

**International Conference on Brain Plasticity *linking*
Molecules, Cells & Behavior**

Program

Monday, September 4, 2017

2.00 pm Esther Kühn & Eckart Gundelfinger *Welcome*

2.15 – 2.55 pm Keynote

John „Jack“ Byrne (Houston) *Pharmacological Approaches and Computer-Assisted Optimization of Training Schedules to Enhance Memory Mechanisms*

Symposium: Neuroplasticity: How genes & molecules manifest physiology & behavior

3.00 pm Kathrin Marter (Magdeburg) *Towards the Characterization of the Drosophila Learning Proteome using Cell-Selective Non-Canonical Amino Acid Tagging*

3.20 pm André Fiala (Göttingen) *Learning and memory in Drosophila: Linking behavior, neuronal circuits and synaptic plasticity*

3.50 pm Coffee break

4.20 pm Anna Ciurazkiewicz (Magdeburg) *tba*

4.40 pm Denise Manahan-Vaughan (Bochum) *Differential encoding by hippocampal subfields of components of a spatial representation*

5.10 pm Thomas J. McHugh (Tokyo) *tba*

7.30 pm Speakers Dinner

Tuesday, September 5, 2017

Symposium: The brain's change of view – neural basis of behavioral flexibility

- 9.00 am** Jaime de la Rocha (Barcelona) *Rats decisions flexibly integrate sensory information and recent history of outcomes*
- 9.30 am** Max Happel (Magdeburg) *Enhanced memory flexibility of cortical circuits*
- 9.50 am** Simon Rumpel (Mainz) *Experience-induced rapid nucleus-scale movements of chromatin*
- 10.20 am** Adrian Fischer (Magdeburg) *Beta power as an online decision index*
- 10.40 am** Coffee break
- 11.10 am** Hauke Heekeren (Berlin) *Learning, memory, and decision making: from perception to valuation*

11.40 – 12.20 pm Keynote

Pascal Fries (Frankfurt / Main) *Rhythms for Cognition: Communication through Coherence*

12.25 pm Lunch break

Symposium: Changing matters – intrinsic plasticity in health and disease

- 2.00 pm** Stefan Remy (Bonn) *Synaptic integration in hippocampal neurons during spatial navigation*
- 2.30 am** Jeffrey Lopez Rojas (Magdeburg) *tba*
- 2.50 am** Thomas Nevian (Bern) *Plasticity of cortical networks in neuropathic pain*

Symposium: Changing matters – intrinsic plasticity in health and disease – part 2

3.20 pm Coffee break

3.50 pm Esther Kühn (Magdeburg) *A new window of insight: In-vivo cortical myelin mapping in humans at sub-milimeter resolutions*

4.10 pm Michael Lippert (Magdeburg) *Plasticity in the dopamine system: influence of sustained VTA activation on brain-wide functional networks*

4.30 pm Andreas Frick (Bordeaux) *Intrinsic plasticity of neocortical circuits in memory and autism spectrum disorder*

5.00 pm Poster session & free food and drinks

8.00 pm – open end Social evening @ Mückenwirt (if weather is good)

Wednesday, September 6, 2017

Symposium: The multiple faces of stress: A tale of (mal-) adaptation

9.00 am Anne Albrecht (Magdeburg) *HIPP neurons in the dentate gyrus mediate the cholinergic modulation of background context memory salience*

9.20 am Susan Sangha (West Lafayette) *Neural circuitry for suppressing conditioned fear in the presence of a safety cue*

9.50 am Iris Müller (Magdeburg) *The impact of juvenile experience on learning in adulthood*

10.10 am Harm Krugers (Amsterdam) *Stress, emotions and memory*

Symposium: The multiple faces of stress: A tale of (mal-) adaptation – part 2

10.40 am Coffee break

11.10 am **Elbert Geuze (Utrecht)** *Imaging trauma: Neuroimaging studies of traumatic stress*

11.40 – 12.20 pm Keynote

Alon Chen (Munich & Rehovot) *Genetic and optogenetic dissection of the central stress responses and stress-linked psychiatric disorders*

12.25 pm **Constanze Seidenbecher** *Closing remarks*

For short-notice program updates, and other news on the conference: tweet & follow us on twitter



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and check our website

<http://brainplast.de>