towards personalised medicine
european society of molecular and functional imaging in radiology

# Workshop PROGRAMME
# ESMOFIR – First Workshop on Clinical Functional Imaging
## July 3-5, 2014, Berlin/DE

## Workshop Venue
Maritim proArte
Friedrichstraße 151
10117 Berlin
Germany

## Thursday, July 3, 2014 | 12:00–17:15

12:00-12:45 General Assembly

**13:00–13:15** **START OF WORKSHOP**
Welcome and Introduction
N. Grenier, Bordeaux/FR
O. Clément, Paris/FR

**13:15-13:45** **PLENARY LECTURE 1**
Chair: N. Grenier, Bordeaux/FR

Radiogenomics for personalised medicine
G. Krestin, Rotterdam/NL

**13:45 - 15:15** **SCIENTIFIC SESSION 1**
**Biomarkers and their development**
Chair:
Chair:

13:45-14:05 Development and quantification of iron oxide based molecular MR probes
M. Taupitz, Berlin/DE
14:05-14:25 Functional imaging of the lungs
H.U. Kauczor, Heidelberg/DE
14:25-14:45 Imaging biomarkers in cancer
L. Fournier Paris/FR
14:45-15:05 Imaging biomarkers in cardiovascular diseases
tbc
15:05-15:15 Discussion

*15:15-15:45* *Coffee Break*

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**15:45-17:15** **PARALLEL WORKSHOP SESSION 1**

15:45-16:30 **Workshop 1: Live cases on DWI**
Data acquisition in clinical practice: Tips and tricks
F. De Keyzer, Leuven/BE
16:30-17:15 DWI for lesion detection, characterisation and response assessment
N. Tunariu, London/UK

15:45-16:30 **Workshop 2: Live cases on DCE**
DCE-CT
tbc
16:30-17:15 DCE-MRI
tbc

## Friday, July 4, 2014 | 08:30–17:15

**08:30-9:00** **PLENARY LECTURE 2**
Chair: K. Nikolaou, Munich/DE

Clinical MR-PET: a real breakthrough for the future?
A. Beer, Munich/DE

**09:00-10:30** **SCIENTIFIC SESSION 2**
**Analysing tissue micro structure with DWI**
Chair:
Chair:

09:00-09:25 Kidney
N. Grenier, Bordeaux/FR
09:25-09:50 Inflammatory bowel diseases
S. Taylor, London/UK
09:50-10:15 Whole Body
N. Tunariu, London/UK
10:15-10:30 Discussion

*10:30-11:00* *Coffee Break*

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**11:00- 12:30** **SCIENTIFIC SESSION 3**
**Analysing tissue microcirculation with DCE Imaging**
Chair:
Chair:

11:00-11:25 DCE-MRI
S. Sourbron, Leeds/UK
11:25-11:50 DCE-CT
Ch. A. Cuénod, Paris/FR
11:50-12:15 Contrast-Enhanced US
O. Lucidarme, Paris/FR
12:15-12:30 Discussion

**12:30-13:30** **SYMPOSIUM/LUNCH**

**13:30- 15:00** **SCIENTIFIC SESSION 4**
**Analysing tissue: Biology, PET and Molecular Imaging**
Chair:
Chair:

13:30-13:50 Tissue characterisation with MR-spectroscopy
T. Scheenen, Nijmegen/NL
13:50-14:10 Characterisation of neurological disorders
tbc
14:10-14:30 Biological characterisation of cardiovascular diseases
M. Schäfers, Muenster/DE
14:30-14:50 Tissue characterisation of cartilage
S. Trattnig , Vienna/AT
15:50-15:00 Discussion

*15:15-15:45* *Coffee Break*

**15:45-17:15** **PARALLEL WORKSHOP SESSION 2**

15:45-16:30 **Workshop 1: Live cases on DWI**
Data acquisition in clinical practice: Tips and tricks
F. De Keyzer, Leuven/BE
16:30-17:15 DWI for lesion detection, characterisation and response assessment
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|---|---|
| 15:45-16:30 | **Workshop 2: Live cases on DCE**<br>DCE-CT<br>tbc |
| 16:30-17:15 | DCE-MRI<br>tbc |

## Saturday, July 5, 2014 | 08:30–15:00

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|---|---|
| **08:30-9:00** | **PLENARY LECTURE**<br>Chair: O. Clément, Paris/FR<br><br>Imaging on many levels: potential scale of MI<br>F. Gallagher, Cambridge/UK |
| **09:00-10:30** | **APPLICATIONS SESSION 1**<br>**Breast**<br>Chair:<br>Chair: |
| 09:00-09:25 | Bi-RADS update<br>F. Sardanelli, Milan/IT |
| 09:25-09:50 | How mpMRI changes management of suspected/newly diagnosed patients<br>T. Helbich, Vienna/AT |
| 09:50-10:15 | How to apply contrast enhanced and spectral mammography<br>E. Fallenberg, Berlin/DE |
| 10:15-10:30 | Discussion |
| *10:30-11:00* | *Coffee Break* |
| **11:00 - 12:30** | **APPLICATIONS SESSION 2**<br>**Prostate**<br>Chair:<br>Chair: |
| 11:00-11:25 | mpMRI components – scientific basis of observations<br>P. Puech, Lille/FR |
| 11:25-11:50 | How mpMRI changes management of suspected/newly diagnosed patients<br>B. Hamm, Berlin/DE |
| 11:50-12:15 | Pi-RADS in practice – how to report and communicate mpMRI<br>M. Rothke, Heidelberg/DE |
| 12:15-12:30 | Discussion |

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**12:30-13:30** **SYMPOSIUM/LUNCH**

**13:30 - 15:00** **APPLICATIONS SESSION 3**

**Liver**

Chair:

Chair:

13:30-13:55 Gadoxetate-enhanced MRI for the assessment of liver function
H. Nilsson, Solna/SE

13:55-14:20 Assessment of hepatocellular carcinoma with functional MRI and PET
tbc

14:20-14:45 Magnetic resonance of liver fat and visceral adipose tissue
F. Schick, Tuebingen/DE

14:45-15:00 Discussion

**15:00** **END OF WORKSHOP**

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