

WORKSHOP ON

PRECLINICAL SMALL ANIMAL IN VIVO IMAGING

Instituto de Medicina Molecular

Faculdade de Medicina, Universidade de Lisboa

13th October 2017

AIM AND SCOPE

This workshop brings together a multidisciplinary team of researchers and clinicians with expertise in different imaging-related techniques together with experts from MILabs, a leading company in the development of imaging equipment for preclinical studies and PMOD Technologies, providers of the leading software package for image quantitation with kinetic modelling.

It aims to highlight the relevance of preclinical small animal imaging to foster the translational potential of the research work undertaken by different partners involved in the biomedical field.

Local Organizing Committee

José Rino, IMM/FM/UL

António Paulo, C²TN/IST/UL

João Galamba Correia, C²TN/IST/UL

Venue

Auditorium 58, Piso 01

Edifício Egas Moniz (EEM)

Faculdade de Medicina da Universidade de Lisboa

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Full Program

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|------------------------|---|
| 10:00-10:10 | Welcome |
| Session 1 | |
| Plenary Lecture | |
| 10:10-11:00 | From Bench to Nuclear Medicine Clinical Practice: the Physicians's View <i>Ana Isabel Santos, Hospital Garcia de Orta (Portugal)</i> |
| 11:00-11:40 | Molecular and Nanosized Probes for Nuclear Medicine Imaging and Theranostics <i>António Paulo, C²TN/IST/UL (Portugal)</i> |
| 11:40-12:20 | Magnetic resonance imaging of brain function and physiology <i>Patrícia Figueiredo, ISR-Lisboa/IST/UL (Portugal)</i> |
| 12:20-13:00 | Multiple ways of imaging human breast cancer xenografts and metastases in mice <i>Sandra Casimiro, IMM/FMUL (Portugal)</i> |
| 13:00-14:00 | Lunch |
| Session 2 | |
| Plenary Lecture | |
| 14:00-15:00 | Hexa-modal integrated sub-mm PET-SPECT, sub-quarter mm SPECT, high performance X-ray CT and Optical imaging <i>Freek Beekman, MIIILabs/TU Delft (Netherlands)</i> |
| 15:00-15:40 | Practical session: How to Use SPECT-CT systems from MIIILabs? Live video feed with preclinical imaging laboratory UMC Utrecht, The Netherlands <i>Ruud Ramakers, MIIILabs BV (The Netherlands)</i> |
| 15:40-16:40 | Practical session: How to perform post-processing and quantitation of preclinical imaging data? Remote desktop session by PMOD Technologies, Zurich, Switzerland <i>Geoff Warnock, PMOD Technologies Ltd. (Switzerland)</i> |
| 16:40-17:00 | Discussion |