

4th Annual Basic and Clinical Immunology for the Busy Clinician *and* Advances in Biologic Therapies Symposium *An Immunology Boot Camp*

March 11 – 12, 2016
Hollywood Beach Marriott | Hollywood, FL



Why attend?

- Participate in flipped classroom discussions of challenging cases and clinical advances in immunology
- Learn from diverse perspectives of multiple disciplines including rheumatology, dermatology, allergy, and infectious disease
- Increase confidence to read and interpret the current literature in translational immunology
- Enhance decision-making skills for appropriate use of biologic therapies in complex clinical situations
- Faculty presentations available in complimentary mobile app with note-taking and highlighting ability

Register Today! ccfcme.org/AttendClinical16

Overview

Join us for the CME-certified **4th Annual Basic and Clinical Immunology for the Busy Clinician and Advances in Biologic Therapies Symposium: An Immunology Boot Camp**.

This immunology boot camp bridges the gap between the rapidly evolving fields of immunology and biologic therapies so that the practicing clinician may keep abreast of the advances. Attend for the opportunity to engage with faculty and peers to discuss your most challenging cases in the flipped classroom format and learn about the use of biologic agents in the fields of rheumatology, dermatology, allergy, and infectious disease. Get up to speed on the rapid advances in laboratory immunology as it relates to patient care.

Target Audience

The Symposium is directed to rheumatologists, dermatologists, allergists, infectious disease practitioners, internal medicine physicians, pulmonologists, nurse practitioners, physician assistants, and other health care professionals caring for patients with immunologic diseases.

Objectives

By attending, you will be able to do the following:

- Explain the fundamental pathophysiology of the innate immune response, focusing on the impact of the microbiome and elements crucial to the integrated immune response;
- Explain the roles of cellular and humoral elements leading to T cell and B cell activation and deactivation;
- Describe how and why naive T cells differentiate into diverse subsets (eg, T_H1, T_H2, T_H17, Treg) and define their potential roles in health and disease;
- Identify potential pathways within the integrated immune response in which studies suggest potential benefit for immune intervention for the treatment of autoimmune and/or autoinflammatory diseases;
- Critically appraise the significance of intracellular cascades leading to immunologic activation, proliferation and effector functions and the clinical significance of targeting such pathways;
- Describe recent advances presented at key meetings and in the literature on biologic therapy for rheumatoid arthritis, systemic lupus erythematosus, psoriatic arthritis, spondylitis, and psoriasis;
- Integrate experience of experts into the diagnosis and management of complex autoimmune, autoinflammatory and immune deficiency diseases.

Faculty

Activity Director

Leonard Calabrese, DO

Professor of Medicine
Cleveland Clinic Lerner College of Medicine of
Case Western Reserve University
R.J. Fasnemyer Chair of Clinical Immunology
Orthopaedic and Rheumatologic Institute
Cleveland Clinic
Cleveland, OH

Anthony Fernandez, MD, PhD

Director of Medical Dermatology
Department of Dermatology
Department of Anatomic Pathology
Dermatology and Plastic Surgery Institute
Cleveland, OH

James Fernandez, MD, PhD

Director, Allergy and Immunology
Louis Stokes VA Medical Center, Wade Park
Department of Allergy and Immunology
Department of Rheumatic and
Immunologic Diseases
Cleveland Clinic
Cleveland, OH

M. Elaine Husni, MD, MPH

Director, Arthritis and Musculoskeletal
Treatment Center
Vice Chair of Rheumatology
Department of Rheumatic and
Immunologic Diseases
Orthopaedic and Rheumatologic Institute
Cleveland Clinic
Cleveland, OH

R. John Looney, MD

Professor of Medicine
Stephen I. Rosenfeld Professor of Allergy and
Clinical Immunology
University of Rochester
Rochester, NY

William Rigby, MD

Vice-Chair, Department of Medicine
Professor of Medicine and Microbiology
The Geisel School of Medicine at Dartmouth
Lebanon, NH

