

# Pediatric Neuro-Oncologic Imaging Course



**PBII**  
Pediatric Biomedical  
Imaging Initiative

## Saturday, October 26

7:30 a.m. – 8:00 a.m.	<b>Check-in</b> <b>Continental Breakfast</b>	MTC Atrium MTC Board Room
8:00 a.m. – 8:15 a.m.	<b>Welcome &amp; Introduction</b> Zoltán Patay, MD, PhD St. Jude Children's Research Hospital	MTC Lecture Hall
8:15 a.m. – 9:00 a.m.	<b>Keynote: St. Jude Mission – Past, Present, and Future</b> Terrence L. Geiger, MD, PhD St. Jude Children's Research Hospital	MTC Lecture Hall
9:05 a.m. – 9:35 a.m.	<b>Molecular classification of pediatric CNS tumors</b> David Ellison, MD, PhD St. Jude Children's Research Hospital	MTC Lecture Hall
9:40 a.m. – 10:10 a.m.	<b>Imaging support for surgery in pediatric CNS tumors</b> Asim F. Choudhri, MD University of Tennessee Health Science Center Le Bonheur Children's Hospital	MTC Lecture Hall
10:10 a.m. – 10:30 a.m.	<b>Morning Break</b>	MTC Board Room
10:30 a.m. – 11:00 a.m.	<b>Response assessment in pediatric CNS tumors</b> Asim Bag, MD St. Jude Children's Research Hospital	MTC Lecture Hall
11:05 a.m. – 11:40 a.m.	<b>Principles of Immunotherapy in pediatric CNS tumors</b> Paul G. Thomas, PhD St. Jude Children's Research Hospital	MTC Lecture Hall
11:45 a.m. – 12:20 p.m.	<b>State of the art radiation therapy of pediatric CNS tumors</b> Thomas E. Merchant, DO, PhD St. Jude Children's Research Hospital	MTC Lecture Hall
12:20 p.m. – 1:15 p.m.	<b>Lunch Break</b>	MTC Board Room
1:15 p.m. – 1:35 p.m.	<b>Tumor mimics (response system)</b> Thierry A.G.M. Huisman, MD, PD Texas Children's Hospital	MTC Lecture Hall
1:40 p.m. – 2:10 p.m.	<b>The ongoing treatment revolution of pediatric CNS tumors</b> Giles W. Robinson, MD St. Jude Children's Research Hospital	MTC Lecture Hall
2:15 p.m. – 2:35 p.m.	<b>Early detection of radiation injury in children with primary brain tumors</b> Susan Palasis, MD Lurie Children's Hospital of Chicago Feinberg School of Medicine, Northwestern University	MTC Lecture Hall
2:40 p.m. – 3:05 p.m.	<b>Imaging of late side effects of cancer treatment in children</b> Noah D. Sabin, MD, JD St. Jude Children's Research Hospital	MTC Lecture Hall
3:05 p.m. – 3:25 p.m.	<b>Afternoon Break</b>	MTC Board Room

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3:25 p.m. – 3:50 p.m.	<b>Neurocognitive toxicity in children treated for CNS tumors</b> Heather M. Conklin, PhD St. Jude Children's Research Hospital	MTC Lecture Hall
3:55 p.m. – 4:15 p.m.	<b>Postoperative cerebellar mutism syndrome</b> Zoltán Patay, MD, PhD St. Jude Children's Research Hospital	MTC Lecture Hall
4:20 p.m. – 4:55 p.m.	<b>Diffusion Imaging of Pediatric Brain Tumors</b> Tina Y. Poussaint, MD Harvard Medical School Boston Children's Hospital	MTC Lecture Hall
5:00 p.m. – 5:25 p.m.	<b>Perfusion imaging of pediatric brain tumors</b> Arastoo Vossough, MD, PhD Children's Hospital of Philadelphia President, American Society of Pediatric Neuroradiology	MTC Lecture Hall

## Sunday, October 27

7:30 a.m. – 8:00 a.m.	<b>Check-in</b> <b>Continental Breakfast</b>	MTC Atrium MTC Board Room
8:00 a.m. – 8:05 a.m.	<b>Welcome</b>	MTC Lecture Hall
8:10 a.m. – 8:35 a.m.	<b>MR spectroscopy in pediatric brain tumors</b> Aashim Bhatia, MD, MS Children's Hospital of Pittsburgh of UPMC	MTC Lecture Hall
8:40 a.m. – 9:10 a.m.	<b>Molecular Imaging in pediatric CNS tumors</b> Barry L. Shulkin, MD St. Jude Children's Research Hospital	MTC Lecture Hall
9:15 a.m. – 9:35 a.m.	<b>Imaging of metastasis in pediatric CNS tumors</b> Julie H. Harreld, MD St. Jude Children's Research Hospital	MTC Lecture Hall
9:40 a.m. – 10:00 a.m.	<b>Imaging Gently (anaesthesia and Gadolinium)</b> Sumit Pruthi, MD Monroe Carell, Jr. Children's Hospital at Vanderbilt	MTC Lecture Hall
10:00 a.m. – 10:20 a.m.	<b>Morning Break</b>	MTC Board Room
10:25 a.m. – 11:00 a.m.	<b>Gliomas: Pathology</b> Jason C. Chiang, MD, PhD St. Jude Children's Research Hospital	MTC Lecture Hall
11:05 a.m. – 11:25 a.m.	<b>Gliomas: Imaging (diffuse astrocytic and oligodendroglial tumors)</b> Sumit Pruthi, MD Monroe Carell, Jr. Children's Hospital at Vanderbilt	MTC Lecture Hall
11:30 a.m. – 11:50 a.m.	<b>Gliomas: Imaging (DIPG)</b> Tina Y. Poussaint, MD Harvard Medical School Boston Children's Hospital	MTC Lecture Hall
11:55 a.m. – 12:25 p.m.	<b>Interesting Cases</b> Thierry A.G.M. Huisman, MD, PD Texas Children's Hospital	MTC Lecture Hall

