



## Topics & Presentations

### HANDS-ON

to observe and practice selected aspects of patient imaging using PET/MRI (and MRI, PET/CT as required) by groups of clinicians/scientists who are new in the field of PET/MRI. Clinical case review and trouble shooting with experts. Software demonstrations by representatives of the industry.

### TUTORIALS

to provide basic and advanced know-how to scientists / students in small, interactive groups. Topics: MRI (physical principles, T1, T2, T2\* relaxation, contrast mechanisms, spatial encoding, sequence types, motion correction and functional imaging), PET (physical principles, detectors and detection methods, energy-, timing- and spatial resolution, sensitivity, data acquisition and processing), PET/MR (technology, correction methods and performance) and quantitative PET/MR (multi-parametric imaging and advanced image analyses).

### SCIENTIFIC LECTURES

to be given by designated experts who cover a spectrum of topics ranging from imaging instrumentation, clinical protocols and translational research.

### DIALOGUE BOARDS & ROUND-TABLE DISCUSSION

to share experiences among clinicians and scientists with extensive competence in the field of PET/MRI. Each session is divided into 3-4 short presentations given by key experts and a subsequent discussion. Topics: PET/MRI in oncology, neurology, pediatrics and cardiology, key applications, quantitative correction methods, evaluation and standardization.

### INDUSTRY FORUM

to highlight recent commercial development in the field of hybrid imaging.



## Registration Fee

The workshop is limited to a maximum of 60 attendees for Block I (Mo-We) and 100 attendees for Block II (We-Fri) (first come first serve).

Rates are listed for **students and residents\* / regular attendees** (academic institutions) / **companies**. The seat for the workshop is only guaranteed if payment or at least proof of payment is received no later than the due date specified for the individual rates.

\*proof required

**Early bird rate Block I (Mo-We):** 450 € / 600 € / 1200 €  
**Early bird rate Block II (We-Fri):** 350 € / 450 € / 900 €  
**Early bird rate Block I + II (Mo-Fri):** 640 € / 840 € / 1680 €  
 Registration until October 31, 2013  
 Payment until November 30, 2013

**Regular rate Block I (Mo-We):** 550 € / 700 € / 1400 €  
**Regular rate Block II (We-Fri):** 450 € / 600 € / 1200 €  
**Regular rate Block I + II (Mo-Fri):** 800 € / 1400 € / 2080 €  
 Registration after October 31, 2013 until January 31, 2013  
 Payment due on January 31, 2014

### THE REGISTRATION FEE INCLUDES:

- handout materials
- lunch, dinner and coffee breaks for all workshop days
- all cost for materials needed during the workshop

### METHODS OF PAYMENT:

- credit card
- wiring

### CANCELLATION FEES:

Cancellation by Nov. 15, 2013: 50 € + potential cost for transfer/wiring.  
 Cancellation by Jan. 15, 2014: 150 € + potential cost for transfer/wiring.  
 Cancellation after Jan. 15, 2014 is not possible and the full registration fee must be paid.

### REGISTRATION FORM:

Could be downloaded on our website [www.pet-mr-tuebingen.de](http://www.pet-mr-tuebingen.de)

**NOTE:** large portions of the workshop are held in radiation areas, where access for pregnant women is not permitted!

EBERHARD KARLS  
UNIVERSITÄT  
TÜBINGEN



## Event Details

### LOCATION:

The workshop takes place at the **Conference Center (building 520)** and the **Department of Radiology (building 420)**, both located on the "Schnarrenberg" („Berg" Hospitals).

University Department of Radiology  
 Hoppe-Seyler-Str. 3  
 72076 Tübingen  
 GERMANY

In Tübingen, please follow the signs to the „Crona-Kliniken" / „Berg-Kliniken".



