

Pediatric Neuroscience Symposium 2023 Update

Monday, Nov. 6, 2023

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Clinical Collaboration

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Course Overview

The Pediatric Neuroscience Symposium 2023 Update is a one-day conference highlighting the frontiers in clinical care and translational research within the Neuroscience Center and aiming to enhance education partnerships and collaboration. Frontiers in clinical care related to advances in neuromuscular medicine, movement disorders, neuro-immunology, epilepsy and neurogenetics will be presented. Translational research in the fields of optics and neuro-oncology will be discussed

Course Objectives

Upon completion of this course, participants should be able to:

1. Enhance their knowledge related to advances in clinical and basic science research within pediatric neuroscience
2. Apply acquired knowledge regarding the diagnosis and treatment of pediatric neuroscience-related disorders to clinical practice
3. The program will foster an environment of collaboration among participants and institutions

General Information and Registration Fees

The conference will be held at Children's Hospital of Philadelphia in the HUB Auditorium. The registration fee includes registration materials, continental breakfast, lunch, breaks and parking.

Physicians and other healthcare providers..... \$100
Non-neuroscience CHOP providers..... \$75

ACCME Accreditation Statement

Children's Hospital of Philadelphia is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.

AMA Credit Designation Statement

Children's Hospital of Philadelphia designates this live activity for a maximum of 7.0 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Cancellation and Refund Policy

Children's Hospital of Philadelphia reserves the right to cancel or postpone any course due to any unforeseen circumstances. In the event of cancellation or postponement, the Hospital will refund registration fees, but is not responsible for any related costs, charges, or expenses to participants, including cancellation charges assessed by airlines or travel agencies. In order to process refunds, cancellations must be received in writing by Monday, Oct. 30, 2023. No refunds will be issued thereafter.

Services for People with Disabilities

If special arrangements are required for an individual with a disability to attend this meeting, please contact the Continuing Medical Education Department at CMEOffice@chop.edu.

REGISTRATION: chop.cloud-cme.com

PROGRAM | Monday, Nov. 6, 2023

- 8 a.m. Registration and Continental Breakfast
- 8:30 a.m. **Welcome and Introduction**
Brenda Banwell, MD
- 8:45 a.m. **Targeted Therapy for a Genetic Epilepsy: From Patient to Lab to Clinical Trial**
Ethan M. Goldberg, MD, PhD
- 9:30 a.m. **Precision Neuroimmunology: Insights into Immune Signatures in Pediatric Multiple Sclerosis (MS) and Myelin Oligodendrocyte Glycoprotein Antibody Disease (MOGAD)**
Brenda Banwell, MD
Amit Bar-Or, MD
- 10:15 a.m. **Break**
- 10:30 a.m. **Building Infrastructure for Accelerated Brain Tumor Discovery**
Phillip B. Storm, MD
Adam Resnick, PhD
- 11:15 a.m. **Immunotherapy for Pediatric Brain Tumors**
Peter Madsen, MD
- Noon **Outside-In: Using Optics to Visualize Brain Function**
Wes Baker, PhD
Tracy M. Flanders, MD, MSCE
- 12:45 p.m. **Lunch**
- 1:45 p.m. **Inherited Neuromuscular Disorders – No Longer Doomed to Only Supportive Care?**
John Brandsema, MD
Sabrina W. Yum, MD
- 2:45 p.m. **Surgical Interventions for Epilepsy**
Sudha Kilaru Kessler MD, MSCE
Benjamin C. Kennedy, MD
- 3:15 p.m. **Movement Disorders and Surgical Treatment Strategies**
Nivedita Thakur, MD
Benjamin C. Kennedy, MD
- 4 pm **Wrap Up**
- 4:15 p.m. **Conference Adjourns**

Unless otherwise noted, faculty is from Children's Hospital of Philadelphia and/or the Perelman School of Medicine at the University of Pennsylvania.

COURSE DIRECTORS

Sonika Agarwal, MBBS, MD

*Attending Physician, Division of Neurology
Clinical Chair, CHOP Family STEPS Program
Associate Professor of Clinical Neurology and Pediatrics*

Brenda Banwell, MD

*Chief of Neurology and Co-Director of the Neuroscience Center
Co-Director, Age-Span NeuroImmune Program
Professor of Neurology and Pediatrics*

Susan E. Melamed, MSN, CRNP, RN

*Nurse Practitioner
Clinical Program Director, Division of Neurology and Neuroscience*

Marisa S. Prelack, MD

*Attending Physician, Division of Neurology
Assistant Professor of Clinical Neurology*

COURSE FACULTY

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Assistant Professor of Neurology

Amit Bar-Or, MD

*Director, Center for Neuroinflammation and Neurotherapeutics
Co-Director, Age-Span NeuroImmune Program
Chief, Division of MS, and Related Disorders
Melissa and Paul Anderson Distinguished Professor*

John Brandsema, MD

*Pediatric Neurologist, Division of Neurology
Neuromuscular Section Head
Associate Professor of Clinical Neurology*

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Co-Director of Prenatal and Neonatal Neurosurgery*

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*Attending Physician and Director of Neurosurgical Oncology, Division of Neurosurgery
Director of Translational Research, The Center for Data-Driven Discovery in Biomedicine (D3b)*

Adam Resnick, PhD

*Research Scientist, Department of Biomedical and Health Informatics
Director, Center for Data-Driven Discovery in Biomedicine (d3b.center)*

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Professor of Neurosurgery*

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Attending Physician
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Sabrina W. Yum, MD

*Co-Director, Brachial Plexus Injury program
Director, Neuromuscular Education
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