

# THE JOHNS HOPKINS HOSPITAL

Presented by  
JOHNS HOPKINS UNIVERSITY  
SCHOOL OF MEDICINE  
DEPARTMENT OF ANESTHESIOLOGY  
AND CRITICAL CARE MEDICINE

## 25th PEDIATRIC CRITICAL CARE COLLOQUIUM

October 4–7, 2018

The Johns Hopkins Hospital  
Chevy Chase Conference Center  
The Sheik Zayed Tower  
Baltimore, Maryland



JOHNS HOPKINS  
MEDICINE



## DESCRIPTION

The mission of this annual conference pediatric critical care colloquium is to create a forum for ongoing discussion of the care of critically ill children, not only as it relates to pediatric critical care physicians, but to engage with other subspecialties that care for critically ill children. The theme of the 2018 colloquium is **“At the Interface of Practice and Science”**, highlighting the new partnerships and advancements we are making in the pediatric critical care realm. Attendees will acquire knowledge of the latest clinical and research advancements with the guidance of eminent leaders in the field of Pediatric Critical Care Medicine. Practical information, as well as new developments will be covered. The conference is targeted to all allied health care professionals who care for critically ill children. Pediatric critical care physicians, pediatric critical care nurses, advanced practice nurses, hospitalists and respiratory therapists will all find material directly relevant to their practice at this conference.

The program is organized in plenary sessions, debates, interactive case presentations, and oral and poster abstract presentations. We plan to promote fellows and trainees of all levels and invite them to continue their growth as practitioners with connections with the PCCC. As with past PCCC programs, the format is particularly designed to encourage open discussion between meeting participants and question-and-answer periods with lecturers.

## WHO SHOULD ATTEND

This activity is intended for physicians, nurses, physicians assistants, fellows and residents in Critical Care Medicine and Pediatrics.

## OBJECTIVES

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

- Explore the evolution of PCCM - from the perspectives of advances in clinical care and research.
- Perform applications of precision medicine to the care of critically ill children.
- Analyze advances in the general care of critically ill children as applied to pediatric subspecialties.
- Debate important ethical issues in pediatric critical care medicine.
- Discuss ongoing changes in PICU practice paradigms.

## ACCREDITATION STATEMENT

The Johns Hopkins University School of Medicine is accredited by the Accreditation Council for Continuing Medical Education (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 25.0 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

## OTHER CREDIT

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

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

PAs may claim a maximum of 25.0 Category 1 credits for completing this activity. **National Commission on Certification of Physician Assistants (NCCPA)** accepts AMA PRA Category 1 Credit™ from organizations accredited by ACCME or a recognized state medical society.

The Johns Hopkins University has approved this activity for 25.0 **contact hours for non-physicians.**

## POLICY ON SPEAKER AND PROVIDER DISCLOSURE

It is the policy of the Johns Hopkins University School of Medicine that the speaker and provider globally disclose conflicts of interest. The Johns Hopkins University School of Medicine OCME has established policies that will identify and resolve conflicts of interest prior to this educational activity. Detailed disclosure will be made prior to presentation of the education.

## TO REGISTER OR FOR FURTHER INFORMATION

Register Online

<https://hopkinscme.cloud-cme.com/aph.aspx?P=5&EID=13074>

Register by Phone (410) 502-9636

Register by Fax (866) 510-7088

Confirmation/Certificates (410) 502-9636

General Information (410) 955-2959

E-mail the Office of CME cmenet@jhmi.edu

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For website and CloudCME mobile app technical difficulties, email:

[cmetechnsupport@jhmi.edu](mailto:cmetechnsupport@jhmi.edu)

Sponsoring Department Website: <http://pccc18.jhu.edu/>

For general information, please visit the activity webpage at

**<https://hopkinscme.cloud-cme.com/aph.aspx?P=5&EID=13074>**

# GENERAL INFORMATION

## REGISTRATION

October 5, 2018  
7:30 – 8:15 a.m.