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12:25 p.m. – 1:15 p.m.	<b>Lunch Break</b>	MTC Board Room
1:15 p.m. – 1:35 p.m.	<b><i>Gliomas: Imaging (other astrocytic tumors)</i></b> Arastoo Vossough, MD, PhD Children's Hospital of Philadelphia President, American Society of Pediatric Neuroradiology	MTC Lecture Hall
1:40 p.m. – 2:00 p.m.	<b><i>Gliomas: Clinical management (astrocytic tumors)</i></b> Santhosh Upadhyaya, MD St. Jude Children's Research Hospital	MTC Lecture Hall
2:05 p.m. – 2:25 p.m.	<b><i>Gliomas: Imaging (ependymoma)</i></b> Noah D. Sabin, MD St. Jude Children's Research Hospital	MTC Lecture Hall
2:30 p.m. – 2:50 p.m.	<b><i>Gliomas: Clinical management (ependymomas)</i></b> Christopher L. Tinkle, MD, PhD St. Jude Children's Research Hospital	MTC Lecture Hall
2:50 p.m. – 3:10 p.m.	<b>Afternoon Break</b>	MTC Board Room
3:10 p.m. – 3:30 p.m.	<b><i>Spinal cord tumors</i></b> Susan Palasis, MD Lurie Children's Hospital of Chicago Feinberg School of Medicine, Northwestern University	MTC Lecture Hall
3:35 p.m. – 4:05 p.m.	<b><i>Embryonal tumors: Molecular pathology</i></b> Brent A. Orr, MD, PhD St. Jude Children's Research Hospital	MTC Lecture Hall
4:10 p.m. – 4:35 p.m.	<b><i>Embryonal tumors: Imaging</i></b> Zoltán Patay, MD, PhD St. Jude Children's Research Hospital	MTC Lecture Hall
4:40 p.m. – 5:05 p.m.	<b><i>Embryonal tumors: Clinical management</i></b> Giles W. Robinson, MD St. Jude Children's Research Hospital	MTC Lecture Hall
5:10 p.m. – 5:30 p.m.	<b><i>Management of hydrocephalus</i></b> Asim F. Choudhri, MD University of Tennessee Health Science Center Le Bonheur Children's Hospital	MTC Lecture Hall
5:30 p.m. – 7:00p.m.	<b><i>Course Reception</i></b> All course attendees are invited. Heavy hors d'oeuvres served.	MTC Atrium

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## Monday, October 28

7:30 a.m. – 8:00 a.m.	<b>Check-in</b> <b>Continental Breakfast</b>	MTC Atrium MTC Board Room
8:00 a.m. – 8:05 a.m.	<b>Welcome</b>	MTC Lecture Hall
8:10 a.m. – 8:30 a.m.	<b>Managing pediatric brain tumor patients</b> Kendri Herring St. Jude Children's Research Hospital	MTC Lecture Hall
8:35 a.m. – 8:55 a.m.	<b>Neuronal and mixed neuronal-glia tumors: Pathology</b> Jason C. Chiang, MD, PhD St. Jude Children's Research Hospital	MTC Lecture Hall
9:00 a.m. – 9:20 a.m.	<b>Neuronal and mixed neuronal-glia tumors: Imaging</b> Aashim Bhatia, MD, MS Children's Hospital of Pittsburgh of UPMC	MTC Lecture Hall
9:25 a.m. – 9:45 a.m.	<b>Neuronal and mixed neuronal-glia tumors: Clinical Management</b> Ibrahim A. Qaddoumi, MD, MS St. Jude Children's Research Hospital	MTC Lecture Hall
9:45 a.m. – 10:05 a.m.	<b>Morning Break</b>	MTC Board Room
10:05 a.m. – 10:25 a.m.	<b>Other tumors: Choroid plexus and other intraventricular tumors</b> Asim Bag, MD St. Jude Children's Research Hospital	MTC Lecture Hall
10:30 a.m. – 10:50 a.m.	<b>Other tumors: Craniopharyngioma</b> Noah D. Sabin, MD St. Jude Children's Research Hospital	MTC Lecture Hall
10:55 a.m. – 11:25 a.m.	<b>Cancer predisposition syndromes associated with development of CNS tumors</b> Kim E. Nichols, MD St. Jude Children's Research Hospital	MTC Lecture Hall
11:30 a.m. – 11:50 a.m.	<b>Cancer predisposition syndromes: Imaging challenges</b> Zoltán Patay, MD, PhD St. Jude Children's Research Hospital	MTC Lecture Hall
11:55 a.m. – 12:00 p.m.	<b>Closing remarks and adjournment</b>	MTC Lecture Hall