

### Sunday 11th September

15:00 20:00 Arrival

### Monday 12th September

|       |       |  |  |
|-------|-------|--|--|
| 9:00  | 9:30  | Organizers, OAC.                           | Opening Remarks  |
| 9:30  | 10:15 | <b>Lutz Kracht</b> (U. of Cologne)         | Present and Future of Molecular Imaging  |
| 10:15 | 11:00 | <b>Robert Müller</b> (U. of Mons-Hainaut)  | Magnetic Resonance Imaging   |
| 11:00 | 11:30 | Coffee Break                               |  |
| 11:30 | 12:15 | <b>Silvio Aime</b> (U. of Torino)          | New Magnetic Probes  |
| 12:15 | 13:00 | <b>Marleen Verhoye</b> (U. of Antwerp)     | Imaging the Central Nervous System   |
| 13:00 | 14:00 | Lunch                                      |  |
| 14:00 | 15:30 | Free Discussions                           |  |
| 15:30 | 16:15 | <b>Miguel Torres</b> (CNB – CSIC)          | Developmental Biology using OPT  |
| 16:15 | 17:00 | <b>Mark Neil</b> (Imperial College London) | Optical Microscopy   |
| 17:00 | 17:45 | <b>Konstantin Lukyanov</b> (IBCH – Moscow) | Fluorescent Proteins   |
| 17:45 | 18:00 | Coffee Break                               |  |
| 18:00 | 18:45 | <b>Neils Galjart</b> (Erasmus University)  | Applications of Molecular Imaging: visualization of microtubule dynamics in mouse testis in health and disease |
| 18:45 | 19:30 | <b>Jens Stein</b> (Univ. of Bern)          | Intravital Microscopy  |
| 20:00 | 0:00  | Cretan Night                               |  |

### Tuesday 13th September

|       |       |  |  |
|-------|-------|--|--|
| 9:30  | 10:15 | <b>Bertrand Tavitian</b> (CEA - SHFJ)      | Nuclear imaging (PET/SPECT)                |
| 10:15 | 11:00 | <b>Frédéric Dollé</b> (CEA)                | Short-lived positron-emitting radiotracers |
| 11:00 | 11:30 | Coffee Break                               |  |
| 11:30 | 12:15 | <b>Michael Schäfers</b> (U. of Münster)    | Radionuclide Imaging in Atherosclerosis    |
| 12:15 | 13:00 | <b>Christoph Bremer</b> (Univ. of Münster) | Optical Methods in Breast Cancer           |
| 13:00 | 14:00 | Lunch                                      |  |
| 14:00 | 14:30 | Free Discussions                           |  |
| 14:30 | 16:00 | Hands on Session                           |  |
| 16:00 | 20:00 | Beach                                      |  |
| 20:30 | 21:30 | Dinner                                     |  |

### Wednesday 14th September

|       |       |  |  |
|-------|-------|--|--|
| 9:30  | 10:15 | <b>Juan Jose Saenz</b> (Univ. Autónoma Madrid) | Principles of Scanning Force Microscopy                |
| 10:15 | 11:00 | <b>Claire Wyman</b> (Erasmus Med. Center)      | Imaging DNA-protein complexes and molecular mechanisms |
| 11:00 | 11:30 | Coffee Break                                   |  |
| 11:30 | 12:15 | <b>Joseph Papamatheakis</b> (IMBB - FORTH)     | Introduction to Gene Regulation                        |
| 12:15 | 13:00 | <b>Dorus Gadella</b> (U. of Amsterdam)         | Cellular Imaging                                       |
| 13:00 | 14:00 | Lunch  |  |
| 14:00 | 14:30 | Free Discussions                               |  |
| 14:30 | 16:00 | Hands on Session                               |  |
| 16:00 | 16:15 | Coffee Break                                   |  |
| 16:15 | 17:00 | <b>Paul French</b> (Imperial College London)   | Multidimensional Fluorescence Imaging                  |
| 17:00 | 17:45 | <b>Maria Carmo-Fonseca</b> (Univ. Lisbon)      | Photobleaching Approaches (FRAP, FLIP)                 |
| 17:45 | 18:00 | Coffee Break                                   |  |
| 18:00 | 18:45 | <b>Dorus Gadella</b> (U. of Amsterdam)         | Principles of FRET                                     |
| 18:45 | 19:30 | <b>Carsten Schultz</b> (EMBL)                  | Probe Design and Fluorescent Biosensors                |
| 20:00 | 21:00 | Dinner   |  |

### Thursday 15th September

|       |       |   |  |
|-------|-------|---|--|
| 9:30  | 10:15 | <b>Remi Carminati</b> (École Central Paris) | Principles of Light Propagation                          |
| 10:15 | 11:00 | <b>David B. West</b> (Xenogen)              | Bioluminescence Imaging                                  |
| 11:00 | 11:30 | Coffee Break                                |  |
| 11:30 | 12:15 | <b>Vasilis Ntziachristos</b> (CMIR – MGH)   | Whole Animal Optical Imaging                             |
| 12:15 | 13:00 | <b>Nicole Déglon</b> (CEA)                  | Construction of animal models for imaging                |
| 13:00 | 14:00 | Lunch                                       |  |
| 14:00 | 14:30 | Free Discussions                            |  |
| 14:30 | 15:15 | <b>James Sharpe</b> (HGU-MRC)               | Tomographic Approaches in Microscopy (OPT)               |
| 15:15 | 16:00 | <b>Nora de Clerck</b> (U. Antwerp)          | High Resolution X-ray micro-CT : biomedical applications |
| 16:30 | 20:30 | Visit to Chania                             |  |
| 21:00 | 22:00 | Dinner                                      |  |

### Friday 16th September

|       |       |  |  |
|-------|-------|--|--|
| 9:30  | 10:15 | <b>Clemens Lowik</b> (Leiden University)         | Optical imaging for experimental tumor detection         |
| 10:15 | 11:00 | <b>Pascal Laugier</b> (CNRS)                     | Ultrasound Imaging                                       |
| 11:00 | 11:30 | Coffee Break                                     |  |
| 11:30 | 12:15 | <b>Bertrand Tavitian</b> (CEA - SHFJ)            | Drug Development   |
| 12:15 | 13:00 | <b>Harald Carlson</b> (U. of Oslo)               | Optical imaging of endogenous transcriptional regulation |
| 13:00 | 14:00 | Lunch  |  |
| 14:00 | 14:30 | Free Time  |  |
| 14:30 | 16:10 | Workshop I                                       |  |
| 16:10 | 16:20 | Coffee Break                                     |  |
| 16:20 | 18:20 | Workshop II                                      |  |
| 18:20 | 18:30 | Coffee Break                                     |  |
| 18:30 | 19:15 | <b>Udo Birk</b> (Kirchhoff Institute of Physics) | Imaging Nuclear Complexes                                |
| 19:15 | 20:00 | <b>Dusan Bartsch</b> (CIMH)                      | Imaging and Manipulating Gene Expression in the Brain    |
| 20:30 | 0:00  | Farewell Dinner                                  |  |

### Saturday 17th September

|       |       |                 |  |
|-------|-------|-----------------|--|
| 10:00 | 14:00 | Trip to Knossos |  |
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