7th Symposium of the
TUM-Neuroimaging Center

05.07.2018, 17–19 h
Lecture Hall Pavillon

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
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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

17.00 Introduction
Prof. Markus Ploner
Department of Neurology, TUM

17.10 Short presentations
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

18.00 Keynote lecture
Imaging and Stimulating Brain Remodelling
Prof. Heidi Johansen-Berg
Wellcome Centre for Integrative Neuroimaging, University of Oxford, UK

19.00 Reception