Lecture Hall Pavilion
21. 07. 2016, 17–19 h
5th Symposium of the TUM-Neuroimaging Center

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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 Neurology, TUM

Thomas Stieglmeier
Department of Nuclear Medicine, TUM

Eric Biebel, MD
Department of Neurology, TUM

Viola Biberacher, MD
Department of Neuroradiology, TUM

José Emanuel MSC
Department of Neurology, TUM

Pittel Peter Heinrichsen
Dean, TUM School of Medicine

In Cooperation with Max Planck Society, Frankfurt

Emil Schlündermann Institute (ESI) for Neurosciences

Förstl Research Group
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

Markus Ploner, MSc
Daniel Schöpper, MSc
Valentin Riedl, MSc
Christian Sorg

17.15 Keynote Lecture

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

Rhythms for Cognition: Communication through Coherence

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/MRI
  Thomas Stadhouders
  Anja Ries, MSc
  Thomas Stadhouders

- Monitoring the course of multiple sclerosis: The impact of BOLD oscillations
  Josef Emmler, MSc

- Thalamo-cortical connectivity predicts impaired cognition in preterm born adults
  Thomas Stadhouders
  Anja Ries, MSc
  Thomas Stadhouders

- Metabolic connectivity mapping reveals directional signaling in the human brain
  Valentin Riedl, MSc

- Brain oscillations differentially encode nociception and pain
  Vielhammer, MSc, PhD

- Multimodal connectivity mapping reveals regional interactions in the human brain
  Vielhammer, MSc, PhD

19.00 Reception

Best wishes,
Markus Ploner
Christian Sorg
Valentin Riedl
Mark Mühlau
on behalf of the TUM-Neuroimaging Center

Program