ICBP 2020 - Preliminary Program Thursday - 16 April

08 :00	Registration / Poster Installation
08:30	Conference opening: Csilla Gergely, Jürgen Popp, Hervé Rigneault
	HOTONICS FOR IMAGING 1 aman, Multiphoton, Fluorescence, Photoacoustic, Brillouin
Ch	nair: Csilla Gergely
09:00	Biomedical Photonics - From Bench to Bedside Jürgen Popp Leibniz IPHT Jena, Germany
09:30	Multidimensional and super-resolved fluorescence imaging and high content analysis Paul French Imperial College London, United Kingdom
10:00	Label free nonlinear microscopy and endoscopy Hervé Rigneault Institut Fresnel, Marseille, France
10:30 –	11:00 Selected oral communications
Cc	offee break
Ch	nair: Jürgen Popp
11:30	Probing tissue biomechanics with novel Brillouin scattering spectroscopy
	Francesca Palombo University of Exeter, United Kingdom
12:00	Photoacoustic Imaging – Fundamentals to Clinical Applications James Joseph University of Cambridge, United Kingdom
12:30 –	13:00 Selected oral communications
13:00 –	14:30 Lunch break

PHOTONICS FOR IMAGING 2

Light-sheet, Phase, Multiphoton

Ch	air: Pau	l French
14:30		irections for wide field imaging Dholakia University of St Andrews, United Kingdom
15:00		tative phase microscopy by wavefront sensing Monneret Institute Fresnel, Marseille, France
15:30 -	16:00	Selected oral communications
16:00 –	17:00	Poster session 1. Coffee, Wine & Cheese
Ch	air: Kis ł	nan Dholakia
17:00	Illumin	aging at different scales using single-objective Selective Plane ation Microscopy (SPIM) aptiste Sibarita IINS, Université de Bordeaux, France
17:30		wn title upatto Ecole Polytechnique, Université Paris Saclay, France
18:00 -	18:30	Selected oral communications
18:30	Industi	rial section

Friday – 17 April

PHOTONICS FOR DIAGNOSTICS AND THERAPY 1		
Chair: Ronald Sroka		
08:30	Cardiovascular monitoring devices enabled by silicon photonics Roel Baets Ghent University, Belgium	
09:00	A fluorescence-based POCT device for immunosuppressant-drug monitoring in transplanted patients Ambra Giannetti IFAC CNR, Sesto Fiorentino, Italy	
09:30	Differential label-free optofluidic sensor based on polymeric microresonators for biochemical sensing Isabelle Ledoux-Rak LPQM, CNRS ENS Paris-Saclay, Cachan, France	
10:00 -	10:45 Selected oral communications	
Co	offee break	
Cł	nair: Turgut Durduran	
11:15	Innovative Spectroscopy Devices for Rapid Point-of-Care Diagnostics Ronald Sroka University Hospital München, Germany	
11:45	Nanodiamond orientation sensing for applications in soft matters Quan Li The Chinese University of Hong Kong	
12:15 –	13:00 Selected oral communications	
13:00 -	14:30 Lunch break	

NI	EUROPHOTONICS		
Chair: Balázs Rózsa			
14:30	Morpho functional imaging of the brain Francesco S. Pavone LENS - Univ Florence, Sesto Fiorentino, Italy		
15:00	3D optical imaging of tissue dynamics: From Label-free characterization of biopsies towards functional imaging of neural tissues Olivier Thouvenin Institute Langevin - ESPCI Paris, France		
15:30	Fast imaging of neuronal activity in freely-behaving mice using a confocal fiberscope Cathie Ventalon IBENS, ENS CNRS, Paris, France		
16:00 –	- 16:30 Selected oral communications		
16:30 –	- 17:30 Poster session 2. Coffee, Wine & Cheese		
Ch	hair: Olivier Thouvenin		
17:30	Visual restoration by 3D imaging and 3D photostimulation in large volumes in vivo Balázs Rózsa IEM, HAS, Budapest, Hungary		
18:00	Cerebral blood flow dynamics as a biomarker of brain injury in ischemic stroke Turgut Durduran ICFO Barcelona, Spain		
20:00	Gala dinner		

Saturday – 18 April

PHOTONICS FOR IMAGING 3 Raman, Super resolution			
Cł	Chair: Hervé Rigneault		
09:00	Towards Quantitative BioImaging with Self-Referencing Broadband Coherent Anti-Stokes Raman Scattering Charles Camp NIST, Gaithersburg, USA		
09:30	Developing a sensitive and rapid user-friendly BCARS microscope Xavier Audier Georgia Institute of Technology, Atlanta, USA		
10:00 –	10:45 Selected oral communications		
Co	offee break		
Cł	nair: Cathie Ventalon		
11:30	Lipid seggregation during HIV-1 assembly using live cell super resolution nanoscopy Delphine Muriaux IRIM, CNRS, Université de Montpellier, France		
12:00	Looking at GPCR structure, dynamics and interactions with single molecule fluorescence Emmanuel Margeat CBS, Montpellier, France		
12:30 -	13:00 Selected oral communications		
13:00 -	14:30 Lunch break		

PHOTONICS FOR DIAGNOSTICS AND THERAPY 2

Chair: Isabelle Ledoux-Rak		
ti	Multidirectional spectroscopic detection of inflamed and cancer cells in issues Kamilla Malek Jagellonian University, Kraków, Poland	
n	Reconfigurable optical and acoustic traps for the contact-free manipulation of cell clusters Monika Ritsch-Marte Medical University of Innsbruck, Austria	
15:30 – 16	6:30 Selected oral communications	
16:30 – 17	7:00 Coffee, Wine & Cheese	
17:00 R	Round table General Assembly	
18:00 C	Closing Ceremony – Poster prizes	
	Montpellier by night Guided tour in the historical center of Montpellier	