

Program - 3rd Annual NordForsk Nordic *C. elegans* Researcher Network

Time Friday 5.03.2010 - Grande 3

12.00 Arrival, registration and unattended poster session

14.00 Welcome by the Organizers - Erkki Truve, Kaja Reisner, and Garry Wong

Session 1 Chair Thomas Burglin

14.10 **Keynote Speaker : Monica Driscoll** - Worm secrets for healthy aging: Elaborating cellular and molecular mechanisms of longevity and healthspan in *C. elegans*

15.10 **Sponsor's Talk : Rock Pulak** - COPAS™ BIOSORT: New additions and a review of the worm sorter for high throughput analysis, sorting, and dispensing of *C. elegans*.

15.50 coffee break

Session 2 Chair Line Thomsen

16.20 **Peter Swoboda** - Worms With a Single Functional Sensory Cilium Generate Proper Neuron-Specific Behavioral Output

16.40 **Roger Pocock** - Hypoxia reroutes the neuronal processing of gustatory information in *C. elegans*

17.00 **Emma Svensson** - Adiponectin receptors in *C. elegans*

17.20 **Manoj Mathew** - Real Time Imaging of Nano-Neurosurgery Dynamics in *C. elegans*

18.00 dinner at the hotel

20.00 social sponsored by Union Biometrica

Saturday 6.03.2010 - Grande 3

Session 3 Chair Hilde Nilsen

9.00 **Simon Tuck** - Neurological Dysfunctions are associated with defects in tRNA modification in *C. elegans* Elongator mutants.

9.20 **Lisa Salcini** - The *C. elegans* H3K27 demethylase UTX-1 is essential for normal development, independently of its enzymatic activity

9.40 **Gholamali Jafari** - A Novel Allele Class of *mig-6* Causes a Twisted Pharynx Phenotype that is Indicative of Extracellular Matrix Defects

10.00 **Lois Tang** - Asymmetric regulation of the homeobox gene *ceh 5* in early embryogenesis in *C. elegans*

10.20 coffee break

Session 4 Chair Anders Olsen

10.40 **Brian Piasecki** - RFX-Mediated Transcriptional Rewiring of Ciliary Genes in Animals

11.00 **Cong Yu Jin** - Searching for cis-regulatory elements in promoter regions of *C. elegans* proteasome subunits

11.20 **Liisa Heikkinen** - MicroRNAs, transcription and targets in *Caenorhabditis elegans*

11.40 **Agata Smialowska** - Functional Analysis of Viral RNAi Suppressors - A Model System Approach

12.00 lunch buffet

13.00 Workshop - Future of the Network - Co-chairs Garry Wong and Lisa Salcini

14.00

Attended Poster Session and Coffee

Geert Hamer - Photoconvertible reporter system reveals Cell type- and age-specific activity of the ubiquitin-proteasome system in vivo

Johan Henriksson - Endrov and Virtual-Worm Base - A new standard platform and workflow for storage, viewing and analysis of microscopy images and related data

Olli Matilainen - Effects of Insulin/Insulin-like signalling on activity of the ubiquitin-proteasome system

Ming Sheng - *rsk-1* regulates fat metabolism in *C. elegans*

Kaja Reisner - *C. elegans* as a model for studying endocannabinoid signalling

Martina Rudgalvyte - Global miRNA expression profiling of *C. elegans* Parkinson's disease models

Aida Vahdat Shariatpanahi - Development of an AA-amyloid model in *C. elegans*

Session 5 Chair Gunilla Westermark

15.00

Juan Carlos Fiero-Gonzalez - The thioredoxin TRX-1 modulates the insulin-like signaling pathway to regulate dauer formation in *C. elegans*

15.20

Gautam Kao - GRP-94 acts in concert with ASNA-1 to promote insulin secretion

15.40

Nils Faergeman - Functional analyses of acyl-CoA binding proteins reveal tissue- and paralog specific functions in lipid storage and fatty acid degradation in *C. elegans*.

16.00

Henok Kassahun - Involvement of DNA repair in response to 5-fluorouracil

16.20

Johan Henriksson - A new model of *C. elegans* embryogenesis with cell contacts and spatio-temporal gene expressions generated with VW-Base and Endrov

16.40

Sanne Gottschalk - The Antimicrobial Peptide Fallaxin FL9 Affects RNAlII Expression in *Staphylococcus aureus*

Closing of the Session Erkki Truve, Kaja Reisner and Garry Wong

19.00

dinner at Restaurant Kloostriait , Vene tänav 14

Sunday 7.03.2010

10.00

Tallinn City Tour