

CME Accreditation

Seattle Children's is accredited by the Washington State Medical Association CME Accreditation Committee to sponsor continuing medical education for physicians.

Seattle Children's designates this live educational activity for a maximum of 7 hours in Category I to satisfy the re-licensure requirements of the Washington State Medical Quality Assurance Commission.

Seattle Children's designates this live educational activity for a maximum of 7 *AMA PRA Category 1 Credits™*. Physicians should only claim credit commensurate with the extent of their participation in the activity.

Who Should Attend?

- Physicians of all Specialties
- Nurse Practitioners
- Physician Assistants
- Allied Health Professionals
- Emergency Nurses

Course Objectives

Participants will be able to assess and utilize best practices to:

- Evaluate potential mitochondrial diseases in patients
- Manage mitochondrial diseases in patients
- Advise patients about mitochondrial diseases and treatment
- Analyze recent articles that discuss mitochondrial diseases
- Assess organ-specific involvement in the context of mitochondrial diseases



Seattle Children's Research Institute
Community Relations
CW 8-4 PO Box 5371
Seattle, WA 98145

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Seattle Children's Mission

We believe all children have unique needs and should grow up without illness or injury. With the support of the community and through our spirit of inquiry, we will prevent, treat and eliminate pediatric disease.

Conference web address:
www.seattlechildrens.org/mitoconference

“ We find comfort in knowing researchers and clinicians are coming together at the Mitochondrial Biology Conference to help children, like our daughter, and their families. Please attend, share your experiences of caring for a child with mitochondrial disease, and help us move closer to finding a cure.”

- Brenda Senger, mother of Teresa age 15, PhD, RN,
mitochondrial disease investigator

Mitochondrial Biology Conference

Presented by: Seattle Children's Research Institute
In Collaboration with the Mitochondrial Research Guild



Friday, September 12, 2014

Bell Harbor International
Conference Center

Seattle, Washington

Conference Committee:

Sihoun Hahn, MD, PhD
Kathie Kohorn, MA
Philip Morgan, MD
Russ Saneto, DO, PhD
Margaret Sedensky, MD

The Mitochondrial Conundrum: Novel Presentations and Treatments of Mitochondrial Diseases

The study of mitochondrial diseases is a relatively new field of medicine. The diversity of syndromes caused, wholly or in part, by mitochondrial defects is astounding. Historically, mitochondrial diseases have been thought to be largely untreatable. However, recent new therapies offer hope to a wide group of patients.

The Second Biannual Mitochondrial Biology Conference will bring together renowned leaders in the field of mitochondrial disease research and patient care. Discussion will focus on the newly recognized atypical presentations of mitochondrial diseases, with an emphasis on new therapies that are giving new cause for hope.

Join us and add your voice as we discuss the wide variation in presentation of mitochondrial diseases and novel therapies being tested. Families and patients are welcome.



AGENDA FRIDAY, SEPTEMBER 12 – SATURDAY, SEPTEMBER 13, 2014

Friday, September 12, 2014

7:45 a.m. Introduction

Philip Morgan, MD
Professor of Anesthesiology
Seattle Children's Research Institute/
University of Washington

8:00 a.m. New gene discoveries: organ specific mechanisms of mitochondrial diseases Targeted therapeutic interventions

David Thorburn, PhD
NHMRC Principal Research Fellow
Murdoch Children's Research Institute/
Royal Children's Hospital, Melbourne

8:40 a.m. Citrulline therapy

Heart involvement in mitochondrial diseases

Fernando Scaglia, MD
Professor, Department of
Molecular and Human Genetics
Baylor College of Medicine

9:20 a.m. Gastrointestinal involvement in mitochondrial diseases, in particular MNGIE Bone marrow transplant as therapy

Michio Hirano, MD
Professor of Neurology
Columbia University Medical Center

10:00 a.m. Break

10:20 a.m. Eye involvement in mitochondrial diseases; LHON

Therapies: idebenone, resveratrol, bezafibrate

Patrick Chinnery, MD, PhD
Professor of Neurogenetics
University of Newcastle upon Tyne

11:00 a.m. Strategies for diagnostic work-up for organ specific mitochondrial diseases Role of metabolomics in diagnosis