## LOCATION

### Chevy Chase Bank Conference Center

The Sheikh Zayed Tower  
The Johns Hopkins Hospital  
1800 Orleans Street, Main Level  
Baltimore, Maryland 21287

The Sheikh Zayed Tower is located on Orleans Street between Broadway and Wolfe Streets. Directions and campus parking information are available on our website under the Contact Us tab at <https://HopkinsCME.cloud-cme.com>. The closest garage is the Orleans Street Garage, which is located on Orleans Street (Route 40) between Wolfe Street and Broadway. Handicapped parking is also available in the McElderry Street Garage. *Johns Hopkins is smoke-free.*

## FEES

### Register Online:

<https://hopkinscme.cloud-cme.com/aph.aspx?P=5&EID=13074>

Methods of Payment: We require full payment prior to the start of the activity. On-site payments by credit card only. The registration fee includes instructional materials, continental breakfasts, refreshment breaks and lunches.

	Early Bird Pricing before June 30, 2018	Regular Pricing after June 30, 2018
Physicians/Attendings	\$500	\$550
Nurses/NPs/PAs	\$350	\$400
Residents/Fellows/ Students	\$250	\$300

### Optional Workshops:

Advanced Practice Nursing Critical Care Emergencies Simulation Workshop October 4, 3:00–7:00pm	\$200
Society for Pediatric Sedation Fellows Course in Procedural Sedation October 4, 5:00–9:00pm	\$200
Ultrasound-guided Neuromonitoring Workshop October 6, 5:00–7:30pm	\$100

You will receive a confirmation by e-mail. If you have not received it by October 1, 2018, call (410) 502-9636 to confirm that you are registered. A transcript of attendance will be available upon attestation of your credit hours and submission of the post activity online evaluation.

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 **October 1, 2018**. 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 **October 1, 2018**. No refunds will be made thereafter. Transfer of registration to another Johns Hopkins activity in lieu of cancellation is not possible.

## SYLLABUS

The syllabus will be accessible online and via your mobile device in the CloudCME App prior to the activity.

## HOW TO OBTAIN CREDIT

Post activity, an online evaluation will be available to attendees to evaluate the activity and individual presentations and to identify future educational needs. Upon completion of the evaluation, the learner must attest to the number of hours in attendance. Credits earned will be added to the learner's transcript and immediately available for print. **The last day to access the evaluation and attest to your credits is November 21, 2018.**

An outcome survey will be sent to all physician attendees within two months post activity to assist us in determining what impact this activity had on the learner's practice.

## EMERGENCY CALLS

On October 5-7, 2018 direct emergency calls to the Hopkins registration desk, (443) 287-5426. Messages will be posted for participants.

## AMERICANS WITH DISABILITIES ACT

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

## HOTEL AND TRAVEL INFORMATION

### HILTON GARDEN INN BALTIMORE– HARBOR EAST

625 South President Street, Baltimore, Maryland 21202  
443-392-9012

#### HOTEL RESERVATION CUT-OFF DATE: SEPTEMBER 3, 2018

A limited block of sleeping rooms has been reserved for your convenience and will be available on a first come, first served basis. The Hilton Garden Inn Baltimore Inner Harbor, pleasantly situated in Harbor East, blends well with its fashionable surroundings and offers excellent accommodations within walking distance of downtown Baltimore. Make your reservation by calling the hotel directly and specify that you are attending the **Johns Hopkins Pediatric Colloquium** to receive the special group rate of \$192, single or double, plus tax. Complimentary roundtrip transportation will be provided. On-site parking is available at an additional charge. *Check-in time is 3:00 p.m. Check-out time is 12:00 p.m.*

### HOMWOOD SUITES BALTIMORE

625 South President Street, Baltimore, Maryland 21202  
443-392-9012

#### HOTEL RESERVATION CUT-OFF DATE: SEPTEMBER 3, 2018

A limited block of sleeping rooms has been reserved for your convenience and will be available on a first come, first served basis. The Homewood Suites, pleasantly situated in Harbor East, blends well with its fashionable surroundings and offers excellent accommodations within walking distance of downtown Baltimore. Make your reservation by calling the hotel directly and specify that you are attending the **Johns Hopkins Pediatric Colloquium** to receive the special group rate of \$192, single or double, plus tax. Complimentary roundtrip transportation will be provided. On-site parking is available at an additional charge. *Check-in time is 3:00 p.m. Check-out time is 12:00 p.m.*

