

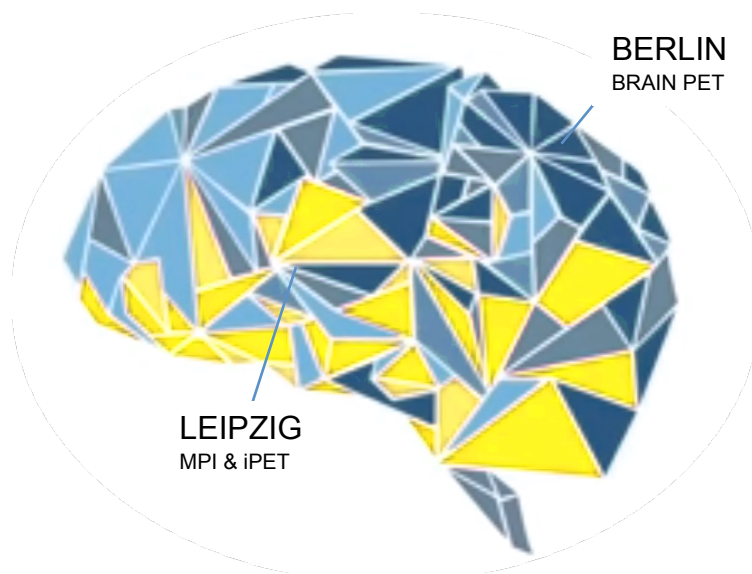


# BrainPET meets iPET.8 @ MPI

**April 6, 2017**

**Wilhelm Wundt Room**

Max Planck Institute for Human Cognitive and Brain Sciences  
Leipzig, Germany



Max Planck Institute for Human Cognitive and Brain Sciences Leipzig  
[www.cbs.mpg.de](http://www.cbs.mpg.de)

Department of Nuclear Medicine University of Leipzig  
[www.nuklmed.uniklinikum-leipzig.de](http://www.nuklmed.uniklinikum-leipzig.de)

Dear colleagues,

The upcoming Berlin BRAIN & BRAIN PET 2017 conference, held from April 1st – 4th, 2017 and organized by ISCBFM, will feature state-of-the-art neuroscience research in all fields of multimodal brain PET imaging (<http://www.brain2017.net/>).

Taking advantage of this unique opportunity to bring together leading scientists to present novel discoveries, the Max Planck Institute for Human Cognitive and Brain Sciences and the Department of Nuclear Medicine of the University of Leipzig have collaborated to organize a mini satellite symposium in Leipzig. Within the frame of this workshop, we have organized an exciting program of inspiring talks by local and international researchers, which we anticipate will incite fruitful discussions regarding brain function under physiological and pathological conditions through basic, translational and clinical investigation.

We look forward to seeing you at the workshop!

|                           |                                                                                                 |
|---------------------------|-------------------------------------------------------------------------------------------------|
| Prof. Dr. Osama Sabri     | Department of Nuclear Medicine, IFB Adiposity Diseases, University of Leipzig, *                |
| PD Dr. Julia Sacher       | Department of Neurology, Max Planck Institute for Human Cognitive and Brain Sciences Leipzig, * |
| Prof. Dr. Swen Hesse      | Department of Nuclear Medicine, IFB Adiposity Diseases, University of Leipzig, *                |
| Prof. Dr. Henryk Barthel  | Department of Nuclear Medicine, University of Leipzig, *                                        |
| Prof. Dr. Arno Villringer | Department of Neurology, Max Planck Institute for Human Cognitive and Brain Sciences Leipzig, * |

## Guest Speakers and Session Chairs

|                             |                                                                                                                                                                                                                                                                  |
|-----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Prof. Dr. Osama Sabri       | Department of Nuclear Medicine, IFB Adiposity Diseases, University of Leipzig, *                                                                                                                                                                                 |
| Prof. Dr. Arno Villringer   | Dept. of Neurology, Max Planck Institute for Human Cognitive and Brain Sciences Leipzig, *                                                                                                                                                                       |
| Prof. Dr. Swen Hesse        | Department of Nuclear Medicine, IFB Adiposity Diseases, University of Leipzig, *                                                                                                                                                                                 |
| PD Dr. Julia Sacher         | Dept. of Neurology, Max Planck Institute for Human Cognitive and Brain Sciences Leipzig, *                                                                                                                                                                       |
| Prof. Dr. Henryk Barthel    | Department of Nuclear Medicine, University of Leipzig, *                                                                                                                                                                                                         |
| Prof. Dr. Bradley Christian | Waisman Brain Imaging Lab, University of Wisconsin-Madison, USA                                                                                                                                                                                                  |
| Prof. Dr. Thomas Fritz      | Research group «Music Evoked Brain Plasticity» Dept. of Neurology, Max Planck Institute for Human Cognitive and Brain Sciences Leipzig, *; Empirical music research at the Institute for Psychoacoustics and Electronic Music (IPEM) University of Gent, Belgium |
| Dr. Vibe Frokjaer           | Neurobiology Research Unit, Dept. of Neurology and Copenhagen Mental Health Services<br>Copenhagen University Hospital, Denmark                                                                                                                                  |
| Prof. Dr. Harald Möller     | Methods & Development Group: Nuclear Magnetic Resonance (NMR), Max Planck Institute for Human Cognitive and Brain Sciences Leipzig, *                                                                                                                            |
| Julius Popp                 | Department of Nuclear Medicine, University of Leipzig, *                                                                                                                                                                                                         |
| Prof. Dr. Julie Price       | MGH Martinos Center for Biomedical Imaging, Harvard University, Boston, USA                                                                                                                                                                                      |
| Dr. Michael Rullmann        | IFB Adiposity Diseases, University of Leipzig, *                                                                                                                                                                                                                 |
| Prof. Dr. Dana Tudorascu    | Department of Medicine, University of Pittsburgh, UK                                                                                                                                                                                                             |
| Dr. Veronica Witte          | Dept. of Neurology, Max Planck Institute for Human Cognitive and Brain Sciences Leipzig, *                                                                                                                                                                       |

