

# NEUROSCIENCE FINLAND 2018

May 2, 2018, 12-18

University of Helsinki, Small Lecture Hall, Fabianinkatu 33

## PROGRAM

### Session I: Chair persons Dan Lindholm and Pirta Hotulainen

**12:00-12:15** Dan Lindholm, Chairman of the Brain Research Society of Finland: Welcome words

**12:15-12:35** Merja Voutilainen, University of Helsinki: *Effect of CDNF in SOD1-G93A mouse model of Amyotrophic Lateral Sclerosis*

**12:35-12:55** Tarja Malm, University of Eastern Finland: *Modelling human microglia in neurodegeneration*

**12:55-13:15** Tomi Rantamäki, University of Helsinki: *Nitrous oxide and rapid-acting antidepressant mechanisms*

**13:15-14:00** Åsa Mackenzie, Uppsala University, Sweden: *Midbrain dopamine subpopulations in reward and motivation*

**14:00-14:30** Coffee break

### Session II: Chair persons Paula Virtala and Dan Lindholm

**14:30-14:50** Miriam Nokia, University of Jyväskylä: *Hippocampal plasticity and learning*

**14:50-15:10** Aleksi Sihvonen, University of Turku and Helsinki: *Neural basis of acquired amusia: from brain lesions to function*

**15:10-15:30** Annika Hultén, Aalto University: *Word abstractness is an emerging property of language, mirrored in neural activity*

**15:30-15:45** Novartis Neuroscience Award for the PhD thesis of the Year

**15:45-16:30** Neuroscientist of the Year: Miia Kivipelto, Karolinska Institutet & University of Eastern Finland: *Multidomain interventions to prevent cognitive impairment and Alzheimer*

**16:30-18:00** Posters with wine and snacks



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## NEUROSCIENCE FINLAND 2018 / POSTERS 2.5.2018

AUTHORS	UNIVERSITY	POSTER TITLE
<b>Ahmad Hafez</b> , E. Serhat Aktan, J. Dillmann, E. Oulasvirta, P. Koroknay-Pal, M. Niemelä, Aki Laakso	Helsinki University Hospital	Deep Central Supratentorial Arteriovenous Malformation Treatment and outcome
<b>Anniina Hiltunen</b> , S. Kangas, T. Paakkola, I. Pietilä, H. Tuominen, R. Soininen, R. Vuolteenaho, M. Hallman, J. Uusimaa, Reetta Hinttala	University of Oulu	Knock out of Nhlrc2 in mice and the study of FINCA disease
<b>Arto Lipponen</b> , Jan Klee, Amanda Kiliaan, Francesco Battaglia	University of Jyväskylä	Abnormal neuronal activity in the frontal cortex of APP/PS1 mice
<b>Georgy Sapozhnikov</b> , Heikki Tanila	University of Eastern Finland	Stereo-EEG during an attention task in Alzheimer model and wildtype mice at two ages
<b>Giorgio Turconi</b> , Soophie Olfat, Jaan-Olle Andressoo	University of Helsinki	Effect of vitamin NR-enriched diet on neurodegeneration in lactacystin PD mouse model
<b>Hamed Hague</b> , Sheng H. Wang, J. Matias Palva, Satu Palva	University of Helsinki	Concurrent alpha and gamma band synchronization characterizes feature information in visual working memory
<b>Henri Hokkanen</b> , Vafa Andalibi, Simo Vanni.	University of Helsinki	Streamlined microcircuits for cortical simulations
<b>Laura Tikker</b> , L. Lahti, N. Estartús, Juha Partanen	University of Helsinki	GATA cofactors Fog1 and Fog2 regulate the development of midbrain GABAergic neurons
<b>Lauri Elsilä</b> , Ulla Rahijärvi, Elena de Miguel, Esa Korpi	University of Helsinki	Somatostatin-expressing neurons in the bed nucleus of stria terminalis in anxiety- and addiction-related behaviours in mice
<b>Marie Mennesson</b> , E. Sokolowska, S-A Callan, N. Kyleskaya, V. Risbrough, V. Voikar, Iiris Hovatta	University of Helsinki	NETO2 regulates fear expression
<b>Mikaela Laine</b> , K. Trontti, Z. Misiewicz, N. Kuleskaya, S. Saarnio, A. Heikkinen, E. Jokitalo, D. Greco, I. Balcells, E. Sokolowska, Iiris Hovatta	University of Helsinki	Chronic psychosocial stress in mice alters brain myelination in a genetic background-dependent manner
<b>Rosa Woldegebriel</b> , E. Ylikallio, M. Sainio, C. Bonnemann, S. Donkervoort, D. Bharucha-Goebel, M. Walsh, Z. Stark, M-J van den Boogaard, P. Isohanni, T. Lönnqvist, Henna Tynysmaa	University of Helsinki	Nuclear mRNA export factor GANP in lower motor neuron degeneration
<b>Sebnem Kesaf</b> , Ester Orav, Claudio Rivera, Sari Lauri	University of Helsinki	GluK2-NETO2 signaling regulates dendritic spine morphology in developing hippocampus
<b>Soila Kuuluvainen</b> , Teija Kujala	University of Helsinki	Preschoolers' auditory ERPs are associated with later reading skills
<b>Tiina Pirttimäki</b> , Olli Gröhn, Markku Penttonen, Miriam Nokia	University of Jyväskylä	Hippocampal rhythms and global connectivity of the brain
<b>Timo Nurmi</b> , Linda Henriksson sekä Harri Piitulainen	Aalto University	Optimization of proprioceptive stimulation frequency for fMRI studies
<b>Zuzanna Misiewicz</b> , N. Kuleskaya, L. Salminen, L. Rodrigues, G. Maccarone, C. Rewerts, B. Novak, K. Trontti, E. Sokolowska, I. Balcells, S. Saarnio, M. Laine, D. Park, S-A Callan, C. Turck, Iiris Hovatta	University of Helsinki	Identification of molecules and biochemical pathways associated with response to psychosocial stress in the bed nucleus of the stria terminalis.