



Neurobiology of Disease in Children

**Agenda and Format for the
2008 Neurobiology of Disease in Children Symposium**
CNS 37th Annual Meeting
Santa Clara, November 5th, 2008

7:30 – 5:30 pm

NEUROBIOLOGY OF DISEASE IN CHILDREN SYMPOSIUM

Injury to the Preterm Brain and Cerebral Palsy

Supported by the National Institutes of Health (NIH grant 2 R13 NS40925-01), the Child Neurology Society, the Kennedy Krieger Institute, and the United Cerebral Palsy Research and Education Foundation

7:30 AM – 7:45 AM

Welcome and Statement of Goals

Bernard L. Maria, MD, MBA, PI of NDC
Medical University of South Carolina
Charleston, SC

Biomedical Research in Injury to the Preterm Brain

Story Landis, PhD, Director of NINDS
Bethesda, MD

CLINICAL ASPECTS OF Injury to the Preterm Brain

Moderator: Michael V. Johnston, M.D. Symposium Director
Kennedy Krieger Institute
Baltimore, MD

7:45 AM – 8:15 AM

Injury to the Preterm Brain: Where are we now?

Joseph Volpe, M.D.
Children's Hospital Boston
Boston, MA

8:15 AM – 9:30 AM

Pathogenesis and Neuroimaging

Neuropathology of Periventricular Leukomalacia (PVL)
Rebecca Folkert, M.D, Children's Hospital Boston, Boston, MA

Neuroimaging of the Preterm Brain

David Edwards, FMedSci, Hammersmith Hospital, London, UK

Fetal Inflammatory Syndrome and Brain Injury

Olaf Dammann, M.D., University of Hannover, Germany

9:30 AM – 10:00 AM

Brain Injury and Cerebral Palsy

Hemodynamic Mechanisms of Fetal-Neonatal Brain Injury
Adre du Plessis, M.D., Children's Hospital Boston, Boston, MA

Clinical Manifestations of Cerebral Palsy

Jan Brunstrom, M.D., St. Louis Children's Hospital, St. Louis, MO

10:00 AM – 10:15 AM

Question and Answer Session

10:15 AM – 10:30 AM

BREAK

MOLECULAR MECHANISMS IN Injury to the Preterm Brain

Moderator: Pierre Gressens, M.D., Ph.D
Hospital Robert Debré
Paris, France

10:30 AM – 11:00 AM

Experimental Models of White Matter Injury

Stephen Back, M.D., Ph.D.
Oregon Health Sciences Center
Portland, OR

11:00 AM – 11:30 AM

Apoptotic Mechanisms of Cell Death in the Brain

Henrik Hagberg, M.D., Ph.D., Symposium Co-Director
Göteborg University
Göteborg, Sweden

11:30 AM – 11:55 AM

Excitotoxic Mechanisms of White Matter Injury

Frances Jensen, M.D
Harvard University
Boston, MA

11:55 AM – 12:20 PM

PET Imaging of Neuroinflammation

Sujatha Kannan, M.D.
Children's Hospital of Michigan
Wayne State University
Detroit, MI

12:20 AM – 12:35 AM

Question and Answer Session

12:35 PM – 1:35 PM

LUNCH

CONTROVERSIES AND UNANSWERED QUESTIONS

Moderator: Jan Brunstrom, M.D., Symposium Co-Director
St. Louis Children's Hospital
St. Louis, MO

1:35 PM – 2:00 PM

Rehabilitative Therapies: Do They Improve Outcome?

Diane Damiano, Ph.D., PT
Washington University
St. Louis, MO

2:00 PM – 2:25 PM

Activity-Dependent Cortical Plasticity

Monica Perez, Ph.D., PT
Kennedy Krieger Institute
Baltimore, MD

2:25 PM – 2:50 PM

Neuroprotective Interventions: Is it too late?

Doe Jenkins, M.D.
Medical University of South Carolina
Charleston, SC

2:50 PM – 3:15 PM

Possible Role for Stem Cell-based Therapies

John McDonald, M.D., Ph.D.
Kennedy Krieger Institute
Baltimore, MD

3:15 PM – 3:40 PM

Question and Answer Session (Coffee and Snacks in Room)

Executive Summary for the Day

Donna Ferriero, M.D.
UCSF Children's Hospital
San Francisco, CA

FUTURE DIRECTIONS

Moderators: Deborah Hirtz, M.D., NINDS Program Director

3:40 PM – 4:55 PM

Panel Discussion:

Sidhartha Tan, M.D., Northwestern University, Evanston, IL
Steven Miller, MDCM, MAS, FRCPC, BC Children's Hospital, Vancouver, BC
Pam Follett, MD, MPH, Tufts University School of Medicine, Boston, MA
Mindy Aisen, M.D., UCP Research and Education Foundation, Washington, DC
Carina Mallard, Ph.D., Göteborg University, Göteborg, Sweden
Alec Hoon, M.D., M.P.H., Kennedy Krieger Institute, Baltimore, MD

4:55 PM – 5:00 PM

Closing Comments

Bernard L. Maria, MD, MBA, PI of NDC
Medical University of South Carolina
Charleston, SC