Gregg J. Silverman, MD

Associate Director, Division of Rheumatology
Professor of Medicine and Pathology
NYU School of Medicine
New York, NY

Agenda

Friday, March 11, 2016

Basic and Clinical Immunology for the Busy Clinician

- 7:30 am** Registration, Continental Breakfast, and Exhibits
- 8:30 am** Welcoming Remarks
- 8:40 am** Overview of Innate Immunity, the Microbiome and the Integrated Immune Response
Leonard Calabrese, DO
- 9:30 am** Antigen Presentation, T Cell Activation and Deactivation
Leonard Calabrese, DO
- 10:15 am** Break and Exhibits
- 10:45 am** T Cell Effector Function (T_H1 , T_H2 , T_H17) and Cytokine Biology
John Looney, MD
- 11:30 am** Tolerance and Autoimmunity – Lessons from Animals Models and Primary Immunodeficiency Syndromes
John Looney, MD
- 12:15 pm** Break and Exhibits
- 12:45 pm** Lunch with the Professor – Flipped Classroom – Attendees Select Cases and Questions
First come, first served – Select a topic when you register
- A. General Clinical Immunology – The Basics of Immunology and Clinical Immunology**
Leonard Calabrese, DO
 - B. B Cells and Autoimmunity, SLE and Related Conditions**
Gregg Silverman, MD
 - C. Primary and Secondary Immunodeficiencies and Infectious Diseases**
John Looney, MD
 - D. Autoimmune Disease, RA and Allied Conditions**
William Rigby, MD
 - E. Challenges in Allergy and Clinical Immunology, including IVIg Therapy**
James Fernandez, MD, PhD
- 1:45 pm** B Cell Biology and T Follicular Helper Cells – The Fundamentals
Gregg Silverman, MD
- 2:30 pm** Immunoglobulin and Complement in Health and Disease
William Rigby, MD
- 3:15 pm** Interactive Cases: Challenges in Clinical Immunology (Autoimmune, Autoinflammatory, Immunodeficiency Diseases)
Panel
- 4:00 pm** Adjourn

Saturday, March 12, 2016

Advances in Biologic Therapies

- 8:00 am** Continental Breakfast and Exhibits
- 8:30 am** Advances in Rheumatoid Arthritis
William Rigby, MD
- 9:00 am** Advances in SLE and Vasculitis
Gregg Silverman, MD
- 9:30 am** Advances in Psoriatic Arthritis and Spondyloarthritis
M. Elaine Husni, MD, MPH
- 10:00 am** Break and Exhibits
- 10:30 am** Advances in Allergy and Clinical Immunology
James Fernandez, MD, PhD
- 11:00 am** Advances in Dermatology
Anthony Fernandez, MD, PhD
- 11:30 am** Cases with the Experts
Moderator: Leonard Calabrese, DO
Panel
- 12:15 pm** Adjourn

All presentations include a 5-minute question and answer period.

General Information

Location

Hollywood Beach Marriott Hotel
2501 N. Ocean Drive
Hollywood, FL 33019
954.924.2202
www.hollywoodbeachmarriott.com

Hotel Accommodations

A limited block of rooms has been reserved at the **Hollywood Beach Marriott Hotel** until February 18, 2016. To make your reservations, contact the Hotel Reservations Department at 888.788.2711. Please identify yourself as being with the **Cleveland Clinic Foundation – Immunology Meeting**, for a special rate of \$279 single/double plus tax and service fees.

Information

For further information about this activity, contact the Cleveland Clinic Center for Continuing Education at:

Local: 216.444.9990
Toll Free: 800.238.6750

Web Address:
ccfcme.org/attendclinical16

Registration and Cancellation

Preregistrations are accepted until 2:00 pm ET, March 10, 2016. Register on site after this date. In case of cancellation, a full refund will be made if canceled by February 25, 2016. After February 25, 2016, a \$75 cancellation fee will be deducted from your refund. Email notification of your cancellation by March 11, 2016 is required to process your refund. For questions about registration or cancellation, email us at cmeregistration@ccf.org or call 216.448.8710.

