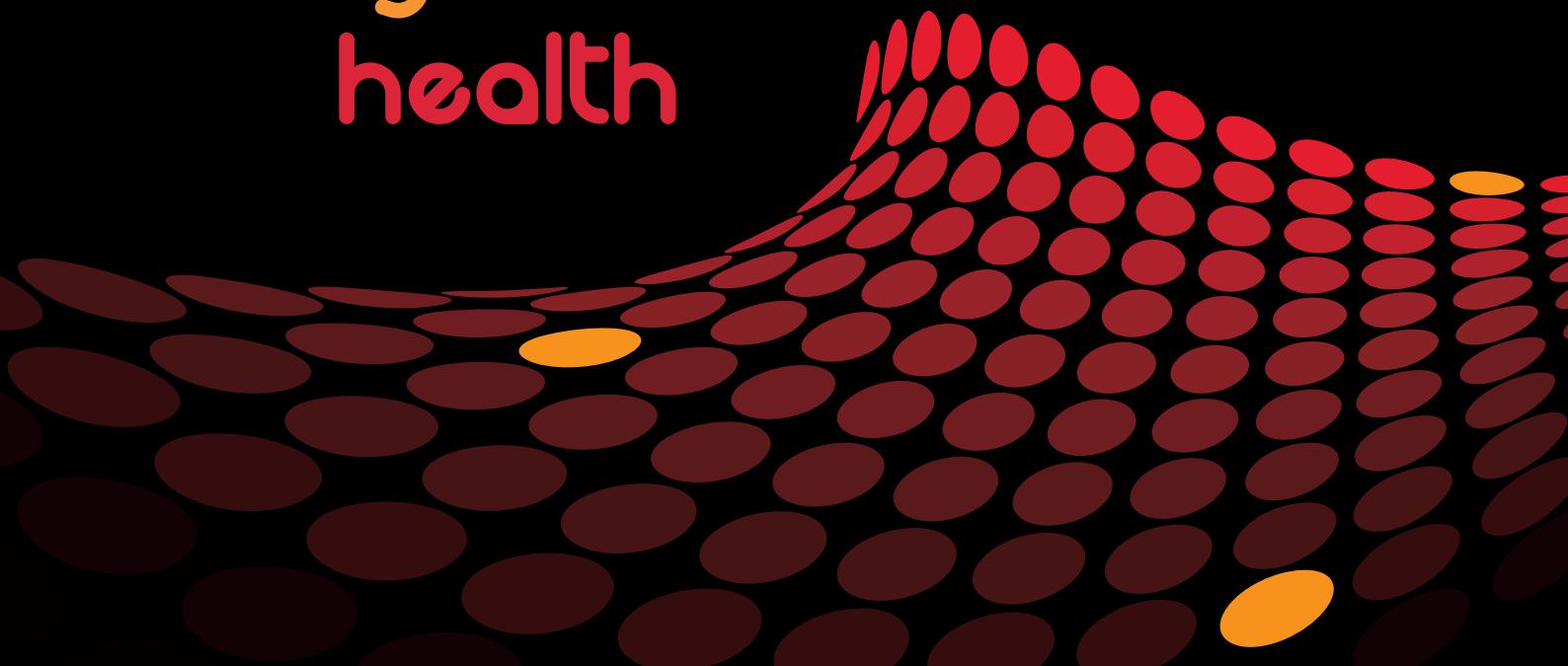


ICFO Barcelona May 30|31, 2011





Monday, May 30 Light for Neurology and Neurosciences

09.30 Registration and Welcome coffee

10.00 Welcome Address

Morning Session: Photonics in Neurology and Neuroscience

10.05 **Session 1: Opportunities and Challenges for Diffuse Optics in the Clinic**
John Detre (University of Pennsylvania, USA)

10.50 **Session 2: Shedding light on the human body: the use of near infrared spectroscopy to monitor tissue oxygenation, haemodynamics and metabolism**
Clare Elizabeth Elwell (University College London, UK)

11.35 COFFEE BREAK, POSTER SESSION & SPONSOR EXHIBITION

12.10 **Session 3: Energetics of Brain Activation and the Role of Optics**
David Boas (Massachusetts General Hospital, USA)

12.55 **Session 4: *In vivo* imaging of axon degeneration**
Thomas Misgeld (Technical University of Munich, Germany)

12.40 NETWORKING LUNCH & SPONSORS EXHIBITION

Afternoon Session: Advanced Imaging in Neurology and Neurosciences

15.00 **Session 5: 2-Photon *In vivo* imaging of laser-mediated microlesions in the adult brain**
Vincenzo DePaola (Imperial College London, UK)

15.45 **Session 6: Sub-diffraction organization of post synaptic molecules in live neurons using high-density single molecule imaging**
Jean-Baptiste Sibarita (CNRS, France)

16.30 **Session 7: Imaging Beyond the Diffraction Limit**
Peter Drent (Nikon Instruments Europe, The Netherlands)

European Release of the N-STORM Super-resolution Microscope System by Nikon

17.00 COFFEE BREAK & SPONSORS EXHIBITION

Visit to the Super-resolution Light Microscopy & Nanoscopy (SLN) Lab (part 1)

Visit to the Nikon Center of Excellence in STORM

Poster session

19.30 L4H EVENT DINNER

Tuesday, May 31 Light for Oncology

Morning Session: Photonics in Oncology

09.30 **Session 1: Nanoplasmonics on Phospholipid Membranes**
Jochen Feldmann (Ludwig Maximilian University of Munich, Germany)

10.15 **Session 2: Plasmon nano-optics: Taming light and heat at the nanoscale for Oncology**
Romain Quidant (ICFO, Spain)

11.00 COFFEE BREAK, POSTER SESSION & SPONSOR EXHIBITION

11.35 **Session 3: Monitoring Tumor Resistance to Pharmacological Targeting of Angiogenesis in Cancer**
Oriol Casanovas (Catalan Institute of Oncology – IDIBELL, Spain)

12.20 **Session 4: *In Vivo* Cancer Therapy Monitoring with Diffuse Optics**
Regine Choe (University of Rochester, USA)

13.05 NETWORKING LUNCH & PRESS & MEDIA

Afternoon Session: Photonics in Oncology

14.45 **Session 5: Tumor-initiating cells in glioblastoma. Targeting the root of cancer**
Joan Seoane Suárez (Vall d'Hebron Institute of Oncology, Spain)

15.30 **Session 6: Infrared multiphoton microscopy to monitor tumor invasion and experimental therapy *in vivo***
Bettina Weigelin Radboud (Radboud University Nijmegen Medical Centre, The Netherlands)

16.15 **Session 7: To be announced**
Adela Ben-Yakar (University of Texas, USA)

17.00 COFFEE BREAK & SPONSORS EXHIBITION

Visit to the Super-resolution Light Microscopy & Nanoscopy (SLN) Lab (part 2)

Visit to the Nikon Center of Excellence in STORM

Poster session





For more information please contact
L4H@icfo.es or visit www.light4health-icfo.es



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