ICBP 2022 - Preliminary Program Thursday - 2nd of June

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
Сс	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 Dundee, United Kingdom
12:30 –	13:00 Selected oral communications
13:00 –	14:30 Lunch break

PHOTONICS FOR IMAGING 2

Light-sheet, Phase, Multiphoton

Ch	nair: Pa u	ll French
14:30		irections for wide field imaging Dholakia University of St Andrews, United Kingdom
15:00	,	itative 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	nair: Kis l	nan Dholakia
17:00	Illumir	aging at different scales using single-objective Selective Plane nation Microscopy (SPIM) aptiste Sibarita IINS, Université de Bordeaux, France
	Jean D	aptiste sibarita 11145, Offiversite de Bordedax, France
17:30	Fast m	ultiphoton microscopy using light-sheet illumination
	Willy S	Supatto Ecole Polytechnique, Université Paris Saclay, France
18:00 -	18:30	Selected oral communications
18:30	Indust	rial section

Friday – 3rd June

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	

N	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	
Cł	nair: 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 – 4th of June

PHOTONICS FOR IMAGING 3 Raman, Super resolution		
Chair: Hervé Rigneault		
09:00	Developing a sensitive and rapid user-friendly BCARS microscope Xavier Audier Georgia Institute of Technology, Atlanta, USA	
09:30	Towards Quantitative BioImaging with Self-Referencing Broadband Coherent Anti-Stokes Raman Scattering Charles Camp NIST, Gaithersburg, USA	
10:00 -	10:45 Selected oral communications	
Co	offee break	
Ch	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				
14:30	Multidirectional spectroscopic detection of inflamed and cancer cells in tissues Kamilla Malek Jagellonian University, Kraków, Poland			
15:00	Reconfigurable optical and acoustic traps for the contact-free manipulation of cell clusters Monika Ritsch-Marte Medical University of Innsbruck, Austria			
15:30 –	16:30 Selected oral communications			
16:30 –	17:00 Coffee, Wine & Cheese			
17:00	Round table General Assembly			
18:00	Closing Ceremony – Poster prizes			
20:00	Montpellier by night Guided tour in the historical center of Montpellier			