Faculty Disclosure

The Cleveland Clinic Foundation Center for Continuing Education has implemented a policy to comply with the current Accreditation Council for Continuing Medical Education Standards for Commercial Support requiring resolution of all faculty conflicts of interest. Faculty declaring a relevant commercial interest will be identified in the activity syllabus.

Accreditation

The Cleveland Clinic Foundation Center for Continuing Education is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

The Cleveland Clinic Foundation Center for Continuing Education designates this live activity for a maximum of 9.75 *AMA PRA Category 1 Credits™*. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Participants claiming CME credit from this activity may submit the credit hours to the American Osteopathic Association for Category 2 credit.

Other Health Care Professionals

A certificate of attendance will be provided to other health care professionals for requesting credits in accordance with state nursing boards, specialty societies, or other professional associations.

Americans with Disabilities Act

The Cleveland Clinic Foundation Center for Continuing Education fully intends to comply with the legal requirements of the Americans with Disabilities Act. If you need assistance, please notify us at least two weeks prior to the activity.

Free App for all attendees!

Included with your full registration is a complimentary mobile App available for download on tablets and smartphones incorporating PowerPoint slides with note-taking and highlighting ability. Take notes at the activity and continue reviewing when you get home. You will have access prior to the activity to allow you to download or print the slides.



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Two Ways to Register



ONLINE
ccfme.org/AttendClinical16
Cleveland Clinic and Cleveland Clinic Health System employee fees and registration are available online.



BY MAIL
The Cleveland Clinic Educational Foundation
PO Box 931653, Cleveland, OH 44193-1082
Make check payable:
[The Cleveland Clinic Educational Foundation](#)
Total check amount enclosed: \$ _____

Please Print Complete the information below if registering by mail.

First Name:	MI:	Last Name:	Degree:
Institution Name:			
Address:			
City:	State:	Zip:	
Phone Number:	Fax Number:		
Specialty:	Email Address:		
Practice Type: ☐ Office-Based ☐ Hospital Staff ☐ Resident/Fellow ☐ Other			
☐ I require vegetarian meals.			

Fees

Fee Includes: continental breakfasts, lunch, refreshments breaks, and faculty presentations available online via mobile app or laptop.

	Early Bird Before or On February 1, 2016	After February 1, 2016
☐ Physician	\$150	\$200
☐ Resident*/Fellow*	\$0	\$0
☐ Nurses, NPs, and PAs	\$125	\$175
☐ Corporate	\$300	\$350
*Letter from program director is required to receive the discounted fee. If letter is not received two weeks prior to the activity, the full physician fee will be charged.		

Lunch with the Professor – Flipped Classroom
First come, first served- Please select your table of preference

☐ A. General Clinical Immunology – The Basics of Immunology and Clinical Immunology, *Leonard Calabrese, DO*

☐ B. B Cells and Autoimmunity, SLE and Related Conditions, *Gregg Silverman, MD*

☐ C. Primary and Secondary Immunodeficiencies and Infectious Diseases, *John Looney, MD*

☐ D. Autoimmune Disease, RA and Allied Conditions, *William Rigby, MD*

☐ E. Challenges in Allergy and Clinical Immunology, including IVIg Therapy, *James Fernandez, MD, PhD*

For registration questions, please email cmeregistration@ccf.org or call 216.448.8710

Cleveland Clinic recognizes the importance of protecting the privacy and security of information provided to us. Therefore, we are no longer requesting credit card data in writing, including on registration forms or faxes. If you would like to register using a credit card, please log in to www.ccfme.org/AttendClinical16 or call 216.448.8710 where it will be handled directly by a certified processor.

Cleveland Clinic Center for Continuing Education reserves the right to cancel or postpone activity in our sole discretion. In the unlikely event that this occurs, any registration fee(s) paid will be refunded. Be advised that Cleveland Clinic is not responsible for related costs including airline tickets, hotel costs, or any similar fee penalties incurred as a result of any trip cancellations or changes.



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