V MEDITERRANEAN WORKSHOP ON ADVANCED MOLECULAR IMAGING

OROSEI
May 31 - June 4 2017

Multi Modality
and MultiParametric Imaging
in Advancing HealthCare
Wednesday May 31

Welcome addresses (8.30 – 9.15)

Introductory Session

- **R. Pettigrew** (director of the National Institute of Biomedical Imaging and Bioengineering (NIBIB)) “Multimodality/Multiparametric Imaging and Precision Medicine “(35’)

- **N. Petrick** (Center for Devices and Radiological Health, FDA) “FDA perspective of the role of FDA in the emerging field of precision medicine medical imaging” (35’)

Coffee break (10.25 – 10.55)

**B. Stowasser** (Sanofi, "Academic-Industry partnership: Can the IMI PPP model be extended/exported to medical imaging industry? EFPIA (European Federation of Pharmaceutical Industries and Associations)) (35’)

**D. Townsend** (National University of Singapore) “Trends in Imaging Science and Clinical Diagnosis “ (35’)

**Bernd Pichler** (Uni Tubingen) “Combining Multiparametric Imaging data with Omics Information for Precision Medicine” (35’)

Lunch Break (12.40 – 14.30)

“Theranostic and multimodality imaging” (TBD) (35’)

**M. Conti** (Siemens MI) “Challenges and trends in molecular imaging, an industry research viewpoint” (30’)


Coffee Break (15.35 – 16.05)

“Radiomics and Multimodality Imaging” (TBD) (35’)

“The role of radiotracers in modern diagnosis and expensive/advanced therapies” (TBD) (35’)

“How cost-effectiveness of a diagnostic medical imaging procedure is determined” (to be confirmed) (35’)

M. Paganoni (Univ di Milano) “ERAMIT” (15’)

“AIPES” (TBD) (20’)

Round Table (18.25 – 19.30)

on
the relation between academic/industry for the development of medical imaging and molecular imaging technologies

Outcome of the round table: The connection between these two sectors is loose.
A better organization and complementarity of actions is needed.
Thursday June 1

Brain Imaging
8:30 – 10:30

F. Orzi (Univ. La Sapienza – S. Andrea, Roma) “Neurodegenerative diseases” (TBC) (30’)

- V. Garibotto (univ. Of Geneva) “Multimodal/multiparameter imaging – main modalities and applications: link to biomarkers and personalized medicine” (30’)

M. Hoeln (Cologne, De) “Multimodal Imaging Approach for Cerebral Regeneration Studies” (30’)

M. Walter (Uni Tuebingen, Germany) “Multimodal Imaging in Psychiatry” (30’)

V. Sossi (University of British Columbia) “Brain Receptor Imaging” (30’)

Coffee Break (11.00 – 11.30)

11:30 – 13.00

C. Halldin (Karolinska-Stockolm, Sweden) “PET Radioligands for Neuroscience and Drug Developments” (30’)

- I. Rabiner (Immanova, UK) “Role of imaging in drug development: pre-clinical and clinical - what is required for cost effective clinical trials” (30’)

S. Majewski (Univ. of Virginia) “Dedicated PET brain imaging devices” (30’)

Lunch break (13.00 – 15.30)
Coffee Break with Posters (15.30 – 16.30)

P. Mattews (UCL, London) “Challenges and opportunities for brain imaging with large population datasets” (30’)

S. Sarasso (University of Milano, Italy) “Major brain initiatives” (30’)

Contributions (17.30 – 18.40)

Cont. 1 (25’)

Cont. 2 (25’)

Round table (18.40 – 19.40)

Outcome of round table: statement of current status and identification of major technical needs, synergistic collaborations and summary of recommendations.
Friday June 2

Cancer Session

Keynote Talk (8.30 - 9.05)

“Multimodality Imaging to Understand and Target Cancer and the Tumor Microenvironment” (TBD) (35’)

9.05 - Fast Timing for Molecular Imaging

P.Lecoq “FAST Project” (25’)

T.Jones (UCL) “EXPLORER Project” (TBD) (25’)

P.Maniawski (Philips) “Digital Photon Counting PET: technology powering precision molecular imaging” (25’)

Coffee Break (10.20 – 10.40)

Hamamatsu (TBC) (20’)

D.Shaart “Fast Timing” (20’)

C. Piemonte (FBK), “SiPm for Fast Timing” (TBC) (20’)

S. Tavernier (PetSys) “Electronics for Fast Timing” (20’)

Contribution 1 (20’)

Contribution 1 (20’)

Lunch Break (12.40 – 15.30)

Breast Cancer (15.30 – 19.30)

O. Schillaci  “The role of N.M. in breast cancer (imaging) management” (25’)

M.O’Connor  “Screening in women with single gamma (and PET) techniques” (25’)

“MR vs scintigraphy in breast cancer management” (TBD) (25’)

Coffee Break with posters (16.45 – 17.45)

M.Herrantz (Univ. S. de Compostela, Spain)  ”Dedicated Breast PET (dbPET) in Diagnosis and Follow Up of Breast Cancer. Comparison, sinergies and divergences with MRI” (25’)

“PET – MR dedicated detector for breast cancer diagnosis and follow up “ (TBD) (25’)

“A novel SPECT-Thomosyntesis detector for diagnosis and follow up of breast cancer” (TBD) (25’)

Contribution 1 (25’)

Contribution 2 (15’)

Saturday June 3

**Prostate Cancer (8.00 – 12.00)**

**T.Maurer** (TUM, Munich, De) “Shifting Gears in Imaging – how PSMA-PET is about to change Prostate Cancer Diagnosis” (25’)

**V.Panebianco** (La Sapienza, Roma) “The role of multiparametric MR in the diagnosis and follow up of the prostate cancer”

**Long Coffee Break with Posters (9.20 – 10.20)**

**P.Lecoq** (CERN, Geneve) “TOF – PET – US in the diagnosis and follow up of prostate cancer” (25’)

“TOF – PET – MR in the diagnosis and follow up of the prostate cancer “ (TBD) (25’)

Cont. 1 (15’)
Cont. 2 (15’)

12.30 Excursion

19.30 Conference Dinner
Sunday June 4

Surgery (8.00 – 11.30)

H. Van der Pohel, (Nederland Cancer Institute, Amsterdam) “Multimodality imaging in surgery” (25’)

F. Van Leuven (LUMC, Nederland) “Multimodality surgery imaging techniques” (25’)

Coffee Break (8.50 -9.20)

P. Cerello (INFN, Torino) “Imaging in Hadron Therapy” (25’)

T. Maurer (TUM, Munich, DE) “PSMA-radioguided surgery – a novel technique for intraoperative detection of prostate cancer metastases” (20’)

Cont. 1 (20’)

Round table (11.55 – 12.45)

Outcome of the round table: Multimodality multiparametric imaging in cancer management. How can it be improved?
Closeout

Lunch (12.45-14.00)

Transportation to Olbia Airport (15.00)
V MEDITERRANEAN WORKSHOP ON ADVANCED MOLECULAR IMAGING

With support from