

WORKSHOP

GABA - FROM MOLECULE TO COGNITION

June, 22nd and 23rd 2016

IGSN Seminar room FNO 01/117

June 22nd, 2pm-6pm

- 14:00** **Introduction: GABA - from molecule to cognition**
Tobias Schmidt-Wilcke (*Ruhr University Bochum*)
- 14:20** **Inhibition in the hippocampal-entorhinal formation**
Elke Fuchs (*University Hospital Heidelberg*)
- 15:05** *Coffee Break*
- 15:30** **Releasing the cortical handbrake?**
rTMS-induced LTD of GABAergic synaptic transmission
Andreas Vlachos (*Heinrich Heine University Düsseldorf*)
- 16:15** **Modulation of GABAergic system by rTMS -**
evidence from animal models
Klaus Funke (*Ruhr University Bochum*)

June 23rd, 9am-1pm

- 9:00** **TMS-EEG - a measure of GABAergic neurotransmission in humans**
Florian Müller-Dahlhaus (*University Hospital Tübingen*)
- 9:45** **New Approaches in measuring GABA with MRS**
Richard Edden (*Johns Hopkins Hospital, Baltimore*)
- 10:30** *Coffee Break*
- 11:00** **From MRS of GABA to Cognition**
Nick Puts (*Johns Hopkins Hospital, Baltimore*)
- 11:45** **Neurochemical Imaging of Chronic Pain: pathology and treatment**
Richard Harris (*University of Michigan, Ann Arbor*)

The workshop is limited to 20 people (first come, first serve).
 Please register via email to sfb874-irtg@rub.de

