

Speakers

Prof. Pascal Fries
*Ernst Strüngmann Institute (ESI) for Neuroscience
in Cooperation with Max Planck Society, Frankfurt*

Prof. Peter Henningsen
Dean, TUM School of Medicine

Josef Bäuml, MSc
Department of Neuroradiology, TUM

Viola Biberacher, MD
Department of Neurology, TUM

Moritz Nickel, MSc
Department of Neurology, TUM

Prof. Markus Ploner
Department of Neurology, TUM

Anja Ries, MSc
Department of Neuroradiology, TUM

Valentin Riedl, MD, PhD
Department of Neuroradiology, TUM

Thomas Stadhouders
Department of Nuclear Medicine, TUM



Klinikum rechts der Isar
Technische Universität München



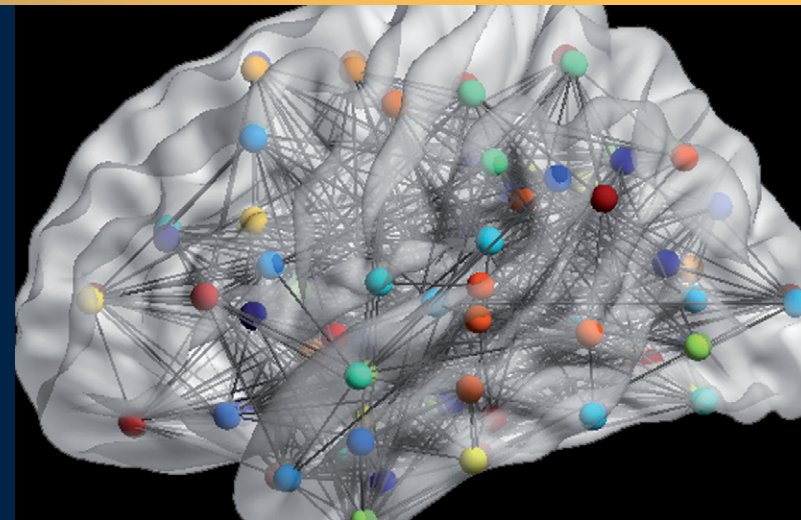
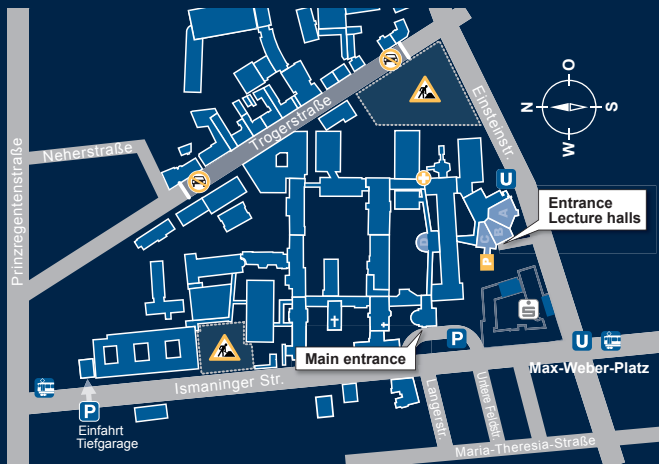
5th Symposium of the TUM-Neuroimaging Center

21. 07. 2016, 17–19 h
Lecture Hall Pavillon

TUM-Neuroimaging Center

Contact

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Dear colleagues,

we cordially invite you to the 5th 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. Pascal Fries. He will discuss the functional significance of neuronal oscillations and their role for the understanding and treatment of neuropsychiatric disorders.

Best wishes

Markus Ploner

Mark Mühlau

Valentin Riedl

Christian Sorg

on behalf of the TUM-Neuroimaging Center



Program

17.00 Introduction

Welcome

Prof. Peter Henningsen

Dean, TUM School of Medicine

The TUM-Neuroimaging Center (TUM-NIC)

Prof. Markus Ploner

Department of Neurology, TUM

17.15 Keynote lecture

Rhythms for Cognition:

Communication through Coherence

Prof. Pascal Fries

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18.00 Short presentations

Frequency spectrum of BOLD oscillations relates to depressive symptoms

Anja Ries, MSc

Neurocognitive networks in dementia disorders assessed with simultaneous PET/fMRI

Thomas Stadhouders

Thalamo-cortical connectivity predicts impaired cognition in preterm born adults

Josef Bäuml, MSc

Monitoring the course of multiple sclerosis: stability of structural MRI

Viola Biberacher, MD

Metabolic connectivity mapping reveals directional signaling in the human brain

Valentin Riedl, MD, PhD

Brain oscillations differentially encode nociception and pain

Moritz Nickel, MSc

19.00 Reception
