



Doctoral Program Brain & Mind

THURSDAY, 17.09.2015

9.20 SESSION 1: Language Functions in the Brain

9.20 **Jonathan Peelle**: Homeostasis in spoken language perception

10.10 **Uri Hasson**: Basic functions underlying the neurobiology of language

11:00 Coffee break

11:20 SESSION 2: The Brain as a Complex System: Criticality and multi-scale oscillations

11:20 **Viola Priesemann**: Criticality, information processing, and sleep

12:10 **Mike X Cohen**: Oscillations coordinate multi-scale neural and cognitive dynamics

13.00 Lunch

14.00 Workshop: The Art of Presenting Science by Robin Steegman

15.20 Poster session, coffee & snacks

16:10 SESSION 3: Stress, Anxiety & Psychiatric Disorders

16:10 **Alon Chen**: Bridging the genotype-phenotype gap: Genetic and optogenetic dissection of the central stress response

17:00 **Kai Kysenius**: Aging-related increase of neuronal stress

17:20 **Iiris Hovatta**: Genetic basis of stress-induced anxiety and depression in mice

18.10 Activities: Sauna, spa, gym, outside sports, etc.

20.00 Spa & gym close

20.30 Dinner

21.30-01.00 Långvik nightclub

FRIDAY, 18.09.2015

Spa & gym (open at 6:00)

Breakfast for hotel guests & check-out (8:00-9:40)

9:40 SESSION 4: Neuroscience of Sleep & Time Perception

9:40 **Vladyslav Vyazovskiy**: The dynamics of sleep process in time and space

10:30 **Sanna Koskela**: The effect of diurnal rhythm on the absolute sensitivity limit of mouse vision

10:50 **Virginie van Wassenhove**: Temporal cognition

11:40 **Srikanth Kulashekhar**: Neuronal oscillations reflect processes underlying time estimation

12:00 Lunch

13:00 Workshop: Data Visualization by Martin Krzywinski

14:30 SESSION 5: Social & Emotional Brain

14:30 **Vasily Klucharev**: Neurological mechanisms of social influence

15:20 **Juha Lahnakoski**: Brain mechanisms underlying perception of naturalistic social events

15:40 Coffee break

16:00 **Kaisu Lankinen**: Haptic contents of a movie dynamically engage the spectator's sensorimotor cortex

16:20 **Lauri Nummenmaa**: Decoding emotions from brain activity

17:10 Closing discussion / B&M student meeting

17:40 Bus to Helsinki

** B&M student or recent graduate*

Organized by B&M Student Council 2015:

- Swaroop Achuta (University of Helsinki)
- Anna Maria Alexandrou (University of Aalto)
- Onerva Korhonen (University of Aalto)
- Zuzanna Misiewicz (University of Helsinki)
- Felix Siebenhühner (University of Helsinki), chair
- Sofia Volynets (University Aalto)