\* Germany

## PROGRAM

**9:15 – 9:30**

**Welcome – Coffee Reception**

**9:30 – 9:45**

**Osama Sabri & Julia Sacher Welcoming Speech**

### **SESSION A:** Sex Hormones and Serotonin

*Chairs:* Sabri, Price

| <i><b>Time</b></i> | <i><b>Speaker</b></i>        | <i><b>Talk Title</b></i>                                                                        |
|--------------------|------------------------------|-------------------------------------------------------------------------------------------------|
| 9:45 – 10:30       | Vibe Frokjaer & Julia Sacher | Sex Hormones and the Serotonin Transporter: A vulnerability model for depression.               |
| 10:30 – 11:15      | Brad Christian               | From the serotonergic system in non-human and human primates to cognitive decline and dementia. |
| 11:15 – 12:00      | Dana Tudorascu               | Statistical methods for neuroimaging studies of Alzheimer's disease and Down syndrome           |
| 12:00 – 12:45      | Michael Rullmann             | iPET.7 <a href="http://www.ipet-science.de">www.ipet-science.de</a>                             |

**12:45 – 14:00**

**LUNCH-BREAK**

### **SESSION B:** Cognitive Decline & Dementia

*Chairs:* Sacher, Hesse

| <i><b>Time</b></i> | <i><b>Speaker</b></i>       | <i><b>Talk Title</b></i>                                                           |
|--------------------|-----------------------------|------------------------------------------------------------------------------------|
| 14:00 – 14:45      | Julie Price                 | PET amyloid imaging, autopsy studies and how the dead continue to teach the living |
| 14:45 – 15:30      | Veronica Witte              | Lifestyle factors and the aging brain                                              |
| 15:30 – 16:15      | Henryk Barthel & Swen Hesse | Obesity and Alzheimer's disease – Waiting to be uncovered by PET/MRI?              |

**16:15 – 16:45**

**COFFEE-BREAK**

### **SESSION C:** iPET\_MR

*Chairs:* Barthel, Villringer

| <i><b>Time</b></i> | <i><b>Speaker</b></i> | <i><b>Talk Title</b></i>                                                                 |
|--------------------|-----------------------|------------------------------------------------------------------------------------------|
| 16:45 – 17:30      | Harald Möller         | Multimodal PET/MR Studies of Brain Function and Physiology - An Approach from MR Physics |
| 17:30 – 18:15      | Julius Popp           | Information flow matters...                                                              |
| 18:15 – 19:00      | Tom Fritz             | TBA                                                                                      |

**19:00**

**Dinner & Music – DJ Tom Fritz**

## Contact/Organization

Prof. Dr. med. Julia Sacher

Alyson Buchenau

Prof. Dr. med. Henryk Barthel

Prof. Dr. med. Swen Hesse

Tel.: 0341 9940-2409

Tel.: 0341 9940-2216

Tel.: 0341 9718082

Tel.: 0341 9718081

sacher@cbs.mpg.de

buchenau@cbs.mpg.de

Henryk.Barthel@medizin.uni-leipzig.de

Swen.Hesse@medizin.uni-leipzig.de

## Registration

Meals included for registered attendees.

To register, please contact Alyson Buchenau or Franziska Zientek:

Alyson Buchenau

Dipl.-Biol. Franziska Zientek

Tel.: 0341 9940-2216

Tel.: 0341 9718048

Fax: 0341 9718069

buchenau@cbs.mpg.de

franziska.zientek@medizin.uni-leipzig.de

We would like to thank the following sponsor: **GE Healthcare** 2.000,00 €



## Event Location

Max Planck Institute for Human Cognitive and Brain Sciences

Stephanstrasse 1A

D-04103 Leipzig

