



The 14th NBCNS Research Meeting, November 7-8, 2024

Thursday November 7

10.30 – 11.30 *Registration*

11.30 – 12.30 *Lunch*

12.30 – 12.40 **Welcome;** Ola Hermanson and Klas Blomgren, Karolinska Institutet

Neuroblastoma I

Chairs: Daniel Bexell, Lund University and Malin Wickström, Karolinska Institutet

12.40 – 13.25 **Precision therapies for childhood cancer: ALK inhibition paves the way.**
Yael Mossé, University of Pennsylvania (UPenn) & Children's Hospital of Philadelphia (CHOP), Philadelphia, PA, USA

13.25 – 13.40 **Epigenetic regulation of cell state by H2AFY governs immunogenicity in high-risk neuroblastoma.** Divya Nagarajan, Uppsala University

13.40 – 13.55 **Circadian clock disruption in relation to prognosis and metabolic adaptation in neuroblastoma.** Tomas Sjöberg-Bexelius, Karolinska Institutet

13.55 – 14.10 **Epitranscriptomic modifications in neuroblastoma: A promising new therapeutic target.** Roshan Vaid, Gothenburg University

14.10 – 14.40 *Coffee*

CNS tumors I

Chair: Fredrik Swartling, Uppsala, and Ola Hermanson, Karolinska Institutet

14.40 – 15.25 **Lineage-specific dependencies in paediatric-type diffuse high-grade glioma.**
Chris Jones, The Institute of Cancer Research, University of London, London, UK

15.25 – 15.40 **MYC-driven pediatric brain tumors share a common photoreceptor identity.**
Miao Zhao, Uppsala University

15.40 – 15.55 **Galectin-3 regulates amino acid uptake and is essential for sonic hedgehog-driven medulloblastoma.** Niek van Bree, Karolinska Institutet

15.55 – 16.10 **Patient- and xenograft-derived organoids recapitulate pediatric brain tumor features and patient treatments.** Chiara Lago, CIBIO, Trento, Italy/Lund University



Poster sessions

16.10 – 16.40 Rapid fire oral poster presentations

16.40 – 17.10 **Check-in**

17.10 – 18.00 Poster viewing part 1 (presenters at posters with odd numbers at place)

18.00 – 19.00 *Dinner*

19.00 – 19.50 Poster viewing part 2 (presenters at posters with even numbers at place)

20.00 – 22.00 Poster viewing part 3 with open discussions

Disco, networking, & bar (at your own expense) open til 24:00

Friday November 8

7.00 – 9.00 **Breakfast**

Clinical trials - Neuroblastoma

Chairs: Torben Ek, Gothenburg University/Sahlgrenska University Hospital, and Per Nyman, Linköping University/Linköping University Hospital

9.00 – 9.45 **GD2-CART01 for patients with R/R HR-neuroblastoma and beyond.**
Francesca del Bufalo, IRCCS, Bambino Gesù Children's Hospital, Rome, Italy

9.45-10.00 **Preliminary results from the LuDO-N trial.**
Kleopatra (Clary) Georgantzi, Karolinska Institutet/Karolinska University Hospital

10.00 – 10.30 *Coffee and **checkout***

Neuroblastoma II

Chairs: Ruth Palmer, Gothenburg University, and Johan Holmberg, Umeå University

10.30 – 11.00 **The Swedish Childhood Cancer Fund young researcher of the year 2024. Decode and target the non-random metastatic behavior of neuroblastoma.**
Catharina Hagerling, Lund University

11.00 – 11.15 **Targeted protein degradation of GSPT1 as a novel therapeutic approach in chemoresistant neuroblastoma.** Aleksandra Adamska, Lund University



- 11.15 – 11.30 **Genomic alterations in CACNA2D3 disrupt neuronal differentiation and drive metastasis by impairing phase-separation-mediated epigenetic regulation in high-risk neuroblastoma.** Bharat Prajapati, Gothenburg University
- 11.30 – 11.45 **Single cell sequencing from paired samples reveal neuroblastoma transcriptional evolution from primary tumors to metastasis.** Oscar C. Bedoya-Reina, Karolinska Institutet
- 11.45 – 12.00 **Exploring the combinatorial potential of the ROCK2-specific inhibitor KD025 for neuroblastoma therapy.** Conny Tümmler, Karolinska Institutet
- 12.00 - 13.00 *Lunch*

Scientific methodology and infrastructure

Chair: Helena Carén, University of Gothenburg, and Clary Georgantzi, Karolinska Institutet/Karolinska University Hospital

- 13.00 – 13.45 **Ultra-fast deep-learned CNS tumor classification during surgery.** Jeroen de Ridder, UMC Utrecht, Utrecht, The Netherlands
- 13.45 – 14.00 **The Swedish Childhood Tumor Biobank - A national omics and tissue research resource for pediatric tumors.** Johanna Sandgren, Karolinska Institutet/Karolinska University Hospital
- 14.00 – 14.10 **The Swedish Childhood Cancer Fund (Barncancerfonden)** Monika Ehnman, research coordinator, BCF

CNS tumors II

Chair: Klas Blomgren, KI

- 14.10 – 14.55 **The yin and yang of cancer genetics - From molecular genetics to saving lives.** Uri Tabori, University of Toronto & SickKids, Toronto, Canada
- 14.55 – 15.10 **Prizes & concluding remarks** Ola Hermanson and Klas Blomgren, Karolinska Institutet
- 15.10 *Coffee, departure*