

The Programme for Global Paediatric Research

May 2–5, 2009
Baltimore Convention Center and
Hilton Baltimore Convention Center Hotel

About the Programme for Global Paediatric Research

The Programme for Global Paediatric Research (PGPR) includes paediatric researchers, societies, and other organizations committed to child health. It was formed in January 2004 to address the disparity between the scientific research resources available in high-income countries and the quantity of scientific research focused on the health of children in mid- and low-income countries. PGPR works at the centre of a global network to inform, educate and facilitate international research cooperation and collaboration, and acts as an advocate for research to improve the health of all children.

Registration Information

A registration fee set by the PAS is required to attend any PAS activities, including PGPR Symposia. Attendees may register onsite at the Baltimore Convention Center.

If you wish to attend the PGPR **workshop** on May 5th, and/or require further information about any of the PGPR events, please contact:

Professor Alvin Zipursky
Chair and Scientific Director
The Programme for Global Paediatric Research
Hospital for Sick Children
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Toronto, Ontario M5G 1X8 Canada
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Continuing Education

Continuing Education is through the PAS. See page 3 for complete information.

Saturday, May 2

1:00pm–3:00 pm

2505 Global Neonatology

Platform Session
Baltimore Convention Center ~ Room 343-344

Chairs: Adekunle H. Dawodu and Susan Niermeyer

Refer to PAS Daily Programming for complete details.

Sunday, May 3

1:00pm–3:00pm

3410 Global Child Health Research: Outstanding Contributions

State of the Art Plenary
Baltimore Convention Center ~ Room 307

Target Audience: Scientists and clinicians interested in child health and in research excellence.

Chair: Alvin Zipursky, The Programme for Global Paediatric Research, Hospital for Sick Children, Toronto, ON, Canada

This State of the Art Plenary Session will focus on some of the exciting work being done to improve health outcomes for children in developing countries. This session will, first and foremost, showcase research excellence and will demonstrate some of the possibilities in research and clinical care, regardless of the setting.

1:00 Introduction and Presentation of the 2009 Programme for Global Paediatric Research Award for Outstanding Contributions to Global Child Health*

Alvin Zipursky, The Programme for Global Paediatric Research, Hospital for Sick Children, Toronto, ON, Canada

1:10 Award Address: Global Child Health and Survival; how can Pediatricians Contribute?

Zulfiqar A. Bhutta, The Aga Khan University, Karachi, Pakistan

1:40 Diagnosis and Treatment of Neonatal Asphyxia and Infections by Community Health Workers in India

Abhay T. Bang, Society for Education Action & Research in Community Health, Gadchiroli, India

2:00 Intervention on Air Pollution Benefits Child Neurodevelopment

Frederica P. Perera, Columbia University Mailman School of Public Health, New York, NY

2:20 Innovations in Neonatal Mortality Reduction in Low Resource Settings

Gary L. Darmstadt, Interim Deputy Director, Integrated Health Solutions Development, Head, Maternal, Neonatal and Child Health Strategic Planning Team, Global Health Program, The Bill & Melinda Gates Foundation

2:40 Discussion

**The Programme for Global Paediatric Research Award for Outstanding Contributions to Global Child Health is supported by a grant from Pfizer Inc.*

Program developed by the Programme for Global Paediatric Research and Pediatric Academic Societies

3:15pm–5:15pm

3665 Advances in Global Child Health

Hot Topic
Baltimore Convention Center ~ Room 307

Target Audience: Scientists and clinicians involved with global health issues, public health and community health.

Objectives:

- Understand the major causes of child mortality globally, and of current programs to prevent and reduce morbidity
- Become aware of new global programs and recent successes in reducing childhood malaria, pneumonia, malnutrition, and of effective approaches to reduce neonatal mortality

Chairs: Mark C. Steinhoff, Cincinnati Children's Hospital Medical Center, Cincinnati, OH and Jennifer Read, National Institutes of Health, Bethesda, MD

Global commitments to the Millennium Development Goals have resulted in substantial funding of new programs to reduce infant and child deaths. Global child health is often viewed as achieving limited progress, but recently major progress has been made in knowledge, prevention and reduction of disease affecting children in low-income countries. This session will identify key advances in four major causes of childhood morbidity and mortality in low-income countries – malaria, pneumonia, neonatal disease and vitamin D deficiency.

- 3:15 Advances in Reduction of Pneumonia Mortality**
Mark C. Steinhoff, Cincinnati Children's Hospital Medical Center, Cincinnati, OH and Johns Hopkins University, Baltimore, MD
- 3:40 Reducing Global Neonatal Morbidity and Mortality: What Works?**
Gary L. Darmstadt, Interim Deputy Director, Integrated Health Solutions Development, Head, Maternal, Neonatal and Child Health Strategic Planning Team, Global Health Program, The Bill & Melinda Gates Foundation
- 4:05 Malaria: At Last, Good News!**
Chandy C. John, University of Minnesota, Minneapolis, MN
- 4:30 New Developments in Vitamin D**
Adekunle H. Dawodu, Cincinnati Children's Hospital Medical Center, Cincinnati, OH
- 4:55 Discussion**

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Monday, May 4

9:00am–11:00am

- 4240A Neonatal Hyperbilirubinemia in Developing Countries (Part I)**
State of the Art Plenary
Baltimore Convention Center ~ Room 321-323

Target Audience: All those interested in neonatal hyperbilirubinemia in developing countries, and around the world, should attend this symposium.