### RESIDENCE INN MARRIOTT

800 North Wolfe Street, Baltimore, Maryland 21205  
443-524-8400

#### HOTEL RESERVATION CUT-OFF DATE: SEPTEMBER 4, 2018

A limited block of sleeping rooms has been reserved for your convenience and will be available on a first come, first served basis. The Residence Inn is within walking distance of Johns Hopkins Medical Campus. Make your reservation by calling the hotel directly and specify that you are attending the **Johns Hopkins Pediatric Colloquium** to receive the special group rate of \$169, single or double, plus tax. On-site parking is available at an additional charge. *Check-in time is 4:00 p.m. Check-out time is 12:00 p.m.*

# PROGRAM

## THURSDAY, OCTOBER 4, 2018

### PRE-CONFERENCE WORKSHOPS

#### EVENING

- 3:00 – 7:00 **Advanced Practice Nursing Critical Care Emergencies Simulation**  
*Pre-registration Required. Space is limited.*
- 5:00 – 9:00 **Society for Pediatric Sedation Fellows Course in Procedural Sedation**  
*Pre-registration Required. Space is limited.*

## FRIDAY, OCTOBER 5, 2018

- 7:30 – 8:15 Registration, Continental Breakfast, and Poster Viewing
- 8:15 – 8:25 **Welcome and Conference Goals**  
*Sapna Kudchadkar, MD, PhD and Jamie Schwartz, MD*
- 8:25 – 8:40 **#PCCC18 Social Media Primer**  
*Sean Barnes, MD, MBA and Sapna Kudchadkar, MD, PhD*

#### SESSION I

*The Evolution of Personalized Cardiopulmonary Resuscitation in the PICU*

- 8:40 – 9:00 **Personalizing Resuscitation with Hemodynamic Driven CPR**  
*Robert Sutton, MD, MSCE*
- 9:00 – 9:20 **Exquisite Management of the Post Cardiac Arrest Care Period Matters**  
*Alexis Topjian, MD, MSCE*
- 9:20 – 9:40 **Cutting Edge Resuscitation Data Analytics and Debriefing**  
*Jordan M. Duval-Arnould, MPH, DrPH*
- 9:40 – 10:00 **The Future of Post-Cardiac Arrest Prognostication**  
*Erica Fink, MD, MS*
- 10:00 – 10:15 **Panel Discussion with Questions and Answers**  
*Jordan M. Duval-Arnould, MPH, DrPH, Erica Fink, MD, MS, Robert Sutton, MD, MSCE, and Alexis Topjian, MD, MSCE*
- 10:15 – 10:30 Refreshment Break

#### SESSION 2

*Alphabet Soup of PICU Consortia*

- 10:30 – 10:50 **Pediatric Resuscitation Consortia: Guidelines, Research, Education**  
*Vinay Nadkarni, MD, MS*
- 10:50 – 11:10 **Interface of Quality and Research in Pediatric Cardiac Critical Care**  
*Michael Gaies, MD, MPH, MS*
- 11:10 – 11:30 **CPCCRN and the Trial Innovations Network**  
*J. Michael Dean, MD, MBA*
- 11:30 – 11:50 **PALISI: Past, Present and Future**  
*Ira M. Cheifetz, MD, FCCM, FAARC*
- 11:50 – 12:00 **Panel Discussion with Questions and Answers**  
*J. Michael Dean, MD, MBA, Ira M. Cheifetz, MD, FCCM, FAARC, Michael Gaies, MD, MPH, MS, and Vinay Nadkarni, MD, MS*
- 12:00 – 1:00 Poster Viewing and Networking (Boxed Lunch Provided); NIH PO Office Hours
- 1:00 – 2:00 **Special Plenary**  
**The American Board of Pediatrics and Pediatric Critical Care: Past, Present and Future**  
*David G. Nichols, MD, MBA*

#### SESSION 3

*Vasculopathy in the PICU*

- 2:00 – 2:10 **Overview of Vasculopathy: A Multidimensional Disease**  
*Lewis Romer, MD*
- 2:10 – 2:40 **The Lungs: Pulmonary Hypertension**  
*Kurt R. Stenmark, MD*
- 2:40 – 2:55 **The Gut: Splanchnic Perfusion**  
*David Hackam, MD, PhD, FACS*
- 2:55 – 3:10 **The Brain: Cerebral Autoregulation**  
*Jennifer K. Lee, MD*

- 3:10 – 3:30 **Panel Discussion with Questions and Answers**  
*David Hackam, MD, PhD, FACS, Jennifer K. Lee, MD, Lewis Romer, MD and Kurt R. Stenmark, MD*

