Cleveland Clinic

R.J. Fasenmyer Center for Clinical Immunology

7th Annual Basic and Clinical Immunology for the Busy Clinician: What Is New and Hot in Immunology

An Immunology Boot Camp

February 15-16, 2019
Saguaro Scottsdale, Scottsdale, AZ



Why attend?

- Timely overview of recent advances in basic and clinical immunology
- Concentrated review of the mechanism of action, efficacy and toxicity of established and new biologic therapies for IMIDs with an emphasis on translational immunology
- Unique session on immunologic health and it's integration into patient care
- Flipped classroom discussions of challenging cases and clinical advances in immunology – an opportunity to ask the experts

This program has been endorsed by Arizona United Rheumatology Alliance, Association of Women in Rheumatology, California Rheumatology Alliance, Cleveland Society of Rheumatology, Florida Society of Rheumatology and North Carolina Rheumatology Association

Media Coverage by Healio Rheumatology

Healio Rheumatology

Register Today! ccfcme.org/clinical19

Overview

Join us for the CME-certified ***7th Annual Basic and Clinical Immunology for the Busy Clinician: What Is New and Hot in Immunology***

Plan to attend this one-of-a-kind symposium that provides a unique array of educational offerings in the field of clinical immunology. This symposium is designed for busy clinicians who desire to increase their declarative and procedural knowledge in the field of IMIDs, as it applies to patient care.

Each day begins with yoga instruction on mindfulness/meditation. The first day of the symposium will start off with a "30,000 foot view" of immune responsiveness, followed by a series of recent advances in innate and adaptive immunity, as well as the immunologic implications of the microbiome. The afternoon session "What is Hot?," will take a deep dive into understanding the basic biochemistry and mechanisms of action of our current and emerging biologic armamentarium. These data are essential to understanding their clinical application and predicting and preventing toxicity. The first day will also include a flipped classroom session, which will allow attendees to meet and discuss their toughest cases across the range of IMIDs and primary immunodeficiency disease with the faculty.

The next day will include "What's New in Biologic Therapy?" and a session on the science of immunologic wellness and how to incorporate it into practice.

Target Audience

The symposium is directed to rheumatologists, dermatologists, infectious disease, allergists, clinical immunologists, and specialists in integrative medicine, preventive medicine, wellness, primary care and other health care professionals caring for patients with immunologic diseases.

Objectives

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

- Define the basic flow of activity in the integrated immune response and identify key cells, cytokines, and receptor-ligand pairs that drive the immune response.
- Summarize the findings of basic clinical research and interpret its impact on patient care.
- Provide a translational analysis of the clinical implications from key studies on various immunologic diseases.
- Detail the risks of both predictable and unpredictable adverse events associated with biologic therapies.
- Explain the concept of immunologic wellness and appraise the evidence on how achieving it can be beneficial for overall health in the setting of immunologic diseases.

Agenda

Friday, February 15, 2019

6:45 am *Yoga with Judi Bar**

7:00 am **Registration, Breakfast and Exhibits**

7:45 am **30,000 Foot View of the Integrated Immune Responses: A Remedial Review**
Leonard Calabrese, DO

9:00 am **Refreshment Break and Exhibits**

What is New?

Leading figures in basic and clinical immunology interpret high impact studies in basic research from the past year for enhanced understanding and patient care application

9:30 am **Translational Advances in SLE and Vasculitis**
Gregg Silverman, MD

10:00 am **Translational Advances in Inflammatory Arthritis**
William Rigby, MD

10:30 am **Translational Advances in Miscellaneous IMIDs**
R. John Looney, MD

11:00 am **Panel Discussion and Questions**
R. John Looney, MD; William Rigby, MD; and Gregg Silverman, MD

11:15 am **Flipped Classroom**
Attendees bring their toughest cases and questions to discuss and quiz the faculty

A. **General Clinical Immunology – Immune Health Through Diet, Exercise and Mindfulness**
Leonard Calabrese, DO

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

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

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

E. **Infectious Complications of IMIDs**
Cassandra Calabrese, DO

12:15 pm **Lunch Break**

What is Hot?

Focusing on what is cutting edge in the areas of basic, clinical and/or translational immunology.

1:30 pm **The Microbiome in Health and Disease**
Gregg Silverman, MD

2:00 pm **Autoimmune Manifestations of Cancer Immunotherapy**
Leonard Calabrese, DO

2:30 pm **Panel Discussion and Questions**
Leonard Calabrese, DO and Gregg Silverman, MD

2:45 pm **Refreshment Break and Exhibits**

3:15 pm **Cases with the Masters**
Tough cases representing challenges in the diagnosis or management of immune mediated inflammatory diseases – with audience engagement
Moderator: *Leonard Calabrese, DO*
Discussants: Cassandra Calabrese, DO; R. John Looney, MD; William Rigby, MD; and Gregg Silverman, MD

4:15 pm **Adjourn**

Saturday, February 16, 2019

7:00 am *Yoga with Judi Bar**

7:15 am **Registration, Breakfast and Exhibits**

What Is New in Biologic Therapy?

