

Speakers

Prof. Ray Dolan FRS
Wellcome Trust Centre for Neuroimaging, University College London

PD Dr. Stefan Förster
Department of Nuclear Medicine, TUM

Prof. Peter Henningsen
Dean of the Medical Faculty, TUM

cand. med. Andre Manoliu
Departments of Psychiatry and Neuroradiology, TUM

PD Dr. Mark Mühlau
Department of Neurology, TUM

PD Dr. Markus Ploner
Department of Neurology, TUM

Dr. Christian Sorg
Departments of Psychiatry and Neuroradiology, TUM

Dr. Laura Tiemann
Department of Neurology, TUM

Dr. Afra Wohlschläger
Department of Neuroradiology, TUM

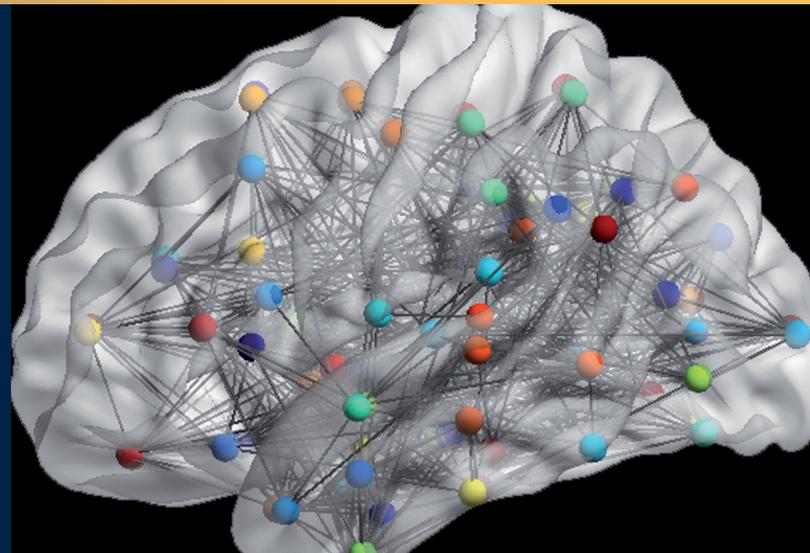
Opening Symposium of the TUM-Neuroimaging Center

12.07.2012, 17–19 h,
Pavillon, Hörsaalgebäude

TUM-Neuroimaging Center

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Dear colleagues,

we cordially invite you to a Neuroimaging-Symposium at the Klinikum rechts der Isar of the Technische Universität München.

The symposium will introduce the Neuroimaging Center at the Technische Universität München (TUM-NIC). TUM-NIC is an initiative of scientists from different disciplines and backgrounds to promote neuroimaging research at the TUM. They created TUM-NIC as a platform for the exchange of ideas, knowledge, skills and plans for the future. TUM-NIC is intended to facilitate collaborations across department and faculty boundaries, to further education in neuroimaging techniques and to enhance the impact and visibility of neuroimaging research at the TUM.

The symposium will highlight the broad variety of methods covered by clinical neuroimaging research at the TUM including MRI, PET and EEG as well as expertise in computation and engineering, molecular biomarkers and neuroimmunology. The presentations will demonstrate how these methods are used to further our understanding of neurological and psychiatric disorders. We are particularly pleased that the presentations will be complemented by a key note lecture by Prof. Ray Dolan who will give a fascinating insight into basic computations of the human brain and their implications for neuropsychiatric disorders.

Best wishes

Stefan Förster

Mark Mühlau

Markus Ploner

Christian Sorg

Afra Wohlschläger

on behalf of the TUM-Neuroimaging Center

Program

17.00 Introduction

Welcome

Prof. Peter Henningsen

Dean of the Medical Faculty, TUM

The TUM Neuroimaging Center (TUM-NIC)

PD Dr. Markus Ploner

17.15 Key note lecture

Value and the human brain

Prof. Ray Dolan FRS

Wellcome Trust Centre for Neuroimaging, University College London

18.00 Short presentations

How does cognition modulate value learning?

A model based fMRI study

Dr. Christian Sorg

Are brain circuits of emotion learning disorganized in borderline personality disorder? A resting state fMRI and DTI study

Dr. Afra Wohlschläger

How do amyloid plaques relate to neuronal activity in Alzheimer's disease? A longitudinal multitracer PET study

PD Dr. Stefan Förster

Do white matter lesions drive gray matter atrophy in multiple sclerosis? A voxel-based morphometry study

PD Dr. Mark Mühlau

Do neuronal oscillations reflect the perception of pain?

An EEG study

Dr. Laura Tiemann

How is striatal intrinsic activity changed in schizophrenia?

A resting state fMRI study

cand. med. Andre Manoliu

19.00 Poster reception