- 3:30 – 3:45 Refreshment Break

#### SESSION 4

*Demystifying the NIH*

- 3:45 – 4:00 **NIH Funding: Past, Present and Future**  
*Robert Tamburro, MD, MSc*
- 4:00 – 4:15 **NHLBI: Pediatric Lung Disease and Critical Illness**  
*Aruna R. Natarajan, MD*
- 4:15 – 4:30 **NICHD: Pediatric Trauma and Critical Illness Branch**  
*Tammara Jenkins, MSN, RN, PCNS-BC*
- 4:30 – 4:45 **Panel Discussion with Questions and Answers**  
*Tammara Jenkins, MSN, RN, PCNS-BC, Aruna R. Natarajan, MD and Robert Tamburro, MD, MSc*
- 5:00 – 6:00 Poster Presentations and Walk Rounds with Wine and Cheese Reception

## SATURDAY, OCTOBER 6, 2018

- 7:30 – 8:15 Continental Breakfast
- 8:15 – 8:20 **Day 2 Overview**  
*Sapna Kudchadkar, MD, PhD And Jamie Schwartz, MD*
- 8:20 – 8:30 **#PCCC18 Day 1 Social Media Analytics**  
*Sean Barnes, MD, MBA*
- 8:30 – 9:00 **Special Plenary: The Origin And Future of Pediatric Intensive Care**  
*Mark C. Rogers MD, MBA*

#### SESSION I

*The New PICU*

- 9:00 – 9:10 **The Changing Workflow: Getting It All Done**  
*Jamie Schwartz, MD*
- 9:10 – 9:30 **The Changing PICU Team: It Takes a Team**  
*Charlene Leonard, CPNP-AC/PC*
- 9:30 – 9:50 **The Changing Population: The Chronically Critically Ill Child**  
*Carrie M. Henderson, MD*
- 9:50 – 10:10 **The Changing Data: Predictive Analytics and Artificial Intelligence**  
*Jim Fackler, MD*
- 10:10 – 10:25 **Panel Discussion with Questions and Answers**  
*Jim Fackler, MD, Carrie M. Henderson, MD and Charlene Leonard, CPNP-AC/PC*
- 10:25 – 10:40 Refreshment Break

#### SESSION 2

*The Brain And The Immune System: Dynamic Duo or Arch Enemies?*

- 10:40 – 11:00 **Microglia and Neuroinflammation: Using Translational Models and Human Tissue**  
*Nicole Coufal, MD, PhD*
- 11:00 – 11:20 **Imaging of Neuroinflammation: Look But Not Disturb**  
*Elizabeth W. Tucker, MD*
- 11:20 – 11:40 **Pediatric Stroke**  
*Ryan Felling, MD, PhD*
- 11:40 – 12:00 **Brain on Fire: Autoimmune Encephalitis**  
*Jessica L. Carpenter, MD*
- 12:00 – 12:15 **Panel Discussion with Questions and Answers**  
*Jessica L. Carpenter, MD, Nicole Coufal, MD, PhD, Ryan Felling, MD, PhD and Elizabeth W. Tucker, MD*
- 12:15 – 1:00 Poster Viewing and Networking (Boxed Lunch Provided)
- 1:00 – 2:00 **Special Pro-Con Debate**  
**Subspecialization of Pediatric Critical Care: Essential or Dividing Our Forces?**  
*Z. Leah Harris, MD, Darren Klugman, MD, MS, Michael C. Spaeder, MD, MS and Robert C. Tasker, MA, MD, FRCP*

# PROGRAM

## SESSION 3

### *Liberating the Critically Ill Child*

- 2:00 – 2:20 **Science of PICU Liberation: Where We Started and Where We're Headed**  
*Sapna Kudchadkar, MD, PhD*
- 2:20 – 2:40 **Diagnosing Delirium: What Comes Next?**  
*Heidi A. Smith, MD, MSCI*
- 2:40 – 3:00 **Mobilizing the Critically Ill Child: Easier Said Than Done?**  
*Karen Choong, MBBCh, MSc*
- 3:00 – 3:20 **Engaging the PICU Family**  
*Tessie October, MD, MPH*
- 3:20 – 3:40 **Panel Discussion with Questions and Answers**  
*Karen Choong, MBBCh, MSc, Sapna Kudchadkar, MD, PhD, Tessie October, MD, MPH and Heidi A. Smith, MD, MSCI*
- 3:40 – 4:00 Refreshment Break