### DIRECTIONS:

**By railway:** From Stuttgart central station to the centre of Tübingen (60 min).  
**By plane:** From Stuttgart airport (code: STR) by car via B27 to the centre of Tübingen (25 min), or by airport shuttle, „Airport Sprinter" No. 828 to Tübingen's bus terminal (50 min).  
**By car:** From the autobahn A8 (München-Stuttgart) via B27; from autobahn A81 (Singen-Heilbronn) via B28 (each 30 min).

### ACCOMMODATION & TRANSPORTATION:

Should you require hotel accommodation, we recommend that you make your reservation via Tübingen's citizens' advice bureau and tourist information office (Bürger- und Verkehrsverein Tübingen). Detailed information about the city and accommodation can be found on the official city portal: [www.tuebingen-info.de](http://www.tuebingen-info.de) or **Tel. +49 (7071) 9136-0**

### MORE INFORMATION:

For registration and further information please visit the website [www.pet-mr-tuebingen.de](http://www.pet-mr-tuebingen.de) or contact Ms. Walsh by email: [Tanja.Walsh@med.uni-tuebingen.de](mailto:Tanja.Walsh@med.uni-tuebingen.de)

Department of Radiology



## 3<sup>rd</sup> Tübingen PET/MR Workshop

Science – Technology – Application – Workflow

**Feb 17 - Feb 21, 2014**

[www.pet-mr-tuebingen.de](http://www.pet-mr-tuebingen.de)



# Invitation

Dear Colleagues,

It is our great pleasure to welcome you for the third year in a row to our Tübingen PET/MRI workshop. The program includes enough time for intensive discussions around the emerging technological advances of PET/MR and its implication in research and medicare. We invited internationally renowned experts from the fields of nuclear medicine, radiology and imaging science who will provide a platform for a vital exchange of experience and will help to indentify the future perspectives of PET/MRI. Round table discussions will target immediate questions in the realms of key-applications, workflow issues and technical challenges linked to this new technology. For colleagues new to the field of PET/MRI we provide a two-day hands-on training and reading with the expert sessions in small interactive groups, preceding the workshop. We very much hope that with this programme we can again address a very interdisciplinary audience of radiologists, nuclear medicine doctors, physicists, and basic scientists to initiate a lively exchange of views and vivid discussions.

**We are looking forward to welcoming you in Tübingen in February of 2014.**

**Bernd Pichler, PhD** on behalf of the Organizing Committee  
Preclinical Imaging & Radiopharmacy

**Claus Claussen, MD**  
Diagnostic & Interventional Radiology

**Roland Bares, MD**  
Nuclear Medicine

**Ulrike Ernemann, MD**  
Neuroradiology

**Klaus Scheffler, PhD**  
Biomedical Magnetic Resonance

**Christian la Fougère, MD**  
Clinical Molecular Imaging

## Organizing Committee

**Brigitte Gückel, PhD**  
PET/MR, Dept. of Radiology

**Bernd Pichler, PhD**  
Preclinical Imaging & Radiopharmacy

**Nina Schwenzer, MD**  
PET/MR, Dept. of Radiology

**Holger Schmidt, PhD**  
PET/MR, Dept. of Radiology

**Christina Pfannenber, MD**  
PET/CT, Dept. of Radiology

**Thomas Beyer, PhD**  
Physics & Molecular Imaging, Vienna

**Claus Claussen, MD**  
Clinical Director, Dept. of Radiology



## Program

The program is divided into two blocks which can be booked either separately or in combination: Block I (Mo-We) focuses on hands-on trainings, reading with the expert sessions and tutorials which will provide basic know-how in small, interactive groups. It is recommended for early adopters of the PET/MR technology and technicians. Block II (We-Fri) place emphasis on dialogue boards which will be opened by presentations by internationally renowned experts and flow into moderated discussions with the audience and the experts. On Wednesday, participants of both blocks will met in lectures summarizing advances in PET/MRI technology and application.

**Please visit [www.pet-mr-tuebingen.de](http://www.pet-mr-tuebingen.de) for updated "program at a glance"**

## Companion Program

Tübingen has a long history and many interesting sights, which are worth a visit. We have prepared a book guide with the most famous and most important sights of Tübingen and its surroundings ([www.pet-mr-tuebingen.de](http://www.pet-mr-tuebingen.de)). If you need any help in planning private tours we will be glad to assist you - please contact the registration desk during the workshop.

