

2018 Update on Diagnostic Advances in Primary Immunodeficiencies

Final Program

April 26, 2018  Sheraton Centre  Toronto, Ontario, Canada





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University of Southern California

James Verbsky, MD, PhD

Medical College of Wisconsin

CONTINUING MEDICAL EDUCATION INFORMATION

Purpose

Provide an opportunity for physicians to update their knowledge of primary immune deficiency and have practical experience with real-life cases.

Content Area

The content will cover practical, cutting edge and theoretical issues related to patient care. Many types of immune deficiencies will be covered to provide the maximal educational experience.

Target Audience

Physicians, scientists and nurses who are involved in the evaluation and/or care of patients with primary immune deficiencies. Participants will be pediatricians, internists, or scientists committed to the clinical management of patients with primary immune deficiency diseases. These candidates may have backgrounds in immunology, adult medicine, rheumatology, hematology, laboratory immunology, or allergy/immunology. This specific learning experience is targeted to those with significant clinical experience in the care of patients with primary immune deficiencies. Lab directors or others involved in diagnostic approaches would represent a key target group.

Learning Objectives

Provide advanced training for physicians and researchers working in the field of primary immune deficiency that covers diagnosis, therapy and future trends related to the care of patients with primary immune deficiency.

- Facilitate interactions among clinicians of diverse training to promote multicenter clinical trials and to coordinate participation in existing clinical trials.
- Improve recognition of primary immune deficiencies.
- Improve understanding of the diagnostic issues and the pathophysiology of primary immune deficiencies.
- Improve understanding of the appropriate interventions for these diseases.

ACCME Accreditation Statement

This activity has been planned and implemented in accordance with the accreditation requirements and policies of the Accreditation Council for Continuing Medical Education (ACCME) through the sponsorship of the Clinical Immunology Society (CIS). The CIS is accredited by the ACCME to provide continuing medical education for physicians.

Designation Statement

The Clinical Immunology Society designates this live activity for a maximum of 4.75 AMA PRA Category 1 Credit(s)[™]. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Claiming CME

To claim CME credit and print out your CME certificate and/or certificate of attendance, please visit: <https://cis.clinimmsoc.org/cme/am18/>

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PROGRAM COMMITTEE AND SPEAKER DISCLOSURES

Disclosures of Conflict of Interest

The Clinical Immunology Society (CIS) require instructors, planners, managers and other individuals who are in a position to control the content of this activity to disclose any real or apparent conflict of interest (COI) they may have as related to the content of this activity. All identified COI are thoroughly vetted and resolved. The existence or absence of COI for everyone in a position to control content appears below.

Giorgia Bucciol, MD

KU Leuven

- CSL Behring (Self): Partial travel expenses coverage for participation in CIS annual meeting

Janko Nickolic-Zugich, MD, PhD

Department of Immunobiology, University of Arizona

- Young Blood Institute (Self): Co-Chair of Scientific Advisory Board; Contracted Researcher

Maurice O’Gorman, PhD, MBA, MSc, D(ABMLI)

University of Southern California

- BD Biosciences (Self): Principal Investigator receiving Research Grant
- BD Biosciences (Self): Consultant receiving Consulting Fee
- Horiba Medical (Self): Principal Investigator receiving Research Grant
- Horiba Medical (Self): Consultant receiving Consulting Fee

Thomas Fleisher, MD

American Academy of Allergy, Asthma and Immunology

- Elsevier (Self): Royalties received from book

The following individuals had no financial relationship, as defined by the ACCME, to disclose.