## SESSION 4

### *Oral Abstract Awards Session*

- 4:00 – 5:00 **Presentations by Abstract Award Winners**  
Moderator: *Sapna Kudchadkar, MD, PhD*
- 5:00 – 7:30 **Ultrasonography Workshop**  
*Pre-registration Required. Space is limited.*

## SUNDAY, OCTOBER 7, 2018

- 7:30 – 8:00 Continental Breakfast
- 8:00 – 8:10 **Day 3 Overview**  
*Sapna Kudchadkar, MD, PhD and Jamie Schwartz, MD*
- 8:10 – 8:15 **#PCCCI8 Day 1 & 2 Social Media Analytics**  
*Sean Barnes, MD, MBA*
- 8:15 – 8:45 **Special Plenary**  
**Publishing in Pediatric Critical Care: Perspective From 18 Years As Editor-In-Chief of PCCM**  
*Patrick Kochanek, MD, MCCM*

## SESSION I

### *Heart Failure Complicating Medical Conditions*

- 8:45 – 9:05 **Sepsis-Induced Heart Failure**  
*Margaret M. Parker, MD, MCCM*
- 9:05 – 9:25 **Chemotherapy-Induced Heart Failure**  
*Gary Beasley, MD*
- 9:25 – 9:45 **Viral Myocarditis**  
*Joseph W. Rossano, MD*
- 9:45 – 10:05 **Panel Discussion with Questions and Answers**  
*Gary Beasley, MD, Margaret M. Parker, MD, MCCM and Joseph W. Rossano, MD*
- 10:05 – 10:15 Refreshment Break

## SESSION 2

### *Just Because We Can, Should We? Ethics In the PICU*

- 10:15 – 10:35 **Futility In the PICU**  
*Chris Feudtner, MD, PhD, MPH*
- 10:35 – 10:55 **Fetal Surgery**  
*Renee D. Boss, MD, MHS*
- 10:55 – 11:15 **Cultivating Moral Resilience**  
*Cynda H. Rushton, PhD, RN, FAAN*
- 11:15 – 11:30 **Case Studies From The News: What Have We Learned?**  
*Thomas A. Nakagawa, MD, FAPP, FCCM*
- 11:30 – 11:45 **Panel Discussion with Questions and Answers**  
*Renee D. Boss, MD, MHS, Chris Feudtner, MD, PhD, MPH, Thomas A. Nakagawa, MD, FAPP, FCCM and Cynda H. Rushton, PHD, RN, FAAN*

## SESSION 3

### *PICU Jeopardy: Oldies Vs. Newbies*

- 11:35 – 12:15 **Jeopardy and Social Media Awards**

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

This schedule is subject to change.

The registration desk will remain open during the conference hour.

# SPEAKERS

## ACTIVITY DIRECTORS

### **Sapna Kudchadkar, MD, PhD**

Associate Professor of Anesthesiology and Critical Care Medicine  
Director, PICU Clinical Research Program & PICU Up! Program  
Johns Hopkins University School of Medicine

### **Jamie McElrath Schwartz, MD**

Assistant Professor of Anesthesiology and Critical Care Medicine  
Section Chief, Pediatric Critical Care Medicine  
Medical Director, Pediatric Intensive Care Unit  
Johns Hopkins University School of Medicine

## JOHNS HOPKINS UNIVERSITY SCHOOL OF MEDICINE PLANNING COMMITTEE

### **Melania Bembea, MD, PhD**

Associate Professor of Anesthesiology and Critical Care Medicine  
Director, Pediatric ECMO Program

### **Ivor Berkowitz, MD**

Associate Professor of Anesthesiology and Critical Care Medicine

### **Elizabeth A. Hunt, MD, PhD**

Associate Professor of Anesthesiology and Critical Care Medicine  
Director, Johns Hopkins Medicine Simulation Center

### **Emily Johnson, DNP**

PICU Palliative Care Nurse Practitioner

### **Sujatha Kannan, MD**

Professor of Anesthesiology and Critical Care Medicine  
Co-Director, Pediatric Neurocritical Care Program

