

## Speakers

**Prof. Simon Eickhoff**

*Institute of Neuroscience, Heinrich Heine University  
Düsseldorf and Institute of Neuroscience and Medicine,  
Forschungszentrum Jülich*

**Matthias Bussas, Dipl.-Math.**  
*Department of Neurology, TUM*

**Samira Epp, MSc**  
*Department of Neuroradiology, TUM*

**Dennis Hedderich, Dr. med.**  
*Departments of Neuroradiology and Psychiatry, TUM*

**Jan Kufer, cand. med.**  
*Department of Neuroradiology, TUM*

**Elisabeth May, Dr. rer. nat.**  
*Department of Neurology, TUM*

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



Klinikum rechts der Isar  
Technische Universität München



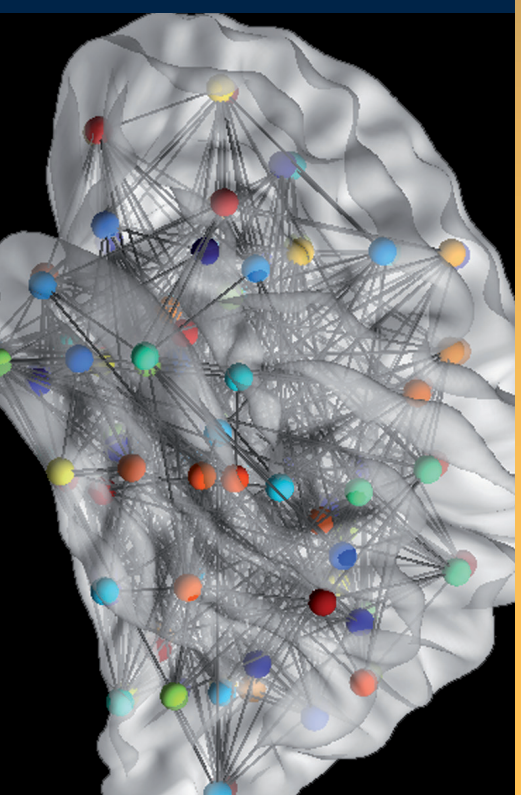
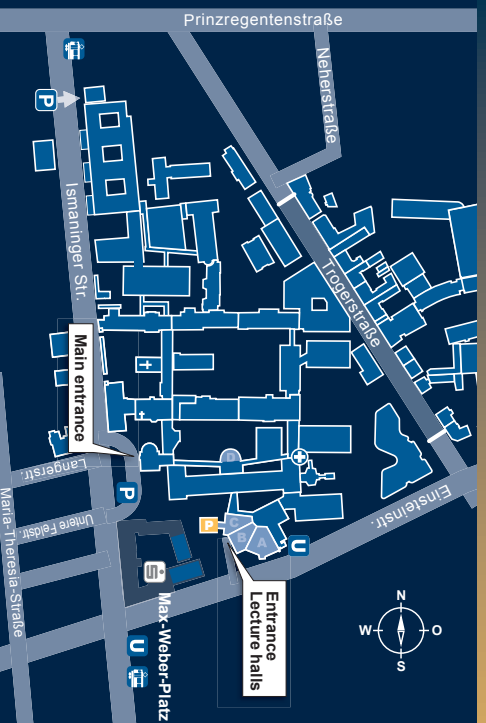
## 8th Symposium of the TUM-Neuroimaging Center

18.07.2019, 17–19 h  
Lecture Hall Pavillon

TUM-Neuroimaging Center

## Contact

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**Dear colleagues,**

we cordially invite you to the 8th Symposium of the TUM-Neuroimaging Center (TUM-NIC).

The symposium will provide insights into recent research projects performed in the TUM-NIC. Our speakers 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. Simon Eickhoff who will discuss how neuroimaging-based assessments of brain activity can translate into clinical practice.

Best wishes

*Markus Ploner*

*Mark Muhlau*

*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*

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### **17.10 Short presentations**

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**Human Connectome Project Data to Understand the Effect of White Matter Lesions on Grey Matter Atrophy in Multiple Sclerosis**  
*Matthias Bussas, Dipl.-Math.*

**Towards a metabolic baseline of fMRI-signal activations and deactivations**  
*Samira Epp, MSc*

**Aberrant gyrification contributes to the link between gestational age and adult IQ after premature birth**  
*Dennis Hedderich, Dr. med.*

**MRI assessment of microvascular impairments in asymptomatic internal carotid artery stenosis**  
*Jan Kufer, cand. med.*

**From correlation towards causality: modulating brain rhythms of pain using transcranial alternating current stimulation**  
*Elisabeth May, Dr. rer.nat.*

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### **18.00 Keynote lecture**

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**Bridging brain mapping, machine-learning and clinical translation**

*Prof. Simon Eickhoff*  
*Institute of Neuroscience, Heinrich Heine University Düsseldorf and Institute of Neuroscience and Medicine, Forschungszentrum Jülich*

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### **19.00 Reception**

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