

Speakers

Prof. Ed Bullmore
*Department of Psychiatry and Behavioural and
Clinical Neuroscience Institute, University of Cambridge*

Prof. Peter Henningsen
Dean of the Medical Faculty, TUM

Dr. Elisabeth May
Department of Neurology, TUM

Prof. Mark Mühlau
*Department of Neurology, TUM
Munich Cluster for Systems Neurology*

PD Dr. Markus Ploner
Department of Neurology, TUM

Dipl.-Psych. Tim Reeß
*Department of Neuroradiology, TUM
Graduate School of Systemic Neurosciences, LMU*

Dipl.-Bioinf. Lukas Utz
*Department of Neuroradiology, TUM
Institute for Advanced Study, TUM*

Dr. Afra Wohlschläger
Department of Neuroradiology, TUM

Dr. Igor Yakushev
Department of Nuclear Medicine, TUM



Klinikum rechts der Isar
Technische Universität München



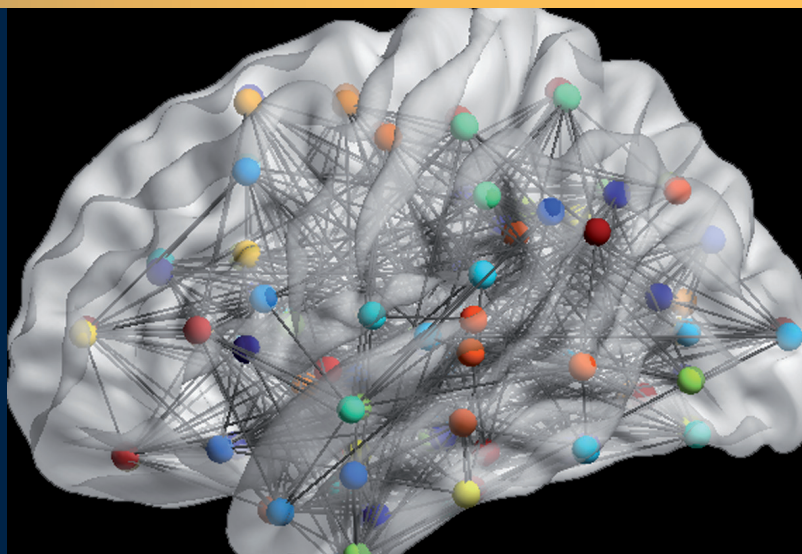
3rd Symposium of the TUM-Neuroimaging Center

17.07.2014, 17–19 h
Pavillon, Hörsaalgebäude

TUM-Neuroimaging Center

Contact

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Dear colleagues,

we cordially invite you to the 3rd 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. 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 facilitates collaborations across department and faculty boundaries, furthers education in neuroimaging techniques and enhances the impact and visibility of neuroimaging research at the TUM.

This year's symposium will highlight the broad variety of methods covered by clinical neuroimaging research and 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 keynote lecture by Prof. Ed Bullmore who will discuss the relevance of brain networks for the understanding of neuropsychiatric diseases.

Best wishes

Markus Ploner

Mark Mühlau

Christian Sorg

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 Keynote lecture

Economical brain networks and brain disorders

Prof. Ed Bullmore

Department of Psychiatry and Behavioural and Clinical Neuroscience Institute, University of Cambridge

18.00 Short presentations

Impact of electroconvulsive therapy on functional connectivity dynamics in major depressive disorder

Dr. Afra Wohlschläger

Genetics and structural MRI in multiple sclerosis

Prof. Mark Mühlau

Exploring metabolic connectivity of the brain with PET

Dr. Igor Yakushev

Neurophysiological encoding of ongoing pain

Dr. Elisabeth May

Energetic costs of brain functional connectivity

Dipl.-Bioinf. Lukas Utz

Neural correlates of risk aversion in obsessive-compulsive disorder

Dipl.-Psych. Tim Reeß

19.00 Reception

