



**PBII**

Pediatric Biomedical  
Imaging Initiative

A large, stylized white medical cross is centered in the background of the text. The cross is composed of solid white bars. The text is overlaid on a circular graphic that resembles a medical scanner or a cross-section of a head, with concentric circles and radial lines.

**Pediatric Neuro-Oncologic  
Imaging Course**

**October 26-28, 2019**

**Better Imaging. Better Outcomes.**



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# Pediatric Neuro-Oncologic Imaging Course

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Recent basic science discoveries have led to substantial paradigm changes in the classification, diagnosis and management of pediatric CNS tumors. As outcomes in pediatric oncology continue to improve, there is increasing awareness surrounding the importance of the quality of survival, as well.

This course is, therefore, focused on pediatric neuro-oncologic imaging and related topics (e.g. clinical management, side effects of treatment, outcomes) with high-profile, expert speakers from St. Jude Children's Research Hospital and around the United States.

The course program includes updates on state-of-the-art imaging techniques, current diagnostic and response criteria, the latest clinical management trends and options, as well as outcomes in pediatric neuro-oncology. It also addresses the translational diagnostic imaging and clinical aspects of latest basic-science discoveries in pediatric CNS tumors.

The principal goal of the course is to fill the knowledge and practice gaps (the difference between ideal practice and actual practice) and the educational needs to bridge those gaps of healthcare professionals involved in the care of pediatric CNS cancer patients.

During this course, attendees are expected to improve many of their professional competencies, including their pediatric oncology specific medical knowledge and patient care skills. Attendees will also enhance their ability to employ an evidence-based approach to practice and to work and develop effective communication in highly specialized interdisciplinary teams.

**For more information and to register, visit [www.stjude.org/PBII-education](http://www.stjude.org/PBII-education).**

**For questions, please email [Imaging@stjude.org](mailto:Imaging@stjude.org).**

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## PRESENTATION TITLE

## SPEAKER

Molecular classification of pediatric CNS tumors	David Ellison, MD, PhD
Cancer predisposition syndromes	Kim Nichols, MD
The ongoing treatment revolution of pediatric CNS tumors	Amar Gajjar, MD
Imaging support for surgery in pediatric CNS tumors	Asim Choudhri, MD
Principles of Immunotherapy in pediatric CNS tumors	Paul Thomas, PhD
State of the art radiation therapy of pediatric CNS tumors	Thomas Merchant, DO, PhD
Response assessment in pediatric CNS tumors	Asim Bag, MD
Early side effects of brain tumor treatment in children	Susan Palasis, MD
Imaging of late side effects of cancer treatment in children	Noah Sabin, MD
Neurocognitive toxicity in children treated for CNS tumors	Heather Conklin, PhD
Postoperative cerebellar mutism syndrome	Zoltán Patay, MD, PhD
DWI and DTI in pediatric CNS tumors	Tina Y. Poussaint, MD
MR spectroscopy in pediatric brain tumors	TBD
Perfusion imaging of pediatric brain tumors	Arastoo Vossough, PhD, MD
Imaging gently (anaesthesia and Gadolinium)	Sumit Pruthi, MD
Molecular imaging in pediatric CNS tumors	Barry Shulkin, MD
Imaging of metastasis in pediatric CNS tumors	Julie Harreld, MD
Management of hydrocephalus	Asim Choudhri, MD
Managing pediatric brain tumor patients in DI department	Kendri Herring

## Gliomas

Pathology	Jason Chiang, MD, PhD
Imaging (diffuse astrocytic and oligodendroglial tumors)	Sumit Pruthi, MD
Imaging (DIPG)	Tina Y. Poussaint, MD
Imaging (other astrocytic tumors)	Arastoo Vossough, PhD, MD
Clinical management (astrocytic tumors)	Santhosh Upadhyaya, MD
Imaging (ependymoma)	Noah Sabin, MD, JD
Clinical management (ependymomas)	Christopher Tinkle, MD, PhD

## Embryonal Tumors

Molecular pathology	Brent Orr, MD, PhD
Imaging	Zoltán Patay, MD, PhD
Clinical management	Giles Robinson, MD

## Neuronal and Mixed Neuronal-glial Tumors

Pathology	Jason Chiang, MD, PhD
Imaging	Zoltán Patay, MD, PhD
Clinical management	Ibrahim Qaddoumi, MD

## Other Tumors

Retinoblastoma	Zoltán Patay, MD, PhD
Spinal cord tumors	Susan Palasis, MD
Choroid plexus and other intraventricular tumors	Asim Bag, MD
Craniopharyngioma	Noah Sabin, MD, JD
Tumor mimics	Thierry Huisman, MD

