

Fourth Annual
Johns Hopkins
**Traumatic Brain
Injury Conference**

*New Perspectives on
Childhood Injuries*

Saturday, May 16, 2015
Chevy Chase Bank Conference Center • The Sheikh Zayed Tower
The Johns Hopkins Hospital • Baltimore, Maryland

Jointly Provided By
Kennedy Krieger Institute
Brain Injury Clinical Research Center

Kennedy Krieger Institute

This activity has been approved for AMA PRA Category 1 Credits™.



JOHNS HOPKINS
MEDICINE

Description

Traumatic brain injury (TBI) is now being recognized as a public health problem. TBI is an especially important issue when considering children, as the highest rate of reported injuries occurs across the pediatric age group. Furthermore, TBI is known to be the leading cause of acquired disability during childhood. Nevertheless, there is little evidence base for how to best evaluate and manage brain injury in children. This conference will directly focus on pediatric research and clinical models and will dedicate half of the talks to clinical research topics which will include discussion of functional outcomes after early childhood injury, measures of neuroplasticity, and new assessment, treatment, and educational/policy tools which can be used for clinical and rehabilitation management of children with TBI.

Who Should Attend

This activity is intended for health care professionals and researchers working in pediatric emergency medicine, trauma surgery, critical care medicine, neurology, neurosurgery, psychiatry, psychology, physical medicine and rehabilitation, sports medicine, and education.

Objectives

After attending this activity, the participant will demonstrate the ability to:

- Discuss newer evaluation tools being studied for diagnosis of TBI and evaluation of recovery from injury in children.
- Describe the range of long-term functional outcomes in children with abusive head trauma.
- Identify promising translational therapies that may provide neuroprotection for children after severe TBI.
- Identify the mechanisms and treatments involved in long-term plasticity and recovery following brain injury in children.

General Information

REGISTRATION

Saturday, May 16, 2015 • 7:30 – 8:00 a.m.

LOCATION

Chevy Chase Bank Conference Center
The Johns Hopkins Hospital
1800 Orleans Street
The Sheikh Zayed Tower, Main Level
Baltimore, Maryland 21287

The Johns Hopkins Hospital is located on Orleans Street between Broadway and Wolfe Streets.

Directions and Campus parking information are available on our website under the contact and travel section at www.HopkinsCME.edu. The closest public parking garage is the Orleans Street Garage, which is located across the skywalk from the main entrance to the hospital. Handicapped parking is also available in the Orleans Street Garage. Complimentary round-trip transportation for attendees staying at conference headquarters hotel will be provided. Johns Hopkins is smoke-free.

Note for Saturday activities only: Complimentary parking is available in the Washington Street Garage.

FEES

REGISTRATION CUT-OFF DATE: MAY 10, 2015

Methods of Payment: Payment by check or credit card must accompany the registration form prior to the activity. On-site payments

by credit card only. Foreign payments must be by credit card or with a U.S. Dollar World Money Order. The registration fee includes instructional materials, continental breakfast, refreshment breaks and lunch.

Physicians.....	\$275
Research Faculty/Nurses/Nurse Practitioners/ Allied Health Professionals.....	\$150
House Staff*/Post-Doc Fellows*.....	\$100
Active Duty*/Employees of DoD*/VA*.....	\$100
Optional Printed Syllabus (B/W).....	\$45
*with verification of status	

You will receive a confirmation by e-mail if you have provided your e-mail address. Otherwise confirmation will be sent by mail. If you have not received it by May 10, 2015, call (410) 502-9634 to confirm that you are registered. A certificate of attendance will be sent by June 30, 2015 to the e-mail address you provide on the registration form.

The Johns Hopkins University reserves the right to cancel or postpone any activity due to unforeseen circumstances. In this event, the University will refund the registration fee but is not responsible for travel expenses. Additionally, we reserve the right to change the venue to a comparable venue. Under such circumstances registrants will be notified as soon as possible.

LATE FEE AND REFUND POLICY

A \$50 late fee applies to registrations received after 5:00 p.m. ET on May 10, 2015. A handling fee of \$50 will be deducted for cancellation. An additional fee may apply for cancellation of other events, including workshops and social activities. Refund requests must be received by fax or mail by May 10, 2015. No refunds will be made thereafter. Transfer of registration to another Johns Hopkins conference in lieu of cancellation is not possible.

