BMI RESEARCH DAY 2016

Great talks
Social event
Poster session
Neuronal networks
Neurodegeneration
Best poster prize
Brain function / dysfunction

June 1st, 11:00 am
SV1717, SV Lobby
PROGRAM

WEDNESDAY, June 1st, 11:00 am
SV1717, SV Lobby

11:00-11:10 Opening - Carmen Sandi

Session 1/ Brain dysfunction; Chair: Prof. Lashuel

11:10-11:30 Gene therapy for amyotrophic lateral sclerosis: the importance of non-cell autonomous disease - Cylia Rochat, LEN

11:30-11:50 Elucidating the sequence and structural determinants of huntingtin aggregation and toxicity using protein semisynthesis and single molecule techniques - Anass Chiki – LMNN

11:50-12:10 Endophenotypes in Schizophrenia - Albulena Shaqiri, LPSY

12:10-12:30 Modulation of noradrenergic pathways to restore locomotion after spinal cord injury - Kay Bartholdi, UPGRAEFF

12:30-12:50 From sensorimotor integration to robotic psychiatry - Fosco Rognini & Giulio Rognini, LNCO

12:50-14:20 Lunch and Poster session

Session 2/ Synaptic and cellular mechanisms; Chair: Prof. Gräff

14:20-14:40 Synaptotagmin isoforms responsible for fast release at inhibitory synapses - Brice Bouhors, LSYM

14:40-15:00 Miniature neurotransmission is required for synapse maintenance during ageing - Soumya Banerjee, UPMcCABE

15:00-15:20 Membrane potential dynamics of specific L2/3 and L4 neurons in mouse barrel cortex - Taro Kiritani, LSENS

Session 3/ Neuronal circuits and behaviour; Chair: Prof. McCabe

15:30-15:50 A cortico-thalamic-hippocampal circuit for remote fear memory extinction - Bianca Silva, UPGRAEFF

15:50-16:10 Disrupting astrocyte-neuron lactate transfer persistently reduces conditioned responses to cocaine - Benjamin Boury-Jamot, LNDC

16:10-16:30 Manipulation of behaviour via modulation of mitochondrial function in the brain - Ioannis Zalachoras, LGC

16:30-17:00 Coffee Break

Session 4/ Neuronal networks; Chair: Prof. Hess Bellwald

17:00-17:20 Model of synaptic consolidation - Olivia Goezel, LCN

17:20-17:40 A biophysical map of the voltage-gated potassium ion channels - Ranjan Rajnish, LNMC

17:40-18:00 Computational characteristics of simulating large scale brain models - Francesco Cremonesi, BBP

18:00-18:20 An algorithm to predict the connectome of neural microcircuits - Michael Reimann, BBP

18:20-18:30 Poster prizes and Conclusion

18:30-22:00 Social Event
- Flair bartender
- Cocktails
- Sangria
- Barbecue
- Groovy music

Organizers:
Anne-Laure Mahul / Simone Astori / Jamshid Asadzadeh / Raquel Sandoval / Leila Drissi / Rodrigo Perin / Kay Bartholdi / Giulio Rognini / BMI Team

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