Co-Organiizers:
Luigi Notarangelo, MD, National Institutes of Health
Elie Haddad, MD, PhD, CHU-Ste. Justine & University of Montreal
Troy Torgerson, MD, PhD, University of Washington & Seattle Children’s Research Institute

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About the Thymus Defect Taskforce:
The Thymus Defect Taskforce’s (TDT) mission is to address the growing need in the field of Clinical Immunology and Primary Immunodeficiencies of the role of thymus transplantation in the management of patients with thymic defects. The objectives of the taskforce would be to develop guidelines, on behalf of CIS that would outline the biology of thymic defects, the gaps in clinical care, current management strategies, need and access issues in thymus transplantation, protocols of thymus transplantation and monitoring, regulatory issues and future directions. The TDT will also endeavor to collaborate with existing registries to expand an existing, or add a new registry for patients diagnosed with thymic defects, especially via newborn screening.

Chair:
Elie Haddad, MD, PhD, CHU-Ste. Justine & University of Montreal

Members:
Jack Bleesing, MD, PhD, Cincinnati Children’s Hospital
Marita Bosticcardo, PhD, NIH
Ivan Chinn, MD, Baylor College of Medicine
Cathleen Collins, MD, PhD, UCSD
E. Graham Davies, Great Ormond Street Hospital
M Teresa De La Morena, MD, Seattle Children’s Hospital
Michael Keller, MD, Children’s National Medical Center
Michail Lionakis, MD, LCID, NIAID, NIH
Mary Louise Markert, MD, PhD, Duke University Medical Center
Peter Mustillo, MD, Nationwide Children’s Hospital
Luigi Notarangelo, MD, NIH
THYMIC DEFECTS: FROM BIOLOGY TO TREATMENT
April 3, 2019  HILTON ATLANTA

7:00am - 7:45am  Registration and Continental Breakfast
Location: Galleria 4

7:45am - 7:50am  Introduction and Welcome
Location: Galleria 5
Luigi Notarangelo, MD, National Institutes of Health
Elie Haddad, MD, PhD, CHU-Ste. Justine & University of Montreal

7:50am - 8:10am  Clinical Vignettes
Troy Torgerson, MD, PhD, University of Washington & Seattle Children’s Research Institute

8:10am - 8:30am  Thymic Epithelial Cell Composition in Primary Immunodeficiencies
Marita Bosticardo, PhD, National Institutes of Health

8:30am - 8:50am  Use of iPS Cells to Assess Thymic Defects in DiGeorge Syndrome
Katja Weinacht, MD, PhD, Stanford University

8:50am - 9:20am  Regulation of FOXN1 Expression
Avinash Bhandoola, MB, BS, PhD, National Cancer Institute

9:20am - 9:30am  Morning Break

9:30am - 10:00am  In Vitro T cell Differentiation Using Thymic Organoids
Gay Crooks, MBBS, University of California, Los Angeles

10:00am - 10:30am  In Vitro T cell Differentiation Using Bead-Based Thymic Signals
Juan Carlos Zúñiga-Pflücker, PhD, University of Toronto

10:30am - 10:50am  Assessment of Thymic Function in Severe Lymphopenia
Elie Haddad, MD, PhD, CHU-Ste. Justine & University of Montreal

10:50am - 11:20am  New Athymia: PAX1 and FOXN1 Defects
Luigi Notarangelo, MD, National Institutes of Health

11:20am - 11:50am  Thymus Transplantation: UK Experience
Dr. Graham Davies, Great Ormond Street Hospital for Children

11:50am - 12:20pm  Thymus Transplantation: US Experience and Draft Guidelines
Mary Louise Markert, MD, PhD, Duke University

12:20pm - 1:00pm  LUNCH
Location: Galleria 4

1:00pm - 1:45pm  Panel Discussion Featuring Invited Speakers
Moderator: Troy Torgerson, MD, PhD, University of Washington & Seattle Children’s Research Institute

1:45pm - 2:00pm  Summary of Symposium and Future Action
• Troy Torgerson, MD, PhD, University of Washington & Seattle Children’s Research Institute
• Luigi Notarangelo, MD, National Institutes of Health
• Elie Haddad, MD, PhD, CHU-Ste. Justine & University of Montreal

2:00pm  ADJOURN

2:00pm - 3:30pm  Post-Symposium Reception
Galleria 2
2019 CIS School in Primary Immunodeficiency Diseases

Save the Date

October 24 - 27, 2019
Sonesta Fort Lauderdale Beach | Fort Lauderdale, Florida