ACCREDITATION STATEMENT

This activity has been planned and implemented in accordance with the accreditation requirements and policies of the Accreditation Council for Continuing Medical Education (ACCME) through the joint providership of Johns Hopkins University School of Medicine and the Kennedy Krieger Institute. The Johns Hopkins University School of Medicine is accredited by the ACCME to provide continuing medical education for physicians.

CREDIT DESIGNATION STATEMENT

The Johns Hopkins University School of Medicine designates this live activity for a maximum of 8.75 *AMA PRA Category 1 Credits™*. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

OTHER CREDITS

American Academy of Nurse Practitioners National Certification Program

American Academy of Nurse Practitioners National Certification Program accepts *AMA PRA Category 1 Credit™* from organizations accredited by the ACCME.

American Academy of Physician Assistants

American Academy of Physician Assistants (AAPA) accepts certificates of participation for educational activities certified for *AMA PRA Category 1 Credit™* from organizations accredited by ACCME. Physician assistants may receive a maximum of 8.75 AAPA Category 1 CME credit(s) for completing this program.

American Nurses Credentialing Center

American Nurses Credentialing Center (ANCC) accepts *AMA PRA Category 1 Credit™* from organizations accredited by the ACCME.

Contact Hours for Non-Physicians

The Johns Hopkins University has approved this activity for 8.75 contact hours for non-physicians.

Professional Counselors and Therapists

This CE Program has been approved by the Maryland Board of Professional Counselors and Therapists for Category A CEUs.

Psychologists

The Johns Hopkins University School of Medicine is authorized by the Maryland State Board of Examiners of Psychologists as a provider of continuing education. The Johns Hopkins University School of Medicine maintains responsibility for this program. A certificate for 8.75 CEUs will be awarded upon completion of this activity.

Social Workers

The Maryland Board of Social Work Examiners certifies that this program meets the criteria for 8.75 credit hours of Category 1 or 8.75 CEUs of continuing education for social workers and associates licensed in Maryland. The Johns Hopkins University School of Medicine is an approved sponsor of the Maryland Board of Social Work Examiners for continuing education credits for licensed social workers in Maryland.

Additional Credits

Continuing Medical Education credit is being requested from other applicable medical specialty organizations. Please check the activity website for updated credit information.

Approval for ASHA credit is pending.

This program is pending approval by the National Association of Pediatric Nurse Practitioners (NAPNAP) for 8.75 NAPNAP contact hours, of which 1.0 are pharmacology (Rx) content.

Approval for OT's is pending.

Approval for PT's is pending.

POLICY ON SPEAKER AND PROVIDER DISCLOSURE

It is the policy of the Johns Hopkins University School of Medicine and the Kennedy Krieger Institute that the speaker and provider disclose real or apparent conflicts of interest relating to the topics of this educational activity, and also disclose discussions of unlabeled/unapproved uses of drugs or devices during their presentation(s). The Johns Hopkins University School of Medicine OCME has established policies in place that will identify and resolve all conflicts of interest prior to this educational activity. Detailed disclosure will be made in the activity handout materials.

SYLLABUS

All registrants will receive a flash drive with the slides and paper for note-taking. This is included in the cost of your registration. A link to the syllabus will be provided via email shortly before the activity begins if you prefer to study or print the syllabus. A printed copy may be ordered at the time of registration for an additional fee of \$45. The printed copy will be provided during activity registration. Cancellations or refunds for the printed copy will not be permitted.

HOTEL INFORMATION

We strongly encourage you to book your accommodations at the Embassy Suites Baltimore – Inner Harbor, which is the conference headquarters hotel. The Johns Hopkins Office of CME makes every effort to secure the best rate for overnight accommodations. The rate is part of a negotiated conference package that incorporates many services. By staying at the host hotel and booking within the room block, you help us maintain current conference benefits and keep future registration fees reasonable. Please consider this when making your overnight accommodations decision.