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## SPEAKERS

### **Asim Bag, MD**

Associate Member  
Department of Diagnostic Imaging  
St. Jude Children's Research Hospital

### **Jason Cheng-Hsuan Chiang, MD, PhD**

Assistant Member  
Department of Pathology  
St. Jude Children's Research Hospital

### **David Ellison, MD, PhD, FRCP, FRCPath, FRCPCH**

Chair  
Department of Pathology  
St. Jude Children's Research Hospital

### **Julie Harreld, MD**

Associate Member  
Department of Diagnostic Imaging  
St. Jude Children's Research Hospital

### **Thierry A.G.M. Huisman, MD**

Edward B. Singleton Chair of Radiology, Radiologist-in-Chief,  
Professor of Radiology, Pediatrics, Neurology and Neurosurgery  
Texas Children's Hospital

### **Kim Nichols, MD**

Director, Cancer Predisposition Division  
Department of Oncology

### **Susan Palasis, MD**

Division Chief, Pediatric Neuroradiology  
Lurie Children's Hospital of Chicago  
Professor  
Feinberg School of Medicine, Northwestern University

### **Tina Y. Poussaint, MD**

Professor of Radiology  
Harvard Medical School  
Director, PBTC Neuroimaging Center; IRB Chair  
Boston Children's Hospital

### **Ibrahim Qaddoumi, MD, MD**

Member, Department of Oncology  
Department of Global Pediatric Medicine  
St. Jude Children's Research Hospital

### **Noah Sabin, MD, JD**

Associate Member  
Department of Diagnostic Imaging  
St. Jude Children's Research Hospital

### **Paul G. Thomas, PhD**

Member  
Department of Immunology  
St. Jude Children's Research Hospital

### **Santhosh Upadhyaya, MD**

Instructor  
Department of Oncology  
St. Jude Children's Research Hospital

### **Asim F. Choudhri, MD**

Associate Chair-Research Affairs, Department of Radiology  
Professor of Radiology, Ophthalmology, and Neurosurgery  
University of Tennessee Health Science Center

### **Heather Conklin, PhD**

Chief, Section of Neuropsychology  
Department of Psychology  
St. Jude Children's Research Hospital

### **Amar Gajjar, MD**

Chair, Department of Pediatric Medicine  
Co-Chair, Department of Oncology  
St. Jude Children's Research Hospital

### **Kendri Herring**

Supervisor of MR, CT, NM  
Department of Diagnostic Imaging  
St. Jude Children's Research Hospital

### **Thomas Merchant, DO, PhD**

Chair  
Department of Radiation Oncology  
St. Jude Children's Research Hospital

### **Brent Orr, MD, PhD**

Medical Director, Anatomic Pathology  
Department of Pathology  
St. Jude Children's Research Hospital

### **Zoltán Patay, MD, PhD**

Chair  
Department of Diagnostic Imaging  
St. Jude Children's Research Hospital

### **Sumit Pruthi, MD**

Associate Professor, Radiology & Pediatrics  
Chief, Pediatric Neuroradiology  
Fellowship Director, Pediatric Radiology  
Monroe Carrell, Jr. Children's Hospital at Vanderbilt

### **Giles Robinson, MD**

Assistant Member  
Department of Oncology  
St. Jude Children's Research Hospital

### **Barry Shulkin, MD**

Chief, Nuclear Medicine Division  
Department of Diagnostic Imaging  
St. Jude Children's Research Hospital

### **Christopher Tinkle, MD, PhD**

Assistant Member  
Department of Diagnostic Imaging  
St. Jude Children's Research Hospital

### **Arastoo Vossough, PhD, MD**

Associate Professor of Radiology  
Children's Hospital of Philadelphia  
President, American Society of Pediatric Neuroradiology

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## PAYMENT & REGISTRATION

### Early Bird Registration is through Monday, September 2.

Registration Fee	\$350
St. Jude Employees*	\$150
Students and Fellows*	\$125

### Regular Registration is through Monday, October 14.

Registration Fee	\$450
St. Jude Employees*	\$200
Students and Fellows*	\$175

*\*Note that documentation of your employee, student, or trainee status may be required at check-in.*

St. Jude Students and Fellows, please contact [Imaging@stjude.org](mailto:Imaging@stjude.org) regarding registration.

If you have any trouble paying for the course via PayPal, this can pose difficulties with international payments, please email [Imaging@stjude.org](mailto:Imaging@stjude.org) for alternative payment options.

**For more information and to register, visit [www.stjude.org/PBII-education](http://www.stjude.org/PBII-education).**

**For questions, please email [Imaging@stjude.org](mailto:Imaging@stjude.org).**