



Multiphoton Excitation Microscopy to Optical Nanoscopy, Biophotonics and their applications.

29th-30th Nov 2017 - Palais du Pharo – Marseille – France

TENTATIVE PROGRAM

Wednesday 29th November 2017

8 :45 – 9 :00

Welcome and foreword : Peter VOGT - Coherent

9 :00 – 9 :30

Rosa COSSART – INMED Marseille - Imaging cortical dynamics in the awake mouse

9 :30 – 10 :00

Benjamin JUDKEWITZ – CHARITE Berlin - Deep imaging with time-reversed light.

10:00 – 10:30 *Coffee break*

10:30 – 11:00

Sophie BRASSELET – Institut Fresnel - Structural imaging in cells and tissues using polarized microscopy

11:00 – 11:30

Roland NITSCHKE– Univ Freiburg – Freiburg - Multi-purpose, intelligent image recording, using the zen macro library



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11:30 – 12:00

Stéphane GUEGUEN– LEICA-Microsystems - Full spectral freedom for multi-color, deep imaging experiments: SP8 DIVE

12:00 – 13:30 *Lunch and Poster session*

13:30 – 14:00

Thomas BOCKLITZ – Univ Jena – Jena - Non-linear multimodal imaging combined with image analysis methods for tissue diagnostics

14:00 – 14:30

Marco MARANGONI- Politecnico di Milano - Broadband stimulated Raman scattering microscopy

14:30 – 15:00

Noel CONVERSE – Carl Zeiss - Beyond the limits, ultra-deep imaging

15:00 – 15:30 - *Coffee break*

15:30 – 16:00

Ingo RIMKE – APE – Berlin - Shot noise limited two picosecond fiber laser based light source for coherent Raman microscopy

16:00 – 16:30

Marloes GROOT - Vrije Univ Amsterdam – Amsterdam - Higher harmonic generation imaging for instant pathology

16:30 – 17:00

Leonardo SACCONI – LENS – Firenze - Morphofunctional investigation of cardiac conduction: from single cell to whole heart



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17:00 – 17:30

Hervé RIGNEAULT – Institut Fresnel – Marseille – Coherent Raman microscopy and endoscopy

19:30-22:30 Conference Dinner : La Nautique 20 Quai de Rive Neuve, pavillon Flottant de la SNM, 13007 Marseille

Thursday 30th November 2017

9 :00 – 9 :30

Sylvie ROKE – EPFL Lausanne - Multimodal label-free low fluence multiphoton imaging of neurons with high throughput

9 :30 – 10 :00

Emmanuel BEAUREPAIRE – Ecole Polytechnique – Palaiseau - Multicolor multiphoton imaging of developing and brain tissue

10:00 – 10:30 *Coffee break*

10:30 – 11:00

Franck DEBARBIEUX – Aix-Marseille Univ – Marseille - Intravital dynamic non linear microscopy to characterize the neuromodulatory role of inflammation in the diseased CNS of mice

11:00 – 11:30

Alberto DIASPRO – IIT Genova - Converging approaches to Nanoscale Optical Microscopy



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11:30 – 12:00

Michel BIOCCO – Bruker - Bruker SLM opens new dimensions in optogenetics

12:00 – 13:00 *Lunch*

13:00 – 13:30

Marco ARRIGONI

“Products and technology updates for non-linear imaging” – Coherent – Santa Clara

13:30 – 14:00

Jean-Christophe OLIVO-MARIN – Institut Pasteur - Mathematical microscopy

14:00 – 14:30

Eric HOSY – Univ Bordeaux - Synaptic transmission properties are tightly controlled by AMPAR nanoscale organization

14:30 – 15:00

Valentina EMILIANI - Univ Paris Descartes Paris - Two photon optogenetics with millisecond temporal precision and single cell resolution

15:00 - 15:30 *Coffee break*

15:30 – 16:00

Jérôme WENGER – Institut Fresnel – Marseille - Nanoscopic domains in biological lipid membranes resolved by plasmonic nanoantennas

16:00 – 16:30

Didier MARGUET – CIML - Marseille - Exploring the coordinated spatial organization of cellular processes by nanoscopy

16:30 – 16:50

Celine DAMON – Aix Marseille Univ - EU H2020 fundings – How to fund your research ?

16:50 – 17 :00– WrapUp



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