Embassy Suites Baltimore – Inner Harbor (800) 873-6668
222 Saint Paul Place (410) 727-2222
Baltimore, Maryland 21202-2087 FAX: (410) 685-4216
Web Site: www.embassysuites.com

HOTEL RESERVATION CUT-OFF DATE: APRIL 15, 2015

A limited block of sleeping rooms has been reserved for your convenience and will be available on a first come, first served basis.

The Embassy Suites Baltimore – Inner Harbor is an all-suite hotel located just a short walk from Baltimore's Inner Harbor. All guest rooms are

equipped with kitchenettes and one and two bedroom suites feature separate sleeping quarters. Complimentary all-American hot breakfast buffet and complimentary evening reception is included in hotel group rate.

Make reservations online at www.embassysuites.com using Group Code JHT or directly at <http://tinyurl.com/psnqkeu>. You may also call the hotel directly and specify that you are attending the Johns Hopkins Traumatic Brain Injury Conference to receive the special group rate of \$209 for a Junior Suite, single/double, or \$229 for a 1-Bedroom Queen Suite, single/double, plus tax. Complimentary roundtrip transportation will be provided 6:00 a.m. – 8:00 p.m. Both valet and self-parking are available on-site at an additional charge. Check-in time is 4:00 p.m. Check-out time is 12:00 p.m.

EVALUATION

A form will be available to attendees to evaluate each session and each speaker's presentation, as well as to identify future educational needs.

OUTCOMES SURVEY

A survey will be sent to all physician attendees within three months post activity to assist us in determining what impact this activity had on the attendee's practice.

AMERICANS WITH DISABILITIES ACT

The Johns Hopkins University School of Medicine and the Kennedy Krieger Institute fully comply with the legal requirements of the ADA and the rules and regulations thereof. *Please notify us if you have any special needs.*

Program

7:30 - 8:00	Registration and Continental Breakfast
8:00 - 8:05	Welcome and Conference Goals Colleen Koch, MD, MS, MBA, FACC, Courtney Robertson, MD and Stacy Suskauer, MD
8:05 - 8:30	Keynote Speaker Historical Perspective on Pathobiology of Developmental Brain Injury Michael Johnston, MD

Session 1: Neuroprotection in the Pediatric ICU

Moderators: Gary Fiskum, PhD and Robert Stevens, MD

8:30 - 8:55	Neurosurgery in Pediatric TBI: Indications and Complications Eric Jackson, MD
8:55 - 9:20	Neuroinflammation after Developmental Brain Injury Sujatha Kannan, MD
9:20 - 9:45	Translational Therapies for Pediatric TBI Courtney Robertson, MD
9:45 - 10:10	Altered Metabolism: How to Feed the Injured Brain Susanna Scafidi, MD
10:10 - 10:25	Questions and Answers
10:25 - 10:40	Refreshment Break

Session 2: Plasticity and Recovery after Pediatric Head Injury

Moderators: Raymond Koehler, PhD and Beth Slomine, PhD, ABPP

10:40 - 11:05	Modulating Neuroplasticity in a Rat Model of Pediatric TBI Galit Pelled, PhD
11:05 - 11:30	Exercise as an Intervention to Speed Recovery after TBI Brad Kurowski, MD, MS
11:30 - 11:55	Neuroimaging Insights on Functional Outcome after TBI Stacy Suskauer, MD
11:55 - 12:10	Questions and Answers
12:10 - 1:00	Lunch with the Professors (small group discussions) <ul style="list-style-type: none"> Neuroprotection – Acute Clinical Interventions – Eric Jackson, MD and Courtney Robertson, MD Neuroprotection – Animal Models – Sujatha Kannan, MD and Susanna Scafidi, MD

1:00 - 1:25

Session 3: New Insights in Abusive Head Trauma

Moderators: Sujatha Kannan, MD and Michael Whalen, MD, PhD

1:25 - 1:50	Neuroimaging in Abusive Head Trauma Aylin Tekes, MD
1:50 - 2:15	Development of a Screening Tool for Pediatric Abusive Head Trauma Kent Hymel, MD
2:15 - 2:40	Bedside Ophthalmologic Ultrasound to Identify Abusive Head Trauma Rebecca Riggs, MD
2:40 - 3:05	Long-Term Neurologic Outcomes after AHT Abusive Head Trauma Sarah Risen, MD
3:05 - 3:20	Questions and Answers
3:20 - 3:35	Refreshment Break

