

## Speakers

**Prof. Nikolaus Weiskopf**  
*Max Planck Institute for Human Cognitive  
and Brain Sciences, Leipzig*

**Felix Brandl, MD**  
*Departments of Neuroradiology and Psychiatry, TUM*

**Christina Engl, MD**  
*Department of Neurology, TUM*

**Deniz Gürzel, MSc**  
*Department of Neuroradiology, TUM*

**Vanessa Hohn, BSc**  
*Department of Neurology, TUM*

**Stefan Kazmarz, MSc**  
*Department of Neuroradiology, TUM*

**Prof. Markus Ploner**  
*Department of Neurology, TUM*

**Lukas Utz, MSc**  
*Department of Neuroradiology, TUM*



Klinikum rechts der Isar  
Technische Universität München



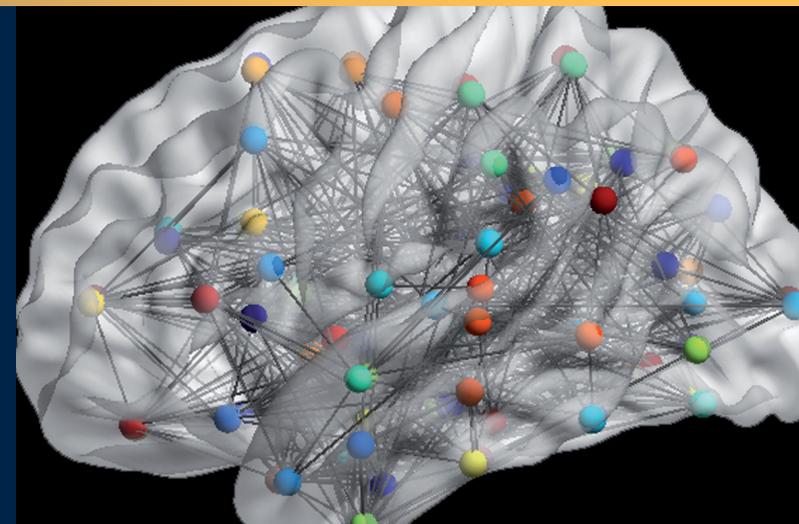
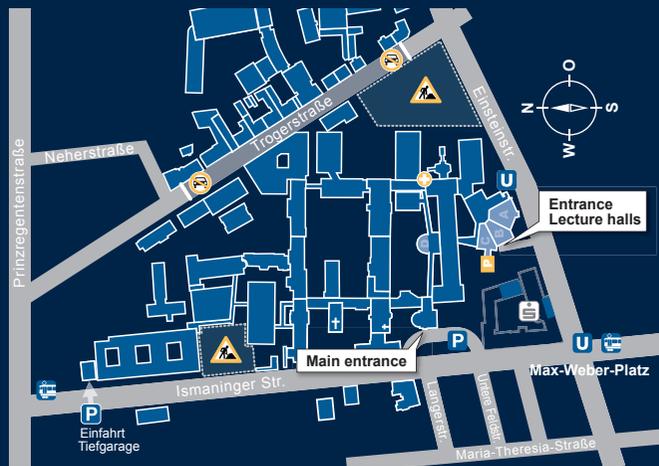
## 6th Symposium of the TUM-Neuroimaging Center

13.07.2017, 17–19 h  
Pavillon, Hörsaalgebäude

TUM-Neuroimaging Center

## Contact

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Dear colleagues,

we cordially invite you to the 6th 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. We 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. Nikolaus Weiskopf who will discuss most recent MRI approaches which provide non-invasive histological measures of brain tissue.

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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#### Update on the TUM-Neuroimaging Center (TUM-NIC)

*Prof. Markus Ploner*

*Department of Neurology, TUM*

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### 17.15 Short presentations

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#### The brain's energy efficiency is an indicator of evolutionary aging

*Lukas Utz, MSc*

#### Brain mediators of pain – How does the brain translate noxious stimuli into perception, behavior and autonomic responses?

*Vanessa Hohn, BSc*

#### Increased global interaction across functional brain modules during cognitive emotion regulation

*Felix Brandl, MD*

#### A meta-analysis of brain network organization in obsessive-compulsive disorder

*Deniz Gürzel, MSc*

#### Cerebral hypoperfusion and attention deficits in patients with asymptomatic carotid stenosis

*Stefan Kazmarz, MSc*

#### Cognitive Impairment in MS:

#### Are white matter lesions the main driver?

*Christina Engl, MD*

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### 18.00 Keynote lecture

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#### Characterizing brain microstructure using MRI – Towards in-vivo histology

*Prof. Nikolaus Weiskopf*

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

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### 19.00 Reception

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