### **Kristen Nelson, MD**

Assistant Professor of Anesthesiology and Critical Care Medicine  
Director, Pediatric Cardiac Intensive Care Unit

### **Donald H. Shaffner, MD**

Associate Professor of Anesthesiology and Critical Care Medicine

### **Courtney Robertson, MD**

Associate Professor of Anesthesiology and Critical Care Medicine  
Co-Director, Pediatric Neurocritical Care Program

### **Lewis Romer, MD**

Professor of Anesthesiology and Critical Care Medicine

## SPEAKERS

### **Gary Beasley, MD**

Assistant Professor of Pediatric Cardiology  
University of Tennessee School of Health Sciences, Le Bonheur

### **Sean Barnes, MD, MBA**

Pediatric Critical Care Fellow  
The Johns Hopkins Hospital

### **Renee D. Boss, MD, MHS**

Associate Professor of Pediatrics  
Johns Hopkins University School of Medicine  
Berman Institute of Bioethics

### **Jessica L. Carpenter, MD**

Associate Professor of Neurology and Pediatrics  
George Washington University  
Children's National Medical Center

### **Ira M. Cheifetz, MD, FCCM, FAARC**

Executive Director and Chief Medical Officer  
Professor of Anesthesiology and Pediatrics  
Duke University School of Medicine

### **Karen Choong, MBBCh, MSc**

Professor of Pediatrics  
McMaster University

### **Nicole Coufal, MD, PhD**

Assistant Professor of Pediatrics  
Rady Children's Hospital, San Diego

### **J. Michael Dean, MD, MBA**

Professor of Pediatrics  
Associate Dean for Clinical Research

## SPEAKERS, CONTINUED

University of Utah School of Medicine

### **Jordan M. Duval-Arnould, MPH, DrPH**

Assistant Professor of Anesthesiology and Critical Care Medicine  
Johns Hopkins University School of Medicine

### **Jim Fackler, MD**

Associate Professor of Anesthesiology and Critical Care Medicine  
Johns Hopkins University School of Medicine

### **Chris Feudtner, MD, PhD, MPH**

Professor of Pediatrics, Medical Ethics and Health Policy  
The Children's Hospital of Philadelphia

### **Ryan Felling, MD, PhD**

Assistant Professor of Neurology  
Johns Hopkins University School of Medicine

### **Ericka Fink, MD, MS**

Associate Professor of Critical Care Medicine and Pediatrics  
University of Pittsburgh Medical Center

### **Michael Gaies, MD, MPH, MS**

Associate Professor of Pediatrics - Cardiology  
University of Michigan Medical School

### **David Hackam, MD, PhD, FACS**

Garrett Professor and Chief of Pediatric Surgery  
Surgeon in Chief  
Johns Hopkins Children's Center  
Johns Hopkins University School of Medicine

### **Z. Leah Harris, MD**

Professor of Pediatrics  
Northwestern University Feinberg School of Medicine

### **Carrie M. Henderson, MD**

Assistant Professor of Pediatrics  
University of Mississippi Medical Center

### **Tammara Jenkins, MSN, RN, PCNS-BC**

Program Official  
Eunice Kennedy Shriver National Institute of Child Health and  
Human Development

### **Darren Klugman, MD, MS**

Medical Director, Cardiac ICU  
Children's National Health System

### **Patrick Kochanek, MD, MCCM**

Professor and Vice Chairman, Critical Care Medicine  
Professor of Anesthesiology, Pediatrics and Translational Science  
University of Pittsburgh Medical Center

### **Jennifer K. Lee, MD**

Associate Professor of Anesthesiology and Critical Care Medicine  
Johns Hopkins University School of Medicine

### **Charlene Leonard, CPNP-AC/PC**

Advanced Practice Nurse  
University of Florida, Pediatric Critical Care Medicine

### **Vinay Nadkarni, MD, MS**

Professor and Endowed Chair, Pediatrics Critical Care Medicine  
The Children's Hospital of Philadelphia, University of Pennsylvania

### **Thomas A. Nakagawa, MD, FAPP, FCCM**

Professor (PAR) Anesthesiology and Critical Care  
Johns Hopkins University School of Medicine  
Chief, Critical Care Medicine  
Director, Pediatric Intensive Care  
Medical Director, Respiratory Care  
Johns Hopkins All Children's Hospital