8:00 am **What's New in JAKs**
Vibeke Strand, MD

8:20 am **What's New in the IL6**
Vibeke Strand, MD

8:40 am **What's New in PsA and SpA**
M. Elaine Husni, MD, MPH

9:00 am **What's New in Psoriasis**
Anthony Fernandez, MD, PhD

9:20 am **New and Emerging Therapies**
R. John Looney, MD

9:40 am **Panel Discussion and Questions**
Anthony Fernandez, MD, PhD; M. Elaine Husni, MD, MPH; R. John Looney, MD; and Vibeke Strand, MD

10:00 am **Refreshment Break and Exhibits**

The Immune System in Health and Wellness

10:30 am **Why Worry About Wellness When We Have Biologic Therapies?**
Leonard Calabrese, DO

10:50 am **The Aging Immune System: Can We Slow It Down?**
TBD

11:40 am **Inflammation is the New Cholesterol - Appraising the Data and Reducing Risks of Cardiovascular Disease**
M. Elaine Husni, MD, MPH

12:10 pm **Panel Discussion and Questions**
Leonard Calabrese, DO; M. Elaine Husni, MD, MPH; and TBD

12:40 pm **Adjourn**

* non CME

General Information

Accreditation

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

The Cleveland Clinic Foundation Center for Continuing Education designates this live activity for a maximum of 10.5 *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 participation will be provided to other health care professionals for requesting credits in accordance with state nursing boards, specialty societies, or other professional associations

Location

Saguaro Scottsdale
4000 N. Drinkwater Boulevard
Scottsdale, AZ 85251
Phone: (480) 308-1100
https://thesaguaro.com/scottsdale/

Hotel Accommodations

A limited block of rooms has been reserved at the Saguaro Scottsdale until **January 23, 2019**. Please make your reservations at www.ccfcme.org/clinical19hotel or contact the hotel at 480-308-1100 and identify yourself as an attendee for the Cleveland Clinic – Basic Immunology Symposium (group code: 1902CLEV) for a special group rate of $199, plus tax.

Information

For further information about this activity, Faculty Disclosure, and Americans with Disabilities Act, visit the Cleveland Clinic Center for Continuing Education website at

ccfcme.org/clinical19

Faculty

Activity Director

Leonard Calabrese, DO
Professor of Medicine
Cleveland Clinic Lerner College of Medicine of Case Western Reserve University
R.J. Fasenmyer Chair of Clinical Immunology
Department of Rheumatic and Immunologic Diseases
Orthopaedic and Rheumatologic Institute
Cleveland Clinic
Cleveland, OH

Faculty

Cassandra Calabrese, DO
Department of Rheumatic and Immunologic Diseases
Orthopaedic and Rheumatologic Institute
Cleveland Clinic
Cleveland, OH

Anthony Fernandez, MD, PhD
Director of Medical Dermatology
W.D. Steck Chair of Clinical Dermatology
Departments of Dermatology and Pathology
Dermatology and Plastic Surgery Institute
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 Silverman, MD
Associate Director, Division of Rheumatology
Professor of Medicine and Pathology
NYU School of Medicine
New York, NY

Vibeke Strand, MD, MACR
Adjunct Clinical Professor
Division of Immunology/Rheumatology
Stanford University
Palo Alto, CA

Register online at ccfcme.org/clinical19

Fee includes: continental breakfasts, refreshments breaks, and faculty PowerPoint presentations in PDF format, available online.

	Early Bird January 9, 2019	After January 9, 2019
Physician	$225	$275
Resident*/Fellow*	$0	$0
Nurses, NPs, and PAs	$150	$200
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.		

Registration and Cancellation

Preregistrations are accepted until 2:00 pm ET February 14, 2019. Register on site after this date. In case of cancellation, a full refund will be made if canceled by January 15, 2019. After January 15, a $100 cancellation fee will be deducted from your refund. Email notification of your cancellation by February 9, 2019 is required to process your refund. No refunds will be issued after February 9, 2019.

For questions about registration or cancellation, email us at cmeregistration@ccf.org or call 216.448.8710.

Cleveland Clinic Center for Continuing Education reserves the right to cancel or postpone an activity at 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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Daily yoga and mindfulness meditation – demonstrating how exercise and mental health affects integrated immunity and the importance of incorporating into clinical practice

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The Cleveland Clinic Foundation
9500 Euclid Ave, TR204
Cleveland, OH 44195

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