Accreditation of the workshop is applied for with the Landesärztekammer BaWü (LÄK) and the EACCME.



German Society of Nuclear Medicine



In cooperation with the academy for Continuing Medical Education in Radiology



## (Preliminary) Program at a Glance

Block I (Mo-We)					Block II (We-Fri)				
Time	Monday, 17 <sup>th</sup> February	Time	Tuesday, 18 <sup>th</sup> February	Time	Wednesday, 19 <sup>th</sup> February	Time	Thursday, 20 <sup>th</sup> February	Time	Friday, 21 <sup>th</sup> February
08:00	Welcome Breakfast & Registration <i>Block I</i>	08:00		08:00	Welcome Breakfast & Registration <i>Block II</i>	08:00		08:00	
08:30		08:30	<b>Tutorials</b>	08:30		08:30		08:30	
09:00	Welcome	09:00	TL1 MRI   TL2 PET   TL3 PET/MR   TL4 quant. PET/MR	09:00	Welcome	09:00	Lectures	09:00	Dialogue Board 4 Advanced PET/MRI - multiparametric imaging -
09:30	Lecture: PET/MR - Workflow	09:30		09:30	Lecture: 3 years PET/MR	09:30		09:30	
10:00		10:00	Coffee Break	10:00		10:00	Coffee Break	10:00	
10:30	Coffee Break	10:30	<b>Hands-On</b>	10:30	Coffee Break	10:30		10:30	
11:00	<b>Tutorials</b>	11:00	PET/MR   xx   xx   PET/MR	11:00		11:00	Dialogue Board 1 PET/MRI in Oncology	11:00	Coffee Break
11:30	TL1 MRI   TL2 PET   TL3 PET/MR   TL4 quant. PET/MR	11:30		11:30	Reading with the Experts & Software Solutions	11:30		11:30	Dialogue Board 5 PET/MRI in Pediatrics & Cardiology
12:00		12:00		12:00		12:00		12:00	
12:30		12:30		12:30		12:30		12:30	
13:00	Lunch	13:00		13:00	Lunch	13:00	Lunch	13:00	
13:30		13:30	Lunch	13:30		13:30		13:30	Coffee Break
14:00	<b>Hands-On</b>	14:00		14:00		14:00		14:00	Concluding Remarks
14:30	PET/MR   MRI   PET/CT   PET/MR	14:30	<b>Tutorials</b>	14:30		14:30	Dialogue Board 2	14:30	Snacks & Drinks / Lunch Packages End of the Workshop
15:00		15:00	TL1 MRI   TL2 PET   TL3 PET/MR   TL4 quant. PET/MR	15:00	Reading with the Experts & Software Solutions	15:00	Meet the Industry	15:00	Quantitative Correction Methods & Standardization
15:30		15:30		15:30		15:30		15:30	
16:00		16:00	Coffee Break	16:00	Coffee Break	16:00	Coffee Break	16:00	
16:30	Coffee Break	16:30	<b>Hands-On</b>	16:30		16:30		16:30	
17:00	<b>Tutorials</b>	17:00	PET/MR   xx   xx   PET/MR	17:00	Reading with the Experts & Software Solutions	17:00	Round-Table PET/MR Key Applications	17:00	Dialogue Board 3 PET/MRI in Neurology - brain tumors & neurodegenerative diseases -
17:30	TL1 MRI   TL2 PET   TL3 PET/MR   TL4 quant. PET/MR	17:30		17:30		17:30		17:30	Meetings for Members Only
18:00		18:00		18:00		18:00		18:00	
18:30	Welcome Reception	18:30		18:30		18:30	Wine & Cheese	18:30	
19:00		19:00	Snacks & Drinks	19:00		19:00	Congress Party	19:00	