

2013 Neurobiology of Disease in Children Symposium: Mitochondrial Disease

Wednesday, October 30, 2013 - Wednesday, October 30, 2013
Austin, TX

Agenda

Mitochondrial Disease

Supported by the National Institutes of Health (NIH grant 5R13NS040925-09), the Child Neurology Society and the United Mitochondrial Disease Foundation

7:30 AM – 7:40 AM

Opening Comments

Bernard L. Maria, MD/MBA, Principal Investigator
(Georgia Health Sciences University)
Story Landis, PhD
(Director of NINDS)

7:40 AM – 9:55 AM

SESSION I: Clinical Aspects

Co-Director and Moderator: Dr. Bruce Cohen, MD, Akron Children's Hospital

7:40 AM – 8:05 AM

Natural Histories and Classification of the Mitochondrial Disease

Mitochondrial Disease
Eric Schon, PhD
(Columbia University)

8:05 AM – 8:30 AM

Diagnosis and Treatment of Mitochondrial Diseases

Bruce Cohen, MD
(Akron Children's Hospital)

8:30 AM – 8:55 AM

Mitochondrial DNA Disorders

Patrick Chinnery, PhD/MRCPath/MRCP
(New Castle upon Tyne)

8:55 AM – 9:20 AM

POLG: Primary and Secondary Disorders

Robert K. Naviaux, MD/PhD
(University of California, San Diego)

9:20 AM – 9:40 AM

Question and Answer Session

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9:40 AM – 9:55 AM

Coffee Break

9:55 AM – 11:30 AM

SESSION II: Molecular Mechanisms

Co-Director and Moderator: William Copeland, PhD, NIEHS

9:55 AM – 10:20 AM

Defects of Mitochondrial DNA Replication

William Copeland, PhD
(NIEHS)

10:20 AM – 10:45 AM

Mitochondrial Dynamics and Parkinsons

Richard Youle, PhD
(NINDS)

10:45 AM – 11:10 AM

Systems Biology Approach to Mitochondrial Disease

Vamsi Mootha, MD
(Harvard Medical School)

11:10 AM – 11:30 AM

Question and Answer Session

11:30 AM – 1:00 PM

Lunch and Presentation by *United Mitochondrial Disease Foundation*

1:00 PM – 2:40 PM

SESSION III: TRANSLATIONAL SCIENCE AND CLINICAL FRONTIERS

Co-Director and Moderator: Greg Enns, PhD, Stanford University School of Medicine

1:00 PM – 1:25 PM

Gene Therapy and Enzyme Replacement

Michio Hirano, MD
(Columbia University Medical Center)

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1:25 PM – 1:50 PM

Exercise Therapies in Attenuating Mitochondrial Disease

Mark Tarnopolsky, MD/PhD/FRCPC
(McMaster University)

1:50 PM – 2:15 PM

Clinical Trials: Edison Pharmaceuticals, EPI-743

Greg Enns, PhD
(Stanford University School of Medicine)

2:15 PM – 2:40 PM

Occupational, Environmental and Therapeutically Acquired Mitochondrial Disorders

Kendall Wallace, PhD
(University of Minnesota)

2:40 PM – 3:00 PM

Question and Answer Session

3:00 PM – 3:15 PM

In Room Coffee Break

3:15 PM – 3:45 PM

EXECUTIVE SUMMARY OF THE DAY

Bruce Cohen, MD, Akron Children's Hospital & William Copeland, PhD, NIEHS

3:45 PM – 4:45 PM

SESSION IV: FUTURE DIRECTIONS PANEL DISCUSSION

Moderator: Doug Wallace, PHD, Children's Hospital of Pennsylvania

Russ Saneto, DO/PHD
Seattle Children's

Sumit Parikh, MD
Cleveland Clinic

Amy Goldstein, MD
Children's Hospital of
Pittsburgh

Salvatore DiMauro, MD
Columbia University Medical
Center

Andrea Gropman, MD
Children's National Medical
Center

Richard Haas, MD
University of California, San
Diego

4:45 PM – 5:00 PM

Closing Comments and Thanks

Bernard L. Maria, MD/MBA, Principal Investigator

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(Georgia Regents University)