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

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)

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
(Georgia Regents University)