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for the science of light

Universitätsklinikum
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iCN^{FAU}
Interdisciplinary Center for
Neuroscience, FAU Erlangen

SYMPOSIUM SYSTEMS NEUROSCIENCE

JANUARY 19-20 ERLANGEN

JAN 19

9.00 a.m. to
10.00 a.m.

**FUNCTIONAL CONNECTIVITY OF AMYGDALA
NEURAL POPULATIONS ENCODING
EMOTIONAL MEMORIES**

DR. ANNA BEYELER
MIT, Cambridge, USA

10.00 p.m. to
11.00 p.m.

**NEURAL NETWORK DYSFUNCTION IN
PSYCHIATRIC DISEASE:
INSIGHTS FROM ANIMAL MODELS**

DR. TORFI SIGURDSSON
Neuroscience Center, Frankfurt, Germany

11.30 a.m. to
12.30 p.m.

**OXYTOCIN ENHANCES SOCIAL RECOGNITION
BY MODULATING CORTICAL CONTROL OF EARLY
SENSORY PROCESSING**

DR. WOLFGANG KELSCH
Zentralinstitut für Seelische Gesundheit, Mannheim, Germany

2.00 p.m. to
3:00 p.m.

**NORADRENERGIC CONTROL OF SKILLED
MOTOR MOVEMENTS**

DR. JULIA SCHIEMANN
University of Edinburgh, UK

3.00 p.m. to
4.00 p.m.

**THE FUNCTIONAL MICROCIRCUIT OF
PATTERN COMPLETION IN THE
HIPPOCAMPAL CA3 NETWORK**

DR. JOSE GUZMÁN
Institute of Science and Technology,
Klosterneuburg, Austria

JAN 20

9.00 a.m. to
10.00 a.m.

**SURFACE DYNAMICS OF ION CHANNELS TUNE
NEURONAL COMMUNICATION**

DR. MARTIN HEINE
Leibniz-Institut für Neurobiologie, Magdeburg, Germany

10.00 a.m. to
11.00 p.m.

**EMBEDDING ASSOCIATIVE MEMORIES IN
NEURONAL NETWORKS OF THE
EMOTIONAL BRAIN**

PROF. BENJAMIN GREWE
ETH Zurich, Switzerland

11.30 a.m. to
12.30 p.m.

**OPTOGENETIC DISSECTION OF INHIBITORY
AND SCHIZOPHRENIA-RELATED CIRCUITRY**

PROF. DENNIS KÄTZEL
Universität Ulm, Germany

2.00 p.m. to
3:00 p.m.

**TWO-PHOTON CALCIUM IMAGING OF
NEURAL CIRCUITS IN ALL LAYERS OF
THE MOUSE CORTEX IN VIVO**

CARSTEN TISCHBIREK
Technische Universität München, Germany

3.00 p.m. to
4.00 p.m.

**PROBING SYNAPTIC INTERACTIONS
DURING SENSORY PROCESSING IN
DEEP BRAIN STRUCTURES**

DR. ALEXANDER GROH
Technische Universität München, Germany

Max Planck Institute for the Science of Light
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