dr. Turgut Durduran – ICFO Barcelona, Spain
- Prof. Paul French – Imperial College of London, UK
- Prof. Sylvain Gigan - Lab. Kastler Brossel Univ. Pierre et Marie Curie Paris, France
- Prof. Isabelle Ledoux-Rak LPQM - Inst. d'Alembert - ENS Cachan, France
- Dr. Serge Monneret - Inst. Fresnel Marseille, France
- Prof. Francesco S. Pavone - LENS Sesto Fiorentino Italy
- Dr. Francesco Pedaci - CBS INSERM Montpellier, France
- Prof. Dr. Jürgen Popp - Leibniz IPHT Jena, Germany
- Dr. Hervé Rigneault - Inst. Fresnel Marseille, France
- Dr. Balázs Rózsa -Inst. of Experimental Medicine of the HAS Budapest, Hungary
- Prof. Michael Sailor - Univ of California San Diego, USA
- Dr. Jean-Baptiste Sibarita - IINS Univ de Bordeaux, France
- Prof. Dr. Ronald Sroka – University Hospital Munchen, Germany
- Dr. Nicolas Tricaud - INM INSERM Montpellier, France

REGISTRATION FEE *	Before 15 February 2018	Late registration
Researchers	300 EU	350 EU
Students	240 EU	260 EU

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192 avenue Jean Béné
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* Registration fee includes coffee breaks, lunch and gala dinner