### **Aruna R. Natarajan, MD**

Program Director  
Division of Lung Diseases  
National Heart, Lung, and Blood Institute  
National Institutes of Health

### **David G. Nichols, MD, MBA**

President and CEO  
American Board of Pediatrics

### **Tessie October, MD, MPH**

Assistant Professor of Pediatrics  
George Washington University School of Medicine and Health Sciences  
Critical Care Specialist  
Children's National Health System

### **Margaret M. Parker, MD, MCCM**

Professor Emeritus of Pediatrics  
Stony Brook University School of Medicine

### **Mark C. Rogers MD, MBA**

Professor Emeritus of Anesthesiology and Critical Care  
Johns Hopkins University School of Medicine

### **Lewis Romer, MD**

Professor of Anesthesiology and Critical Care Medicine  
Johns Hopkins University School of Medicine

### **Joseph W. Rossano, MD**

Associate Professor of Pediatrics  
Perelman School of Medicine at the University of Pennsylvania

### **Cynda H. Rushton, PhD, RN, FAAN**

Anne and George L. Bunting Professor of Clinical Ethics  
Johns Hopkins University School of Nursing

### **Heidi A. Smith, MD, MSCI**

Assistant Professor of Pediatric Cardiac Anesthesiology  
Vanderbilt University Medical Center

### **Michael C. Spaeder, MD, MS**

Associate Professor of Pediatric Critical Care  
Program Director, Fellowship in Pediatric Critical Care  
University of Virginia School of Medicine

### **Kurt R. Stenmark, MD**

Professor of Anesthesiology, Medicine and Pediatrics  
University of Colorado Anschutz Medical Campus

### **Robert Sutton, MD, MSCE**

Assistant Professor of Anesthesiology and Critical Care  
Perelman School of Medicine at the University of Pennsylvania

### **Robert Tamburro, MD, MSc**

Medical Officer  
Eunice Kennedy Shriver National Institute of Child Health and  
Human Development

### **Robert C. Tasker, MA, MD, FRCP**

Professor of Neurology  
Harvard Medical School  
Senior Associate in Critical Care Medicine  
Director, Pediatric NeuroCritical Care Program  
Boston Children's Hospital

### **Alexis Topjian, MD, MSCE**

Assistant Professor of Anesthesia, Critical Care and Pediatrics  
Perelman School of Medicine at the University of Pennsylvania

### **Elizabeth W. Tucker, MD**

Assistant Professor Anesthesiology and Critical Care Medicine  
Johns Hopkins University School of Medicine



# 25<sup>TH</sup> PEDIATRIC CRITICAL CARE COLLOQUIUM

October 4–7, 2018

**To Register: Online** <https://hopkinscme.cloud-cme.com/aph.aspx?P=5&EID=13074> **By fax:** (866) 510-7088 **By phone:** (410) 502-9636

Or mail this form to the Johns Hopkins University, Office of Continuing Medical Education, 720 Rutland Avenue, Turner Room 20, Baltimore, Maryland 21205-2195. Include e-check or credit card information below.

FULL PAYMENT IS REQUIRED PRIOR TO THE START OF ACTIVITY.

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:	
organization		mailing address			
city		state		ZIP + 4 code	country
daytime telephone				fax number	
email (required)					

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

What do you hope to learn by attending this activity? \_\_\_\_\_

Please notify us if you have any special needs. \_\_\_\_\_

## FEES

Please circle one registration option.

	Early Bird Pricing <i>before June 30, 2018</i>	Regular Pricing <i>after June 30, 2018</i>
Physicians/Attendings	\$500	\$550
Nurses/NPs/PAs	\$350	\$400
Residents/Fellows/Students	\$250	\$300

Please circle one workshop if applicable.

Optional Workshops:	
Advanced Practice Nursing Critical Care Emergencies Simulation Workshop October 4, 3:00–7:00pm	\$200
Society for Pediatric Sedation Fellows Course in Procedural Sedation October 4, 5:00–9:00pm	\$200
Ultrasound-guided Neuromonitoring Workshop October 6, 5:00–7:30pm	\$100

The registration fee includes instructional materials and food and beverage. For registrations received after **5:00 p.m. ET on October 1, 2018**, include a \$50 late fee. On-site registrations are payable only by credit card.

**Total amount \$** \_\_\_\_\_

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