



Introductory Remarks to Symposium 12

Breaking News I

Carmen Smarandache-Wellmann, Cologne

Registered students had the choice to either register with a poster presentation or apply for an oral communication. The program committee has selected the young investigator presentations from these submissions and assigned them either to a symposium or to one of the two Breaking News symposia (symposia 12 and 23).

The following students were selected to give a short communication in Symposium 12 – Breaking News I:

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- 14:30 **Opening Remarks**
- 14:35 Anil Annamneedi, Magdeburg
CONDITIONAL MUTANTS OF BASSOON IN
EXCITATORY FOREBRAIN SYNAPSES AND
DOPAMINERGIC SYNAPSES, TO STUDY THEIR
CONTRIBUTION IN LEARNING AND MEMORY
PROCESSES (S12-1)
- 14:45 Sophie Batsching, Würzburg
LEARNED HELPLESSNESS IN *DROSOPHILA*
MELANOGASTER- DOES IT TRANSFER TO
OTHER BEHAVIOR? (S12-2)
- 14:55 Lisa K. J. Clausen, Oxford, UK
EXPLORING THE EFFECTS OF β 2-ADRENERGIC
RECEPTOR AGONISTS IN DOK7 CONGENITAL
MYASTHENIC SYNDROME (S12-3)
- 15:05 Bettina Hein, Frankfurt/Main
CHRONIC STUDY OF SPONTANEOUS ACTIVITY
AND ORIENTATION SELECTIVITY IN VISUAL
CORTEX AROUND EYE OPENING (S12-4)

Symposium 12

Thursday, March 19, 2015
14:30 – 16:30, Lecture Hall 105

Chair: Carmen Smarandache-Wellmann, Cologne

- 15:15 Jan-Hendrik Heyne, Magdeburg
OPPOSING EFFECTS OF CAMP-EFFECTORS
PKA AND EPAC ON ACTIVITY-DEPENDENT
BDNF SECRETION IN DISSOCIATED HIPPO-
CAMPAL NEURONS (S12-5)
- 15:25 **Break**
- 15:35 Johannes Mayer, Rostock
INFLUENCE OF MTDNA SINGLE NUCLEOTIDE
POLYMORPHISMS ON AGE DEPENDENT
CHANGES OF MEMORY FUNCTION (S12-6)
- 15:45 Julia Michely, Saarbrücken
THE IMPACT OF MICRORNAS IN MEMORY
FORMATION PROCESSES IN THE HONEYBEE
(*APIS MELLIFERA*) (S12-7)
- 15:55 Esther Nibbeling, Groningen, The Netherlands
IDENTIFICATION OF NOVEL SPINOCEREBELLAR
ATAXIA DISEASE GENES USING NEXT GENE-
RATION SEQUENCING APPROACHES (S12-8)
- 16:05 Steffen Platschek, Frankfurt/Main
COMPUTATIONAL MODELING OF LESION
INDUCED DENDRITIC REORGANIZATION
(S12-9)
- 16:15 Kerstin Wernecke, Magdeburg
THE OLFACTORY HOLE-BOARD TEST: A NEW
PARADIGM TO STUDY BEHAVIOR TO BIOLO-
GICALLY-RELEVANT ODORS (S12-10)
- 16:25 **Concluding Remarks**



Introductory Remarks to Symposium 23

Breaking News II

Marc Spehr, Aachen

Registered students had the choice to either register with a poster presentation or apply for an oral communication. The program committee has selected the young investigator presentations from these submissions and assigned them either to a symposium or to one of the two Breaking News symposia (symposia 12 and 23).

The following students were selected to give a short communication in Symposium 23 – Breaking News II:

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- 11:30 **Opening Remarks**
- 11:35 Benedikt Bausewein, Bayreuth
REPRESENTATION OF VISUAL INFORMATION
IN THE ARCHERFISH MAUTHNER-CELL (S23-1)
- 11:45 Stephanie D. Biergans, Konstanz
TEMPORAL DYNAMICS AND GENOME-WIDE
TARGET REGIONS OF CYTOSINE METHYLATION
AND HYDROXYMETHYLATION DURING LONG-
TERM MEMORY FORMATION IN HONEYBEES
(S23-2)
- 11:55 Christoph Bode, Leipzig
DEVELOPMENTAL CHANGES OF STRIATAL IN-
TERNEURONS IN AN ANIMAL MODEL OF
PAROXYSMAL DYSTONIA (S23-3)

Symposium 23

Friday, March 20, 2015
11:30 – 13:30, Lecture Hall 104

Chair: Marc Spehr, Aachen

- 12:05 Karolina Can, Göttingen
RETT SYNDROME PROVOKES REDOX IMBALANCE ALREADY IN NEONATAL NEURONS, AFFECTING THE CYTOSOL AND THE MITOCHONDRIA (S23-4)
- 12:15 Rainer Engelken, Göttingen
INPUT SPIKE TRAINS SUPPRESS CHAOS IN BALANCED NEURAL CIRCUITS (S23-5)
- 12:25 **Break**
- 12:35 Carola Wormuth, Bonn
A YOUNG PILOCARPINE MODEL FOR EPILEPSY (S23-6)
- 12:45 Lars Emil Larsen, Ghent, Belgium
EFFECTS OF VAGUS NERVE STIMULATION ON HIPPOCAMPAL NEUROPHYSIOLOGY IN FREELY MOVING RATS (S23-7)
- 12:55 Uta Pegel, Marburg
INTEGRATION OF SKY COMPASS CUES IN THE BRAIN OF THE DESERT LOCUST (S23-8)
- 13:05 Sarah Starosta, Bochum
DYNAMIC CODING PATTERNS IN SINGLE UNITS OF THE FOREBRAIN ACROSS THREE STAGES OF LEARNING (S23-9)
- 13:15 Lena Veit, Tübingen
LEARNING OF ARBITRARY VISUAL ASSOCIATIONS IN THE CORVID ENDBRAIN (S23-10)
- 13:25 **Concluding Remarks**