Objectives:

- To present the incidence and severity of neonatal jaundice in developing countries
- To present the incidence and severity of brain damage and kernicterus resulting from neonatal hyperbilirubinemia
- To present evidence of the genetic and environmental causes of the high incidence of hyperbilirubinemia in developing countries

Chairs: Vinod K. Bhutani, Stanford University School of Medicine, Palo Alto, CA.; and Giuseppe Buonocore, University of Siena, Siena, Italy

PGPR's three part symposium on May 4 will focus on neonatal hyperbilirubinemia in developing countries. Neonatal hyperbilirubinemia is a major health problem in developing countries, despite positive outcomes possible through early detection and treatment. This symposium will help shed light on the nature and scope of this global crisis, as well as the potential for improving outcomes for children who are affected. Parts 1 and 3 will be comprised of expert presentations providing an overview of the topic. Part 2 will feature platform presentations from selected abstracts. At the related PGPR workshop on May 5 colleagues from high-, mid-, and low-income countries will meet in order to examine the critical issues and establish clear plans for collaborative study of neonatal hyperbilirubinemia in developing countries. One of the goals of the workshop will be to discern the next research steps that should be taken.

- 9:00 A Global Overview of the Incidence of Severe Neonatal Jaundice – A Silent Epidemic**
Tina Marye Slusher, University of Minnesota, Minneapolis, MN
- 9:30 Neonatal Hyperbilirubinemia in Kenya: The Challenge of Providing Effective Care**
Michael English, Kenya Medical Research Institute, Nairobi, Kenya
- 10:00 Hearing Loss Caused by Neonatal Hyperbilirubinemia: Studies in Africa**
Bolajoko Olusanya, University of Lagos, Lagos, Nigeria
- 10:30 Understanding Neonatal Jaundice**
David K. Stevenson, Stanford University School of Medicine, Stanford, CA

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12:00pm–1:00pm

- 4422A 26th Annual Audrey K. Brown Kernicterus Symposium**
Baltimore Convention Center ~ Ballroom III

Moderators: David K. Stevenson, Stanford University School of Medicine, Stanford, CA; William J. Cashore, Women and Infants Hospital of Rhode Island, Providence, RI; and Vinod K. Bhutani, Stanford University School of Medicine, Stanford, CA

Pharmacologic Neuroprotection Against Bilirubin Encephalopathy: The Evolving Minocycline Story

Jon F. Watchko, Magee-Women's Hospital, University of Pittsburgh School of Medicine, Pittsburgh, PA

ABO Heterospecificity and Neonatal Hyperbilirubinemia Revisited

Michael Kaplan, Shaare Zedek Medical Center, Jerusalem, Israel

Contact for information:

David K. Stevenson
Stanford University School of Medicine
Phone: 650-723-5711
Email: dstevenson@stanford.edu

1:15pm–3:15 pm

- 4600 Neonatal Hyperbilirubinemia in Developing Countries (Part II)**
Platform Session
Baltimore Convention Center ~ Room 321-323

Target Audience: All those interested in neonatal hyperbilirubinemia in developing countries, and around the world, should attend this symposium.

Chairs: Chandy C. John, University of Minnesota, Minneapolis, U.S.A.; and Alvin Zipursky, The Programme for Global Paediatric Research, The Hospital for Sick Children, Toronto, Canada

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Refer to PAS Daily Programming for complete details.

3:30pm–5:30pm

- 4910A Neonatal Hyperbilirubinemia in Developing Countries (Part III)**
State of the Art Plenary
Baltimore Convention Center ~ Room 321-323

Target Audience: All those interested in neonatal hyperbilirubinemia in developing countries, and around the world, should attend this symposium.

Objectives:

- To present the incidence and severity of neonatal jaundice in developing countries
- To present the incidence and severity of brain damage and kernicterus resulting from neonatal hyperbilirubinemia
- To present evidence of the genetic and environmental causes of the high incidence of hyperbilirubinemia in developing countries

Chairs: Tina Marye Slusher, University of Minnesota, Minneapolis, MN; and David K. Stevenson, Stanford University School of Medicine, Palo Alto, CA

Programme for Global Paediatric Research

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- 3:30 The Clinical and Pathophysiological Features of Bilirubin-induced Brain Damage**
Steven M. Shapiro, Medical College of Virginia, Richmond, VA
- 4:00 The Detection and Prevention of Severe Neonatal Hyperbilirubinemia**
Vinod K. Bhutani, Stanford University School of Medicine, Stanford, CA
- 4:30 Neonatal Screening for G-6-PD Deficiency: Will It Prevent Kernicterus?**
Michael Kaplan, Shaare Zedek Medical Center, Jerusalem, Israel
- 5:00 Discussion**

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Tuesday, May 5

PGPR Workshop

Colleagues from high-, mid-, and low-income countries will meet in order to examine the critical issues and establish clear plans for collaborative study of neonatal hyperbilirubinemia in developing countries. One of the goals of the workshop will be to discern next research steps that should be taken. Separate registration (no fee) is required to attend this workshop. For further information and/or registration please contact:

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