

## Speakers

**Prof. Heidi Johansen-Berg**

*Wellcome Centre for Integrative Neuroimaging,  
University of Oxford, UK*

**Mihai Avram, PhD**

*Departments of Neuroradiology and Psychiatry, TUM*

**Jessica Calzà, MSc**

*Department of Neuroradiology, TUM*

**Gabriel Castrillon, MSc**

*Department of Neuroradiology, TUM*

**Sophia Grahl, MSc**

*Department of Neurology, TUM*

**Stephan Kaczmarz, Dipl-Phys.**

*Department of Neuroradiology, TUM*

**Prof. Markus Ploner**

*Department of Neurology, TUM*

**Son Ta Dinh, MSc**

*Department of Neurology, TUM*



Klinikum rechts der Isar  
Technische Universität München



## 7th Symposium of the TUM-Neuroimaging Center

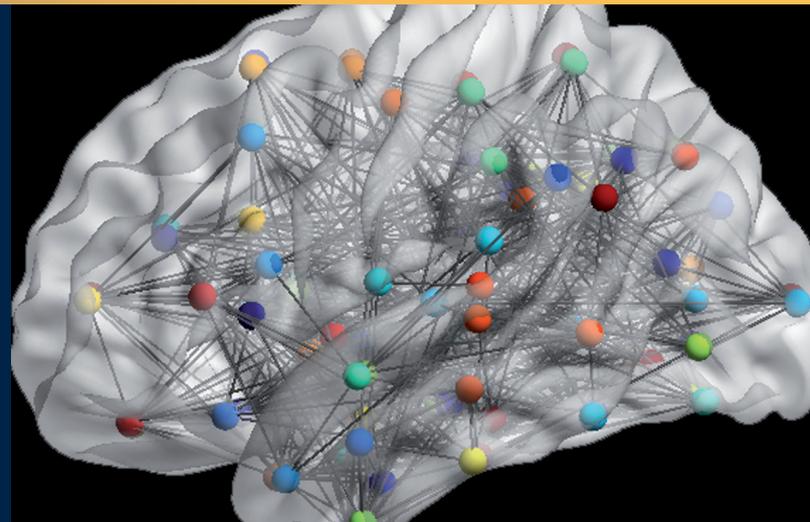
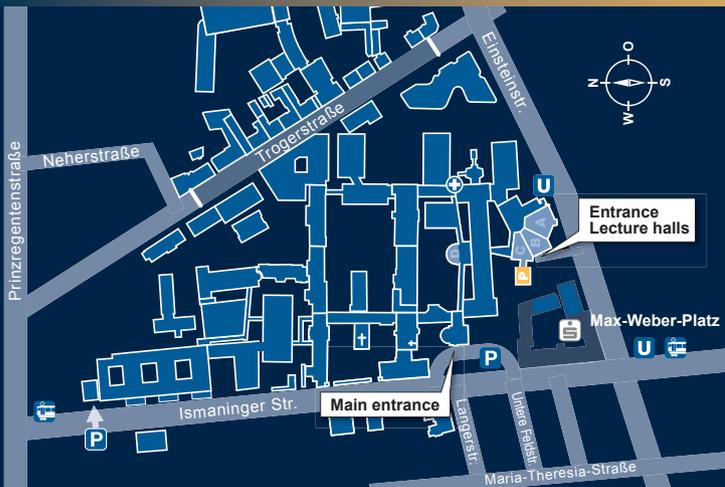
05.07.2018, 17–19 h  
Lecture Hall Pavillon

TUM-Neuroimaging Center

## Contact

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Dear colleagues,

we cordially invite you to the 7th Symposium of the TUM-Neuroimaging Center (TUM-NIC).

The symposium will provide an update on the progress of TUM-NIC and brief insights into recent research projects. Our students will highlight the broad variety of methods covered by clinical neuroimaging research and how these methods are used and integrated to further our understanding of neurological and psychiatric disorders. We are particularly pleased that the presentations will be complemented by a keynote lecture by Prof. Heidi Johansen-Berg who will discuss how brain plasticity can be assessed and modulated using brain imaging and brain stimulation techniques.

Best wishes

*Markus Ploner*

*Mark Mühlau*

*Valentin Riedl*

*Christian Sorg*

*on behalf of the TUM-Neuroimaging Center*

## Program

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### 17.00 Introduction

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*Prof. Markus Ploner*

*Department of Neurology, TUM*

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### 17.10 Short presentations

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#### **Decreased dopamine synthesis capacity in the striatum of patients with schizophrenia**

*Mihai Avram, PhD*

#### **Effects of gadolinium-based contrast agents on the human brain**

*Sophia Grahl, MSc*

#### **Brain functional integration indicates cortical spreading of brain stimulation effects**

*Gabriel Castrillon, MSc*

#### **Altered cortico-striatal functional connectivity in obsessive-compulsive disorder**

*Jessica Calzà, MSc*

#### **Uncoupling of blood flow-metabolism in patients with asymptomatic carotid artery stenosis**

*Stephan Kaczmarz, Dipl.-Phys.*

#### **Exploring intrinsic brain activity in chronic pain patients using EEG**

*Son Ta Dinh, MSc*

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### 18.00 Keynote lecture

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#### **Imaging and Stimulating Brain Remodelling**

*Prof. Heidi Johansen-Berg*

*Wellcome Centre for Integrative Neuroimaging,  
University of Oxford, UK*

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### 19.00 Reception

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