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 Amellem, 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-B 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
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 Hødnebø 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