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SCHEDULE OF EVENTS

THURSDAY, APRIL 26

7:00am – 7:55am	Registration and Continental Breakfast	Lower Concourse Foyer
7:55am – 8:00am	Welcome and Introduction Roshini Abraham, PhD , Mayo Clinic	Grand East
8:00am – 9:30am	New Diagnostic Testing for Primary Immunodeficiencies 1.5 AMA PRA Category 1 Credits™ <i>Moderators:</i> Jack Blessing, MD, PhD , Cincinnati Children's Hospital Medical Center Maurice O'Gorman, PhD , University of Southern California <i>Speakers:</i> Inflammasomes Run Amok Neil Romberg, MD , Children's Hospital of Philadelphia When to Order What for Evaluation of Primary Immunodeficiencies James Verbsky, MD, PhD , Medical College of Wisconsin <i>Oral Abstract:</i> DIAGNOSIS OF RADIOSENSITIVITY AND DNA REPAIR DEFECT IN DNA LIGASE IV DEFICIENCY WITH A RAPID FLOW CYTOMETRY ASSAY David Buchbinder, MD, MS , Children's Hospital of Orange County	
9:30am – 10:30am	Case-Based Diagnostic Testing for Primary Immunodeficiencies 1 AMA PRA Category 1 Credit™ <i>Moderators:</i> Rebecca Marsh, MD , Cincinnati Children's Hospital Medical Center Sergio Rosenzweig, MD, PhD , National Institutes of Health Thomas Fleisher, MD , American Academy of Asthma, Allergy, and Immunology <i>Oral Abstract Case Studies:</i> CTLA-4 HAPLOINSUFFICIENCY-ASSOCIATED INFLAMMATION CAN OCCUR INDEPENDENTLY OF T-CELL HYPERPROLIFERATION Brian Nolan, MD , Children's Hospital of Philadelphia CONSTITUTIVE PHOSPHORYLATION OF DNA REPAIR PROTEINS IN SPECIFIC LYMPHOCYTE SUBSETS IN A PATIENT WITH MYB-LIKE, SWIRM, AND MPN DOMAINS 1 (MYSM1) DEFICIENCY Sharat Chandra, MD, MRCPCH , Cincinnati Children's Hospital Medical Center HUMAN PLCG2 HAPLOINSUFFICIENCY RESULTS IN NK CELL IMMUNODEFICIENCY AND HERPESVIRUS SUSCEPTIBILITY Joshua Alinger, MD, PhD , Washington University in St. Louis RNA SEQUENCING IDENTIFIES AICHI VIRUS 1 AS THE CAUSE OF CHRONIC INFECTION WITH LYMPHOPROLIFERATION IN A PATIENT WITH X-LINKED AGAMMAGLOBULINEMIA Giorgia Bucciol, MD , KU Leuven A NOVEL ATM MUTATION ASSOCIATED WITH ELEVATED ATYPICAL LYMPHOCYTE POPULATIONS, HYPER-IGM, AND CUTANEOUS GRANULOMAS Erwin Gelfand, MD , National Jewish Health	Grand East
10:30am – 10:45am	Morning Break	Grand Ballroom Foyer

SCHEDULE OF EVENTS

10:45am – 12:00pm	Immunological Memory: T Cells and B Cells Do It Differently in Vaccine Responses and Infections 1.25 AMA PRA Category 1 Credit™ <i>Moderators:</i> Vijaya Knight, MD, PhD, D(ABMLI) , National Jewish Health James Verbsky, MD, PhD , Medical College of Wisconsin <i>Speakers:</i> T Cell Memory Pamela Schwartzberg, MD, PhD , National Institutes of Health B Cell Memory Stuart Tangye, PhD , Garvan Institute, Australia <i>Oral Abstract:</i> HYPOMORPHIC RAG1 MUTATIONS ALTER THE PRE-IMMUNE REPERTOIRE AT EARLY STAGES OF LYMPHOID DEVELOPMENT Lisa Ott de Bruin, MD , Boston Children's Hospital	Grand East
12:00pm – 1:00 pm	Lunch	Grand Ballroom Foyer
1:00pm – 2:00pm	Aspects of Immune Ageing 1 AMA PRA Category 1 Credit™ <i>Moderators:</i> Janet Chou, MD , Boston Children's Hospital Andrew Snow, PhD , Uniformed Services University of the Health Sciences <i>Speakers:</i> The Etiology of Immune Ageing in Human Immunological Disease Janko Nikolich-Zugich, MD, PhD , University of Arizona Center on Aging Metabolic Aspects of Immune Ageing Michael Lenardo, MD , National Institute of Allergy and Infectious Disease <i>Oral Abstract:</i> OBSTETRIC AND GYNECOLOGICAL OUTCOMES IN PATIENTS WITH STAT3 DEFICIENT HYPER IGE SYNDROME Jenna Bergerson, MD , National Institute of Allergy and Infectious Disease	Grand East
2:00pm – 2:05pm	Conclusion and Wrap Up Vijaya Knight, MD, PhD, D(ABMLI) , National Jewish Health	Grand East

