

# Fourth PANDA Symposium

April 12, 2014, New York NY 10032

8:00-8:15 Introduction and Welcome Remarks (Drs. Wood, Sun and Mr. Kevin Hammeran)

## I. Anesthetic Neurotoxicity Research (Moderator: Steve Hall)

8:15-9:45 Update of Pre-Clinical Research

<b>Neil Harrison</b>	A Brief History of Epiphenomenology in Anesthesia Research
<b>Zeljko Bosnjak</b>	Role of miR-21 in Propofol-Induced Neurotoxicity in Human Neurons
<b>David Mintz</b>	Anesthetic Exposure and Circuit Formation in the Developing Brain
<b>Mark Baxter</b>	Cognitive/Socioemotional Development after Sevoflurane Exposure in Rhesus Monkeys
<b>Ansgar Brambrink</b>	Isoflurane Anesthesia in Newborn Non-Human Primates: Effects on Behavioral Development
<b>Richard Levy</b>	Anesthesia-Induced Neurotoxicity in the Developing Retina: A Window of Opportunity
<b>Piyush Patel</b>	Propofol Induced Axonal Growth Cone Collapse - Role of GTPases
<b>Neil Harrison</b>	Comments and Discussion

9:45-11:30 Update of Clinical Research

<b>Dean Andropoulos</b>	Neurodevelopmental Outcomes in Congenital Heart Disease & Anesthetic Exposure
<b>Mary Ellen McCann</b>	Preliminary Results of the GAS Trial
<b>Jeffrey Sall</b>	Recognition Memory in Human Children Anesthetized Early in Life
<b>Sheri Crow</b>	Update of the Mayo Anesthesia Safety in Kids (MASK) Study
<b>Caleb Ing</b>	Comparing Different Outcome Measures in Clinical Studies
<b>Andreas Loepke</b>	Long-Term Alterations in Neurocognition & Brain Structure
<b>Lena Sun</b>	PANDA Study Update- Nearing the Finish Line
<b>Ezra Susser</b>	Comments and Discussion

11:30-11:45

**James Ramsay** SmartTots: Strategies for 2014 and Beyond

11:45-12:30 Lunch & Group Photo

## II. Next Steps in Anesthetic Neurotoxicity Research

12:30-1:15 Considerations in Neurodevelopmental Outcome Studies (Moderator: Cynthia Salorio)

**Stephen Sands** Overview of New Computer-Based Assessments of Neuropsychological Functioning & QoL  
Choosing Assessment Instruments for Anesthetic Neurotoxicity Research  
**Discussants: Mary Byrne, Jerilynn Radcliffe, Virginia Rauh and Stephen Sands**

1:15-2:15 Engaging Stakeholders in Patient-Centered Outcome Research (Moderator: Lena Sun)

**Sally Findley** Participatory Research and Stakeholder Engagement  
**Andy Shih** Community Engagement and Participatory Research: Experiences from Autism Speaks  
**Bob Rappaport/Allison Lin** Collaboration through Public-Private Partnerships: a CDER Experience

2:15-4:45 Clinician Stakeholders: Round Table Discussions (Moderator: Charles Schleien)

2:15-3:30 Pediatric Surgical Practitioners (Urology, General Surgery, Orthopedics, Dermatology)  
**Panelists: Pasquale Casale, Steven Stylianos, Josh Hyman and Maria Garzon**

3:30-4:45 Non-Surgical Pediatric Practitioners (Radiology, Neurology, Cardiology, PICU)  
**Panelists: Alex Khandji, Joshua Cappell, Wyman Lai, Katherine Biagas**

**Each panelist will be asked to address the following questions in 8 minutes**

- (1) What does anesthesia mean to my patients?
- (2) What does anesthesia mean to my practice now?
  - a. Ordering imaging studies with sedation/anesthesia
  - b. A child requiring multiple procedures under GA over time?
  - c. A child requiring multiple procedures from different subspecialties at the same time
- (3) If anesthesia affects neurodevelopment,
  - a. How will I discuss this with the parents?
  - b. Will I change my practice and how?

4:45-5:00 Closing Remarks

