

The 2nd National PhD Conference in Neuroscience

22-24 September 2014

Monday 22 September

- 15:30 Bus departure from Campus Øya, Trondheim
- 16.00 Bus departure from Værnes Airport, Trondheim
- 17.00-18.00 Registration and poster mounting + coffee/tea and sandwich
- 18.00-18.15 Welcome talk: Torbjørn Bækø Ness
- 18.15-19.15 **Keynote speaker: Dr. Jo Røislien** – *The art of complex communication*
- 19.15-20.30 **Group work, moderated by dr. Jo Røislien**
- 20.30-22.00 Dinner

Tuesday 23 September

- 09.00-10.15 **Oral session I: Cellular Neuroscience** (5 x 12 min)
Chairs: Torbjørn Bækø Ness and Ingvild Kruge
Gry Fluge Vindedal, UiO: *Astrocytes: the star cells of the brain*
Bente Jacobsen, NTNU: *Morphology of Entorhinal Interneurons*
Mathias Lysholt Mathiasen, NTNU: *Insular Cortex Projections to the Parahippocampal Region in the Rat.*
Ingrid Åmellem, NTNU: *NMDA receptors in dentate granule cells regulate adult neurogenesis and are involved in neurogenesis dependent behavioural tasks*
Ingrid Lovise Augestad, NTNU: *Combinatory treatment of experimental ischemic stroke using induced pluripotent stem cells and the neuroprotective/anti-inflammatory agent Minocyclin*
- 10.15-10.30 Coffee break
- 10.30-11.45 **Oral session II: Molecular Neuroscience** (5 x 12 min)
Chairs: Guro Berge and Gry Fluge Vindedal
Kristian Kinden Lensjø, UiO: *Distribution of perineuronal nets in the adult rat brain*
Yifan Zhou, UiB: *Functional properties of NMDA receptors on All amacrine cells*
Asgeir Kobro-Flatmoen, NTNU: *Reelin-Immunoreactive Neurons Selectively Accumulate Intracellular Amyloid- β During Pre-Plaque Stage in the McGill-R-Thy1-APP Rat Model of Alzheimer's Disease*
Abdolrahman Khezri, NMBU: *Zebrafish as a model for neurotoxicology studies*
Anne Marte Sjursen Kvello, UiO: *Pharmacodynamic differences between heroin and heroin metabolites after intra-VTA injection in mice*
- 11.45-13.00 Lunch
- 13.00-13.45 **Blitz presentations** (25 x 60 sec)
- 13.45-15.00 **Poster session**
- 15.00-15.15 Break with coffee and snack
- 15.15-16.30 **Oral session III: Systems and Cognitive Neuroscience** (5 x 12 min)
Chairs: Gry Fluge Vindedal and Ingvild Kruge
Maria Mørreaunet, NTNU: *Correlations and functional connections in a population of grid cells*

Chenglin Miao, NTNU: *Dorsoventral gradients in entorhinal-hippocampal inhibitory networks*

Kenneth Vilhelmsen, NTNU: *An Electroencephalography (EEG) Study of Differences between High Speeds of Simulated Forward Self-Motion from Optic Flow*

Ann-Marie de Lange Glasø, UiO: *Effects of cognitive training on resting state functional connectivity in the aging brain.*

Xi Chu, UiT: *Sociosexual behaviors during the transition from non-receptivity to receptivity in rats housed in a seminatural environment*

16.30-16.45 Break

16.45-17.45 **Keynote speaker: Henrik Ehrsson** – *Cognitive neuroscience of body self-perception*

17.45-18.00 Break

18.00-19.00 Guided tour at Stiklestad and visit at the Viking House

19.00-19.30 Break

19.30 Dinner and social program

Wednesday 24 September

09.00-10.15 **Oral session IV: Genetic Neuroscience** (5 x 12 min)

Chairs: Gernot Ernst and Torbjørn Bækø Ness

Marie Eikemo, UiO: *Sweet liking in humans: effects of opioid receptor gene (OPRM1) and pharmacological opioid manipulation*

Yu Hong, UiB: *Association between TLR9 Gene Polymorphism and Myasthenia gravis*

Inger Hødnebo Duus, UiB: *Changes in global gene expression during long-acting antipsychotic exposure in rat: Searching for genetic and pharmacogenetic predictors in psychotic disorders*

Guro Berge, NTNU: *Onset of dementia with Lewy bodies is delayed for carriers of the apolipoprotein E epsilon 2 genotype in a Norwegian cohort*

Katja Stahl, UiO: *A pathophysiological role of aquaporin-9 in Parkinson's disease*

10.15-10.30 Coffee break

10.30-11.45 **Oral session V: Clinical Neuroscience** (5 x 12 min)

Chairs: Ognjen Bojovic and Gernot Ernst

Sudan Prasad Neupane, UiO: *High frequency and intensity of drinking may attenuate elevated inflammatory cytokine levels of major depression in alcohol-use disorders.*

Aliona Nacu, UiB: *Early neurological worsening in acute ischaemic stroke patients.*

Violeta Lozano Botellero, NTNU: *Cerebellum, thalamus and cerebral cortex in VLBW adolescents' mental health.*

Siren Tønnesen, UiO: *Structural brain networks across psychotic disorders – a graph theoretical approach.*

Kristina Skåtun, UiO: *Reduced frontostriatal functional connectivity in schizophrenia revealed by eigenvector centrality mapping.*

11.45-13.00 Lunch and check-out

13.00-13.45 **Blitz presentations** (25 x 60 sec)

13.45-15.00 **Poster session**

15.00-15.15 Break with coffee and snack

15.15-15.45 Closing remarks and awards: Guro Berge and Violeta Lozano Botellero

16.00 Bus departure