



# Pediatric Neuro-Oncology Symposium

October 15, 2022

Mayo Clinic – Rochester, Minnesota

\*All times listed CENTRAL time zone.

Saturday, October 15, 2022	
7:00 a.m.	Registration and Breakfast
7:45 a.m.	Inauguration <i>Cheryl L. Willman, M.D. - Chair, Mayo Cancer Center</i>
7:55 a.m.	Welcome Address <i>Paul J. Galardy, M.D. – Chair, Pediatric Hematology-Oncology, Mayo Clinic</i>
8:00 a.m.	Summary of Pediatric Brain Tumor Program at Mayo Clinic <i>Soumen Khatua, M.B.B.S., M.D. – Director, Pediatric Neuro Oncology, Mayo Clinic</i>
Translational Research / Immunotherapy	
<i>Session Chairs: Jann N. Sarkaria, M.D. and Daniel D. Billadeau, Ph.D.</i>	
8:15 a.m.	Medulloblastoma is Cancer of the <i>Homo Sapiens</i> Rhombic Lip <i>Michael Taylor M.D., Ph.D. – Chair, Neurosurgery, Hospital for Sick Children, Toronto</i>
8:40 a.m.	Using Viruses to Recruit T Cells, and T Cells to Recruit Viruses, for the Viro-Immunotherapy of Pediatric Gliomas <i>Richard G. Vile, Ph.D. – Chair, Immuno-Virotherapy, Mayo Clinic</i>
9:05 a.m.	Repeated Locoregional HER2, EGFR, and B7-H3 CAR T Cells for Children with Recurrent CNS Tumors and DIPG <i>Nicholas A. Vitanza, M.D. - Physician Scientist, Fred Hutchinson Cancer Center/Seattle Children’s Hospital</i>
9:30 a.m.	Understanding Childhood Embryonal Brain Tumors Using Transposon-based Tools and Targeted Nucleases <i>David A. Largaespada, Ph.D. – Chair, Brain Tumor Program, Masonic Cancer Center, University of Minnesota</i>
9:55 a.m.	Panel
10:05 a.m.	Break and Refreshments
Neurosurgery	
<i>Session Chair: David J. Daniels, M.D., Ph.D.</i>	
10:20 a.m.	Pediatric Brain Tumors—The Greatest Healthcare Disparity <i>Frederick A. Boop, M.D. – Chair, Neurosurgery, St. Jude Children’s Research Hospital</i>
10:45 a.m.	Stereotactic Intervention for Tumor Diagnosis and Therapy: Biopsy + Laser Ablation <i>Kai J. Miller, M.D., Ph.D. - Neurosurgery, Mayo Clinic</i>
11:00 a.m.	From Neurosurgery to Histones <i>David J. Daniels, M.D., Ph.D. - Neurosurgery, Mayo Clinic</i>
11:15 a.m.	Management of NF2 in the Pediatric Population with the Goal of Long-Term Hearing Preservation and Rehabilitation <i>Michael J. Link, M.D. - Neurosurgery, Mayo Clinic</i>
11:30 a.m.	Anatomical Development of the Skull Base in Children Related to Endoscopic Endonasal Surgery <i>Maria Peris Celda, M.D., Ph.D. - Neurosurgery, Mayo Clinic</i>
11:45 a.m.	Panel
11:55 a.m.	Lunch

<b>Neuroradiology</b>	
<i>Session Chairs: Laurence J. Eckel, M.D. and Derek R. Johnson, M.D.</i>	
12:40 p.m.	How Artificial Intelligence (AI) Will Impact Brain Tumor Imaging <i>Bradley J. Erickson, M.D., Ph.D. - Radiology, Mayo Clinic</i>
1:05 p.m.	MRI Flashcards: 24 Tumors in 12 Minutes Flat <i>Laurence J. Eckel, M.D. - Radiology, Mayo Clinic</i>
1:20 p.m.	Integrated Physiologic Brain Tumor Imaging <i>Jay J. Pillai, M.D. - Radiology, Mayo Clinic</i>
1:35 p.m.	Imaging of Late Complications of Radiation Therapy <i>Derek R. Johnson, M.D. - Radiology, Mayo Clinic</i>
1:50 p.m.	Panel
<b>Radiation Oncology</b>	
<i>Session Chair: Anita Mahajan, M.D.</i>	
2:00 p.m.	Molecular Markers for Pattern of Relapse After RT for Medulloblastoma <i>John T. Lucas Jr., M.S., M.D. - Radiation Oncology, St. Jude Children's Research Hospital</i>
2:25 p.m.	Radiation Induced Neurocognitive Morbidity Reduction <i>Nadia N. Laack, M.D. - Radiation Oncology, Mayo Clinic</i>
2:50 p.m.	Radiation-related Pseudoprogression <i>Safia K. Ahmed, M.D. - Radiation Oncology, Mayo Clinic</i>
3:05 p.m.	Palliation for Pediatric Brain Tumors <i>Tamara Z. Vern-Gross, D.O. - Radiation Oncology, Mayo Clinic</i>
3:20 p.m.	Panel
3:30 p.m.	Break and Refreshments
<b>Multidisciplinary Session</b>	
<i>Session Chairs: Gesina F. Keating, M.D., Jonathan D. Schwartz, D.O., M.P.H., and Rachael A. Vaubel, M.D., Ph.D.</i>	
3:45 p.m.	Genetic Predisposition for Gliomagenesis <i>Robert B. Jenkins, M.D., Ph.D. - Laboratory Medicine and Pathology, Mayo Clinic</i>
4:10 p.m.	DNA Methylation-based Classification of Pediatric Brain Tumors for Diagnostics and Clinical Trial Stratification <i>Brent A. Orr, M.D., Ph.D. - Division Director, Anatomic Pathology and Neuropathology, St. Jude Children's Research Hospital</i>
4:35 p.m.	Endocrinology: Year-In-Review <i>Aida N. Lteif, M.D. - Endocrinology, Mayo Clinic</i>
4:50 p.m.	Neurocognitive Late Effects of Radiotherapy: Proton vs. Photon <i>Andrea R. Huebner, Ph.D., L.P. - Neuropsychology, Mayo Clinic</i>
5:05 p.m.	Panel
5:15 p.m.	Closing Remarks <i>Jonathan D. Schwartz, D.O., M.P.H. - Pediatric Neuro Oncology, Mayo Clinic</i>
5:20 p.m.	Adjourn