Wednesday May 31

Welcome addresses (8.30 – 9.00)

Introductory Session

R. Pettigrew, (director of the National Institute of Biomedical Imaging and Bioengineering (NIBIB)) (35’)

(TBD) FDA (35’)

Coffee break (10.10 – 10.40)

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

D. Townsend (National University of Singapore) “PET/CT and PET/MR for Precision Medicine: Some Alternative Facts" (35’)

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

Lunch Break with Posters (12.25 – 14.30)

Introductory Session (cont)

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

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

N. Navab “Multimodality Imaging techniques and beyond” (35’) (TBC)
Coffee Break (16.10 – 17.05)

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

“The role of radiotracers in modern diagnosis and expensive/advanced therapies” (TBD) (30’)

“How cost-effectiveness of a diagnostic medical imaging procedure is determined” (30’) (TBD)

Round Table (18.30 – 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 are needed.
Thursday June 1

Brain Imaging

8:30 – 10:30

“Neurodegenerative diseases” (TBD) (30’)

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

M. Walter (Uni Tuebingen, Germany) “Psychiatry and multimodality Imaging” (30’)

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

Coffee Break (10.30 – 11.00)

11:00 – 12.30

Chris Halldin (Karolinska-Stockolm, Sweden) “Radiotracer development – status, outstanding needs” (30’)

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

“Role of imaging in drug development: pre-clinical and clinical - what is required for cost effective clinical trials” (30’) (TBD)

“Developments in MRI, MEG and EEG” (30’) (TBD)

Lunch break (12.30 – 15.30)
15.30 – 16.30

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

Coffee Break  with Posters (16.30 – 17.00)

P. Matthews (UCL, London)  “Multimodal/multiparameter imaging: analysis methods”  (30’)

M. Massimini  (U. Milano, Italy)  “Major brain initiatives”  (30’)

Contributions (18.00 – 18.50)

Round table (18.50 – 19.30)

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’)

8.55 Fast Timing for Molecular Imaging

P.Lecoq  “FAST Project” (25’)

“EXPLORER Project” (TBD) (25’)

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

Coffee Break with Posters (10.20 – 11.20)

Hamamatsu (TBD) (25’)

C. Piemonte (FBK, Broadcom), “SiPM for PET - TOF” (TBC) (25’)

S. Tavernier  “Electronics for Fast Timing” (TBC) (25’)

Contribution 1

Lunch Break (12.35 – 15.30)
Breast Cancer (15.30 – 19.30)

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

“Screening in women with single gamma (and PET) techniques” (TBD) (25’)

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

Coffee Break with posters (16.45 – 17.45)

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

V. Schultz “PET – MR dedicated detector for breast cancer diagnosis “ (TBC) (25’)

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

Contribution 1 (20’)

Contribution 2 (20’
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” (35’)

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

Long Coffee Break with Posters (9.00 – 10.00)

T.Maurer (TUM, Munich, De) “PSMA-radioguided surgery – a novel technique for intraoperative detection of prostate cancer metastases”

P.Lecoq (CERN, Geneve) “TOF – PET – US in the diagnosis and follow up of pancreatic and prostate cancer” (20’)

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

Contribution 2 (15’)

12.30 Excursion

19.30 Conference Dinner
Sunday June 4

Surgery  (8.00 – 12.30)

Henk Van der Pohel,  (Nederland Cancer Institute, Amsterdam) “Multimodality imaging in surgery” (30’)

Fjis Van Leuven  (University of Leiden, Nederland) “Multimodality surgery imaging techniques” (30’)

“Image guided robotic surgery” (TBD) (25’)

Coffee Break  (9.25 -9.55)

SPECT/US  “Technique in surgery” (TBC) (20’)

“Imaging in Radiometabolic Therapy” (TBC) (20’)

Contribution 1 (20’)

Contribution 2 (20’)

Round table (11.55 – 12.45)

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

Lunch (12.45-14.00)

Transportation to Olbia Airport (15.00)