

NBCNS research meeting on "Pediatric Tumors of the Nervous system"

Symposium on the Biology of Cancer

Foresta, Lidingö, March 22-23, 2012

Thursday, March 22

09.00 Registration, coffee

10.00 Welcome addresses, **Birgitta Lannering and Olle Björk****Session I, Development and Tumor Cell Differentiation. Chair: Sven Pålman**10.20 **Marianne Bronner-Fraser**, Pasadena, California
*Development of the Neural Crest*11.05 **Marie Arsenian Henriksson**, Stockholm
*MYCN and Differentiation Control in Neuroblastoma*11.30 **Sven Pålman**, Malmö
Hypoxia and Effects on Tumor Cell Differentiation Stage

12.00 LUNCH

Session II, Glioma Stem Cells/Cell of Origin. Chair: Peter Siesjö13.15 **Richard Gilbertson**, Memphis, Tennessee
*Mapping Cancer Origins*14.00 **Lene Uhrbom**, Uppsala
*Cell of Origin Dictates Malignancy of Glioma Initiating Cells*14.20 **Ola Hermanson**, Stockholm
*ChIP Ahoy: Transcriptional and Epigenetic Regulators of Neural Stem and Cancer Cell State*14.40 **Fredrik Swartling**, Uppsala
*MYCN Stabilization During Brain Tumor Formation*14.50 **Karin Forsberg-Nilsson**, Uppsala
Heparan Sulfate Proteoglycans in Neural Progenitors and Brain Tumors

15.00 COFFEE

Session III, Circulating Tumor Cells. Chair: Marie Arsenian Henriksson15.30 **Harriet Wikman**, Hamburg
*Circulating Tumor Cells: Biology & Clinical Relevance*16.10 **Mattias Belting**, Lund
*Exosomes as Mediators and Biomarkers of Hypoxic Signalling in Glioblastoma*16.30 **Maria Ferletta**, Uppsala
*Induced Expression of Sox21 Inhibits Glioma Progression in vivo by Stimulating Aberrant Differentiation*16.40 **Olesja Fornara**, Stockholm
Cytomegalovirus Infection of Primary Glioblastoma Cells Induces Stemness through a Notch-dependent Pathway

- 16.50 **Sara Fritzell**, Lund
Combined Chemo- and Immunotherapy of Experimental Gliomas
- 17.00 Funding distribution, **Olle Björk**
- 18.30 DINNER
- 19.30 Poster session
- 21.00 LIVE BAND & DANCE

Friday, March 23

Session IV, Translation. Chair: Birgitta Lannering

- 09.00 **Jacques Grill**, Villejuif, Paris
Molecular Classification and Target Definition in Pediatric High-grade Gliomas
- 09.45 **Per Kogner**, Stockholm
Molecular Subgrouping and Translational Neuroblastoma Research
- 10.10 **Malin Wickström**, Stockholm
In vitro and in vivo Inhibition of Neuroblastoma Cell Growth by Targeting the Hedgehog Signal Transduction Pathway at the Level of GLI
- 10.20 **Zhi Xiong Chen**, Stockholm
RNA Helicase A is Essential for 1p36 Gene KIF1B β Tumor Suppression in Neuroblastomas
- 10.30 COFFEE

Session V, Genetics. Chair: Per Kogner

- 11.00 **Angelica Eggert**, Essen
Lessons Learnt from Neuroblastoma Genomics and Transcriptomics
- 11.40 **Katleen de Preeter**, Ghent
Unravelling the Transcriptional Networks Implicated in Neuroblastoma Formation through Cross-genomics Analysis
- 12.20 **David Gisselsson Nord**, Lund
Reverse Engineering in Silico of Neuroblastoma Nomes
- 12.40 LUNCH

Session VI, Brain Plasticity. Chair: Klas Blomgren

- 14.00 **Kirk Erickson**, Pittsburgh, Pennsylvania
The Effects of Physical Exercise on Brain Plasticity
- 14.40 **Klas Blomgren**, Stockholm
Exercise, Stem Cell Transplantation and Brain Plasticity
- 15.00 Concluding remarks, **Per Kogner and Jacques Grill**
- 15.15 Close of meeting