THANK YOU TO OUR SUPPORTERS!

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About the Association of Medical Laboratory Immunologists

The Association of Medical Laboratory Immunologists (AMLI) was organized in 1987 to bring together professional and technical people engaged in the practice and study of medical laboratory immunology. The organization consists of clinical scientists, physicians, dentists, veterinarians, medical technologists, and other professionals engaged in all areas of current laboratory testing. The organization holds an annual meeting where information on all aspects of laboratory immunology are presented including new test development, technical and quality control aspects of current testing, the impact of regulatory issues, new developments in basic immunology and their impact on the practice of clinical immunology, clinical case studies, poster sessions, and round table discussions with experts in the field. The organization's mission is to improve the practice of clinical immunology laboratory testing by encouraging education and training of all individuals in the organization, maximizing the quality of test procedures, promoting the exchange of information, supporting clinical research efforts, and improving patient care.



About the Clinical Immunology Society

The Clinical Immunology Society (CIS), established in 1986, is the key interdisciplinary organization for the field of clinical immunology and is devoted to fostering developments in the science and practice of clinical immunology. CIS is an international professional organization which includes more than 900 clinicians, investigators, and trainees.

The mission of CIS is to facilitate education, translational research and novel approaches to therapy in clinical immunology to promote excellence in the care of patients with immunologic/inflammatory disorders.

The primary objectives and purposes of CIS are to:

- facilitate the interchange of ideas and information;
- promote research and recent advances;
- share knowledge; and
- foster excellence.

Save the Date

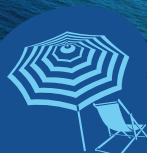


2018 CIS School in Primary Immunodeficiency Diseases



October 11-14, 2018

Sonesta Fort Lauderdale Beach | Fort Lauderdale, Florida



Co-Chairs:

Charlotte Cunningham-Rundles, MD, PhD
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New York, NY

Sergio D. Rosenzweig, MD, PhD
National Institutes of Health
Bethesda, MD

Troy R. Torgerson, MD, PhD
University of Washington
Seattle Children's Research Institute
Seattle, WA

Applications must be supported by a:

- Letter from the Training Program Director or Department Chair;
- Curriculum Vitae;
- Statement of how the School will be beneficial;
- Abstract of the case or research project. CIS is looking for a case report including those which can be presented as a mystery for discussion purposes, but should have a final diagnosis. Cases with management dilemmas which could be discussed are acceptable as are completed research projects germane to the field of primary immune deficiency.

Accepted abstracts will be provided with travel grants to assist with airfare, hotel, and meal expenses. The language of the School will be in English and selected participants are required to become CIS members at the conclusion of the School.

Target Audience:

- Fellows-in-training;
 - Junior faculty members.
- Participants should be pediatricians, internists, or scientists committed to the clinical management of patients with primary immunodeficiency diseases. Candidates may have backgrounds in immunology, infectious diseases, adult medicine, rheumatology, hematology, laboratory immunology, stem cell transplantation, or allergy/immunology.

Objectives:

- Education on the diagnosis, pathogenesis, and treatment of PID;
- Attract and develop future scientists in academic medicine;
- Enhance awareness of clinical immunology and its importance in scientific discoveries and clinical applications;
- Stimulate future collaborations between young investigators in different medical centers and countries, and between young investigators and experienced physician/scientists in the field.





CIS Clinical
Immunology
Society

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