



The 10th NBCNS Research Meeting, November 6 – 7, 2017

Monday November 6

10.30 – 11.30 *Registration* at Clarion Hotel Gillet, floor 1

11.30 – 12.30 *Lunch*

12.30 – 12.40 **Welcome**
Per Kogner and Ingrid Øra, NBCNS
Gillesalen

Neuroblastoma

Chairs: Ruth Palmer, University of Gothenburg and Tommy Martinsson, University of Gothenburg

12.40 – 13.20 **Treatment for High Risk Neuroblastoma: Complex Success**
Julie Park, Seattle Children's Hospital, University of Washington

13.25 – 13.35 **Whole genome sequencing for precision medicine in neuroblastoma high-risk patients - Translation from research to clinical practice in Sweden**
Susanne Fransson, University of Gothenburg

13.40 – 13.50 **High-throughput drug screen identifies compounds selectively targeting neuroblastoma**
Karin Hansson, Lund University

13.55 – 14.05 **Identification and characterization of novel fusion proteins in neuroblastoma**
Johan Holmberg, Karolinska Institutet

14.10 – 14.15 General discussion

14.15-14.35 *Coffee*

Diffuse Intrinsic Pontine Glioma

Chairs: Fredrik Swartling, Uppsala University and Stefan Holm, Karolinska University Hospital

14.35 – 15.15 **Using genomics and epigenomics to uncover potential therapeutic targets in DIPG**
Cynthia Hawkins, The Hospital for Sick Children

15.20 – 15.45 **Convection enhanced delivery (CED) as treatment for DIPG** (*preliminary title*)
Stergios Zacharoulis, Royal Marsden Hospital, Harley Street Clinic

15.50 – 15.55 General discussion



Poster session, visit to the Skandion clinic and dinner

- 16.00 – 16.25 Rapid fire oral poster presentations
Chairs: Ingrid Øra, Lund University and Per Kogner, Karolinska Institutet
- 16.30 – 18.30 Poster viewing (floor 1)
- 16.30 – 18.30 Visit to Skandionkliniken/The Skandion Clinic, a clinic for proton therapy
- 19.00 – 20.30 Dinner (Banqueting room, floor 0)
- 20.30 – 21.30 Poster viewing and dessert (floor 1)
- 21.30 Music by Lighthouse Sweden (Banqueting room, floor 0)

Tuesday November 7

- 8.30 – 9.45 **Clinical case discussions**
Aros and Gillesalen
- Pediatric CNS tumors with focus on DIPG**
Chairs: Magnus Sabel, University of Gothenburg and Peter Siesjö, Lund University
- Neuroblastoma**
Chairs: Ingrid Øra, Lund University and Trond Flægstad, University of Tromsø
- 9.45-10.00 *Coffee*
- Immunotherapy and microenvironment**
Chairs: John Inge Johnsen, Karolinska Institutet and Anna Darabi, Lund University
- 10.00 – 10.40 **Immunotherapy and immune regulation in childhood cancers (preliminary title)**
John Anderson, Institute of Child Health, University College London
- 10.45 – 10.55 **Engineered neuroblastoma cellular immunotherapy**
Julie Park, Seattle Children's Hospital, University of Washington
- 11.00 – 11.10 **MYCN mediated metabolic processes in MYCN-amplified neuroblastoma**
Marie Arsenian Henriksson, Karolinska Institutet



Pediatric CNS tumors

Chairs: Alexander Pietras, Lund University and Lene Uhrbom, Uppsala University

11.20 – 11.30 **Reversal of mesenchymal transition in order to sensitize glioblastoma cells**
Anna Segerman, Uppsala University

11.35 – 11.45 **Tumor subgroup-specific DNA methylation profiles of patient-derived stem cells from pediatric glioblastoma in relation to radiotherapy-induced alterations**
Anna Danielsson, University of Gothenburg

11.50 – 12.00 **Genome wide analysis reveals cross-talk between retinoic acid, the H3K27 demethylase KDM6B/JMJD3, and the TGF β signaling mediator SMAD3 in human medulloblastoma cells**
Ola Hermanson, Karolinska Institutet

12.05 – 12.15 **Dormant SOX9+ cells cause MYC-driven medulloblastoma recurrence**
Fredrik Swartling, Uppsala University

12.20 – 12.30 General discussion

12.30 - 13.30 *Lunch*

From animal studies to early clinical trials

Chairs: Lars Åhrlund Richter, Karolinska Institutet and Helena Carén, University of Gothenburg

13.30 – 14.10 **Pediatric solid tumor biology and therapeutics (preliminary title)**
Louis Chesler, The Institute of Cancer Research

14.15 – 14.25 **The preclinical cancer treatment center Uppsala**
Fredrik Swartling, Uppsala University

14.25 – 14.30 General discussion

Information and update

14.30 – 14.40 Gustav Ljungman, Barntumörbanken/The Swedish Biobank for Childhood Tumors

14.40 – 14.50 Kerstin Sollerbrant, Barncancerfonden/Swedish Childhood Cancer Foundation

14.50 – 15.00 Concluding remarks

15.00 *Coffee*