

**Complex Immune  
Dysregulation Syndromes:  
*Discovery, Diagnosis,  
Treatment***

**Friday, June 7, 2019**

Ruth and Tristram Colket, Jr.  
Translational Research Building on the  
Raymond G. Perelman Campus

**Register online:  
[chop.cloud-cme.com](http://chop.cloud-cme.com)**

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## Course Information Overview

Immune dysregulation syndromes cover a broad range of diseases affecting multiple organs, often culminating in a life-threatening “cytokine storm.” With an ever-increasing array of diagnostic and therapeutic possibilities, a fundamental understanding of the pathophysiology, coupled with a multidisciplinary expert approach, is required to diagnose and care for these patients. This course is intended to teach physicians and advanced practice providers the latest advances in the field of immune dysregulation. The material covered is important for those caring for patients with multiorgan immune dysregulation syndromes to learn about recent advances relevant to the care of this population. Attendees will learn through didactic lecture from experts in the field about recent developments in pathophysiology, diagnosis and treatment.

## General Information

The conference will be held in the Ruth and Tristram Colket, Jr. Translational Research Building on the Raymond G. Perelman Campus at Children’s Hospital of Philadelphia. The registration fee is \$100 and includes continental breakfast, breaks, lunch, parking and syllabus material.

## Course Objectives

- Recognize the clinical presentation of complex multiorgan immune dysregulation syndromes
- Understand the role of modern genetic and functional immunologic testing for diagnosis of immune dysregulation syndromes
- Review the numerous treatment modalities for immune dysregulation syndromes

## ACCME Accreditation Statement

Children’s Hospital of Philadelphia is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing education for physicians.

## AMA Credit Designation Statement

Children’s Hospital of Philadelphia designates this live activity for a maximum of 5.0 *AMA PRA Category 1 Credits™*. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

## Cancellation and Refund Policy

Children’s Hospital of Philadelphia reserves the right to cancel or postpone any course due to any unforeseen circumstances. In the event of cancellation or postponement, Children’s Hospital of Philadelphia will refund any registration fees, less a \$40 service charge, but is not responsible for any related costs, charges or expenses to participants, including cancellation charges assessed by airlines or travel agencies. In order to process refunds for course withdrawals, cancellation must be received in writing by Saturday, June 1, 2019. No refunds will be issued thereafter.

## Services for People with Disabilities

If special arrangements are required for an individual with a disability to attend this meeting, please contact the Continuing Medical Education Department at 215-590-5263.

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## PROGRAM – FRIDAY, JUNE 7, 2019

8:30 a.m.	Registration and Continental Breakfast	1–2 p.m.	<b>Clinical Immune Dysregulation</b>
9–9:50 a.m.	<b>HLH Research</b>	1 p.m.	Monogenic Autoinflammatory Diseases <i>Edward M. Behrens, MD</i>
9 a.m.	Welcome and Introduction <i>Edward M. Behrens, MD</i>	1:15 p.m.	An Update on ALPS and Related Immune Disorders <i>David T. Teachey, MD</i>
9:10 a.m.	Putting out the Fire: Janus Kinase Inhibition in Hemophagocytic Lymphohistiocytosis <i>Kimberly E. Nichols, MD</i>	1:30 p.m.	Immune Dysregulation in Evans Syndrome <i>Michele P. Lambert, MD, MSTR</i>
9:30 a.m.	New Insights in Degranulation Biology <i>Claudio G. Giraudo, PhD</i>	1:45 p.m.	CVID Overlap Syndromes Update <i>Kathleen E. Sullivan, MD, PhD</i>
9:50 a.m.	Break	2–3 p.m.	<b>Keynote Speaker II</b> Autologous Stem Cell Transplant for MS <i>Amit Bar-Or, MD, FRCPC, ABPN, FAAN, FANA</i>
10–11 a.m.	<b>Monogenic Immune Dysregulation Disorders Research</b>	3 p.m.	Closing Remarks
10 a.m.	DIRT-γ Antibody Diseases <i>Neil D. Romberg, MD</i>	3:30 p.m.	Adjourn
10:20 a.m.	Novel Clinical Program for the Diagnosis and Treatment of Immune Dysregulation Syndromes <i>Edward M. Behrens, MD</i>		
10:40 a.m.	Neurologic Type I Interferonopathies <i>Laura A. Adang, MD, PhD</i>		
11 a.m.	<b>Keynote Speaker I</b> Genomic Approaches to Solving Primary Immune Disorders <i>Michael J. Lenardo, MD</i>		
Noon	Lunch		

## FACULTY

Unless otherwise noted, faculty is from Children's Hospital of Philadelphia and/or the Perelman School of Medicine at the University of Pennsylvania.

### Course Directors

#### **Edward M. Behrens, MD**

*Division Chief, Pediatric Rheumatology  
Director, Immune Dysregulation Frontier  
Program*

*Attending Physician, Division of  
Rheumatology  
Associate Professor of Pediatrics*

#### **Michele P. Lambert, MD, MSTR**

*Co-Director, Immune Dysregulation  
Frontier Program  
Medical Director, Special Coagulation  
Laboratory  
Department of Pathology and Laboratory  
Medicine  
Attending Physician, Division of  
Hematology  
Associate Professor of Pediatrics*

#### **Kathleen E. Sullivan, MD, PhD**

*Division Chief, Allergy and Immunology  
Co-Director, Immune Dysregulation  
Frontier Program  
Attending Physician, Division of  
Immunology  
Professor of Pediatrics*

#### **David T. Teachey, MD**

*Co-Director, Immune Dysregulation  
Frontier Program  
Associate Professor of Pediatrics*

### Course Faculty

#### **Laura A. Adang, MD, PhD**

*Attending Neurologist  
Division of Neurology  
Instructor, Division of Neurology  
Department of Pediatrics*

#### **Neil D. Romberg, MD**

*Attending Immunologist  
Division of Allergy and Immunology  
Assistant Professor of Pediatrics*

### Guest Faculty

#### **Amit Bar-Or, MD, FRCPC, ABPN, FAAN, FANA**

*Melissa and Paul Anderson President's  
Distinguished Professor  
Director, Centre for Neuroinflammation  
and Experimental Therapeutics  
Chief, Multiple Sclerosis Division  
Department of Neurology  
Faculty, Biomedical Graduate Studies in  
Neuroscience  
Research Scientist  
Adjunct Professor of Neurology and  
Neurosurgery  
McGill University*

#### **Claudio G. Giraud, PhD**

*Associate Professor  
Department of Microbiology and Immunology  
Sidney Kimmel College of Medicine  
Thomas Jefferson University*

#### **Michael J. Lenardo, MD**

*Chief, Molecular Development of the  
Immune System Section  
Laboratory of Immune System Biology  
Director, Clinical Genomics Program  
National Institute of Allergy and  
Infectious Diseases  
National Institutes of Health*

#### **Kimberly E. Nichols, MD**

*Director, Division of Cancer Predisposition  
Member, Department of Oncology  
St. Jude Children's Research Hospital*