Session 4: Pediatric Concussion: From the Bench to the Bedside and Beyond

Moderators: Vassilis Koliatsos, MD and Brad Kurowski, MD, MS

3:35 - 4:00	Novel Preclinical Models of Mild, Repetitive TBI Michael Whalen, MD, PhD
4:00 - 4:25	Designing an Outcome Battery for Pediatric Concussion Beth Slomine, PhD, ABPP
4:25 - 4:50	Youth Concussion Policy: Public Health Rules and Tools Gerry Gioia, PhD

- Plasticity and Recovery – Rehabilitation Interventions – Brad Kurowski, MD, MS
- Plasticity and Recovery – Research Insights – Galit Pelled, PhD and Stacy Suskauer, MD
- Abusive Head Trauma – Diagnostic Strategies – Aylin Tekes, MD, Kent Hymel, MD and Rebecca Riggs, MD
- Abusive Head Trauma – Rehabilitation and Long-Term Outcomes – Sarah Risen, MD
- Concussion – Animal Models – Michael Whalen, MD, PhD
- Concussion – Clinical and Public Health Issues – Beth Slomine, PhD, ABPP and Gerry Gioia, PhD

Keynote Speaker

Strategic Use of Oxygen during Neurocritical Care
Gary Fiskum, PhD

4:50 - 5:05

Questions and Answers

5:05 - 5:15

Summary

Courtney Robertson, MD and Stacy Suskauer, MD

5:15

Adjourn

Please complete and return the Evaluation and Credit Report Forms. The Registration Desk will remain open during conference hours.

The Johns Hopkins University School of Medicine and the Kennedy Krieger Institute take responsibility for the content, quality and scientific integrity of this CME activity.

This schedule is subject to change

To Register or For Further Information

Register Online (credit card and eCheck)	www.HopkinsCME.edu
Register by Phone (credit card only)	(410) 502-9634
Register by Fax	(866) 510-7088
Confirmation/Certificates	(410) 502-9634
General Information	(410) 955-2959
E-mail the Office of CME	cmenet@jhmi.edu

Follow us on Twitter: <http://twitter.com/HopkinsCME>

Facebook: <http://www.facebook.com/HopkinsCME>

For general information, the direct link for this CME activity web page is: <http://www.hopkinscme.edu/CourseDetail.aspx/80035896>.

Acknowledgement

Applications for commercial support from health care related industries are pending. A complete list of contributors will be provided in the syllabus. Please note that commercial support received is solely for the educational component of the activity and will not be used to provide food and beverage.

Please note: The Physician Payments Sunshine Act was enacted by Congress to increase public awareness of financial relationships between drug and medical device manufacturers and physicians. In compliance with the requirements of this Act, the commercial supporter/s of this activity may require the Johns Hopkins University School of Medicine to report certain professional information (such as name, address, National Provider Identifier (NPI), and State License number) of physician attendees who receive complimentary food and beverage in conjunction with a CME activity. The commercial supporter is required to submit the collected data to the Centers for Medicare and Medicaid Services which will then publish the data on its website.

Activity Directors

Courtney Robertson, MD

Associate Professor of Anesthesiology and Critical Care Medicine, and Pediatrics
Johns Hopkins University School of Medicine
The Charlotte R. Bloomberg Children's Center

Stacy Suskauer, MD

Research Scientist
Kennedy Krieger Institute
Assistant Professor of Physical Medicine and Rehabilitation
Johns Hopkins University School of Medicine

Speakers

Johns Hopkins Speakers

Eric Jackson, MD

Assistant Professor of Pediatric Neurosurgery
The Charlotte R. Bloomberg Children's Center

Sujatha Kannan, MD

Associate Professor of Anesthesiology and Critical Care Medicine
The Charlotte R. Bloomberg Children's Center

Colleen Koch, MD, MS, MBA, FACC

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Assistant Professor of Anesthesiology and Critical Care Medicine
The Charlotte R. Bloomberg Children's Center