Charles Hoppel, MD
Professor of Pharmacology,
Medicine and Oncology
Case Western Reserve University

11:40 a.m. MORNING PANEL Treatments in mitochondrial diseases based on organ involvement

Fernando Scaglia, MD
Baylor College of Medicine

Charles Hoppel, MD
Case Western Reserve University

Michio Hirano, MD
Columbia University Medical Center

David Thorburn, PhD
Murdoch Children's Research Institute/
Royal Children's Hospital, Melbourne

Patrick Chinnery, MD, PhD
University of Newcastle upon Tyne

12:20 p.m. Lunch

1:30 p.m. Liver involvement in mitochondrial diseases Mitochondrial biogenesis as therapy

Robert Naviaux, MD, PhD
Professor of Medicine,
Pediatrics, and Pathology
University of California at San Diego

2:10 p.m. New therapeutics; EPI-743

Gregory Enns, MD
Associate Professor of Pediatrics
Lucile Packard Children's Hospital/
Stanford School of Medicine

2:50 p.m. Overview of organ specific diseases

Russell Saneto, DO, PhD
Professor of Neurology
Seattle Children's Research Institute/
University of Washington

3:20 p.m. Overview of therapies

Bruce H. Cohen, MD
Professor of Pediatrics/
Director of Neurology
Northeast Ohio Medical University,
Children's Hospital Medical Center of Akron

4:00 p.m. PANEL DISCUSSION OF THERAPIES

Robert Naviaux, MD, PhD
University of California at San Diego

Gregory Enns, MD
Lucile Packard Children's Hospital/
Stanford School of Medicine

Bruce H. Cohen, MD
Northeast Ohio Medical University,
Children's Hospital Medical Center of Akron

Sihoun Hahn, MD, PhD
Seattle Children's Research Institute/
University of Washington

Russell Saneto, DO, PhD
Seattle Children's Research Institute/
University of Washington

4:45 p.m. Closing Reception Washington Wines and Hors d'Oeuvres

Saturday, September 13, 2014

7:30 a.m. - 1:30 p.m. Family Day – Meeting with the Families of the Mitochondrial Research Guild

Seattle Children's Research Institute
Jack R. MacDonald Building
1900 Ninth Avenue, 11th Floor
Seattle, WA 98101

5:00 p.m. 12th Annual Cure for Mito Auction benefitting Seattle Children's and the Mitochondrial Research Guild

Willows Lodge in Woodinville, WA
Reception, dinner, live auction and
entertainment

Requires separate ticket. For more
information, visit www.nwmito-research.org



DETAILS

PRICING

Registrations will be accepted in the order received. Space is limited. The fee includes CME credits, syllabus, parking, continental breakfast, lunch, and Friday's reception.

General registrations received by August 15, 2014 - \$150

General registrations received after August 15, 2014 - \$175

Students, Postdocs, Fellows and Seattle Children's staff - \$50

Family members of mitochondrial disease patients - \$50 per family
includes admission to Family Day on Saturday, September 13th

Family Day only, September 13th - \$25 per family (no childcare available)

REGISTRATION INFORMATION

All participants must pre-register by September 5, 2014. There will be no on-site registration.

Online: www.seattlechildrens.org/mitoconference

Phone: 206-987-5379

Fax: 206-987-5798

Cancellation Policy: You may cancel your registration through September 1, 2014, and receive a full refund minus a \$25 cancellation fee. No refunds will be issued after September 1, 2014.

Questions? Please email Kathie Kohorn at kathie.kohorn@seattlechildrens.org

VENUE

Bell Harbor International Conference Center

Located on Seattle's waterfront
2211 Alaskan Way, Pier 66
Seattle, WA 98121

Telephone: 206-441-6666

Toll-Free: 808-772-4422

Visit the Bell Harbor International Conference Center website www.bellharbor.com for additional information, such as directions to the parking garage and conference center. Parking costs are covered in your conference registration fee.

HOTEL AND TRANSPORTATION

We recommend that you stay in the downtown Seattle area for easy transportation and that you make your reservation soon to ensure the hotel of your choice.

Learn more at:
www.seattlechildrens.org/mitoconference

 Join the conversation.
#mitoconference