Robert Stevens, MD

Associate Professor of Anesthesiology and Critical Care Medicine, Neurology, Neurosurgery, and Radiology and Radiological Science
Johns Hopkins University School of Medicine

Aylin Tekes, MD

Associate Professor of Radiology and Radiological Science, and Pediatric Neuroradiology
The Charlotte R. Bloomberg Children's Center

Kennedy Krieger Speakers

Michael Johnston, MD

Senior Vice President and Chief Medical Officer
Kennedy Krieger Institute
Professor of Neurology and Pediatrics
Johns Hopkins University School of Medicine

Galit Pelled, PhD

Research Scientist
Kennedy Krieger Institute
Associate Professor of Radiology and Radiological Science
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Sarah Risen, MD

Pediatrician, Department of Neurology and Developmental Medicine
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Assistant Professor of Pediatrics
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Beth Slomine, PhD, ABPP

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Johns Hopkins University School of Medicine

Guest Speakers

Gary Fiskum, PhD

Jane Matias Professor of Research in Anesthesiology
Professor of Anesthesiology, of Biochemistry and Molecular Biology, and of Pharmacology
Vice Chair, Research
University of Maryland School of Medicine
Baltimore, Maryland

Gerry Gioia, PhD

Director, Safe Concussion Outcome, Recovery and Education Program (SCORE)
Chief, Division of Pediatric Neuropsychology
Children's National Medical Center
Washington, DC

Kent Hymel, MD

Child Abuse Pediatrician
Child Protection Program
Penn State Hershey Medical Center
Hershey, Pennsylvania

Brad Kurowski, MD, MS

Assistant Professor of Pediatrics
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Cincinnati, Ohio

Michael Whalen, MD, PhD

Associate Professor of Pediatrics
Neuroscience Center
Massachusetts General Hospital
Charlestown, Massachusetts

Registration Form

Course Number 80035896

Fourth Annual Johns Hopkins Traumatic Brain Injury Conference: New Perspectives on Childhood Injuries

Saturday, May 16, 2015

To Register: Online (credit card and eCheck): www.HopkinsCME.edu **By fax:** (866) 510-7088
By phone (credit card only): (410) 502-9634

Or mail this form to the Johns Hopkins University, Office of Continuing Medical Education, P.O. Box 64128, Baltimore, Maryland 21264-4128. Include check payable to **HOPKINS/80035896**, or include credit card information below

PAYMENT MUST ACCOMPANY FORM TO CONFIRM YOUR REGISTRATION.

I am a Johns Hopkins speaker for this activity.

Please type or print clearly:

last name		first name		m.i.
highest degree	primary specialty		Hopkins Faculty/Staff Only – JHED ID:	
For Physicians Only – NPI 10 Digit #:		State License #:		State of License:
mailing address				
city		state	ZIP + 4 code	country
daytime telephone			fax number	
e-mail _____				

You will receive a confirmation notice and your attendance certificate by e-mail if you provide your e-mail address.

Check here if you wish to receive e-mail notices about upcoming CME activities.

I plan to stay at the Embassy Suites Baltimore – Inner Harbor in Baltimore, Maryland.

What do you hope to learn by attending this activity? _____

Please notify us if you have any special needs. _____

Registration Fees:

- Physicians \$275
- Research Faculty/Nurses/Nurse Practitioners/Allied Health Professionals \$150
- House Staff*/Post-Doc Fellows* \$100
- Active Duty*/Employees of DoD*/VA* \$100
*with verification of status
- Optional Printed Syllabus (B/W) \$45

The registration fee includes instructional materials and food and beverage. For registrations received after 5:00 p.m. ET on May 10, 2015, include a \$50 late fee. On-site registrations are payable only by credit card.

Total amount enclosed \$ _____

Payment Type:

JHU Faculty/Staff Only: If you are using your Tuition Remission Benefit or an ION budget, please complete this registration form and return with appropriate payment processing form to OCME, Turner 20.

Forms can be found on-line at <http://www.hopkinscme.edu/Resources/resources.aspx>.

Check (See instructions on top of form.)

Credit Card: VISA MASTERCARD DISCOVER AMEX

Card # _____ - _____ - _____ Exp. Date _____

Name on Card _____ Signature and Date _____