

6th Annual Basic and Clinical Immunology for the Busy Clinician

Featuring Three Modules

- Immunology Bootcamp: Fundamentals of Basic and Clinical Immunology
- Immune Therapeutics: Advances in Biologic Therapies for IMIDs
- Incorporating Immunologic Health into Clinical Practice

March 9-10, 2018
Eden Roc, Miami Beach, FL



Why attend?

- Timely review 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 module providing the scientific basis of behavioral interventions designed to enhance immunologic health and how to integrate such education 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 Association of Women in Rheumatology, California Rheumatology Alliance, Cleveland Society of Rheumatology, Florida Rheumatology Society, and Georgia Society of Rheumatology.



Cleveland Society of
Rheumatology



Register Today! ccfcme.org/AttendClinical18

Overview

Join us for the CME-certified **6th Annual Basic and Clinical Immunology for the Busy Clinician: An Immunology Boot Camp**.

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

This symposium will have three distinct modules:

Fundamentals of Basic and Clinical Immunology – Over the past few years of holding this course, some of our learners have requested a remedial jumpstart. This year we will provide a 30,000 foot overview of immune responsiveness, followed by a series of recent advances in basic and clinical immunology on innate and adaptive immunity, as well as the immunologic implications of the microbiome.

Immune Therapeutics: Advances in Biologic Therapies for IMIDs –

This module will take a deep dive into understanding the basic biology 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.

Integration of Immunologic Health into Clinical Practice –

This first of its kind module will focus on how to incorporate immunologic wellness into your medical practice. The content is designed especially for patients with IMIDs, but will be applicable to any patient concerned about their immunologic health. This session will explore how behavior (i.e. diet, exercise, stress, sleep, etc.) impacts our integrated immune system and how we as clinicians can work with our patients to achieve immunologic health as part of our daily care.



In addition, we will start each day with yoga instruction and a workshop on mindfulness/meditation for both ourselves as caregivers, as well as our patients. Never has a conference been so specifically tailored to bridge the bench to the bedside and beyond!

Target Audience

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

Objectives

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

- Describe the basic flow of activity in the integrated immune response and identify key cells, cytokines, and receptor ligand pairs that drive the immune response
- Critically appraise highlights from recent peer-reviewed scientific literature on cutting-edge topics in basic and clinical immunology
- Summarize the mechanisms of action of biologic therapeutics and relate it to their effectiveness in indicated disease targets
- 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
- Incorporate recommendations in clinical practice regarding diet, exercise, and mind/body techniques to achieve immunologic health

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

Mladen Golubic, MD, PhD

Center for Lifestyle Medicine
Wellness 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

Elizabeth Kirchner, MSN, CNP

Director of Patient Care
R.J. Fasenmyer Center for Clinical Immunology
Department of Rheumatic and Immunologic Diseases
Orthopaedic and Rheumatologic Institute
Cleveland Clinic
Cleveland, OH

Mikhail Kogan, MD

Medical Director
GW Center for Integrative Medicine
Assistant Professor of Medicine, Division of Geriatrics and Palliative Medicine
Associate Director, Geriatric and Integrative Medicine Fellowships
George Washington University
Washington, DC

R. John Looney, MD

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

George Munoz, MD

Chief, Integrative Rheumatology
American Arthritis & Rheumatology Associates
The Oasis Institute
Aventura, FL

William Rigby, MD

Vice-Chair, Department of Medicine
Professor of Medicine & 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

Vibeke Strand, MD

Adjunct Clinical Professor
Division of Immunology/Rheumatology
Stanford University
Biopharmaceutical Consultant
Palo Alto, CA

Register online at ccfcme.org/AttendClinical18

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

	Early Bird January 9, 2018	After January 9, 2018
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 March 8, 2018. Register on site after this date. In case of cancellation, a full refund will be made if canceled by February 9, 2018. After February 9, 2018, a \$100 cancellation fee will be deducted from your refund. Email notification of your cancellation by March 2, 2018 is required to process your refund. No refunds will be issued after March 2, 2018.

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.

Agenda

Friday, March 9, 2018

- 6:45 am Yoga with Judi Bar
- 7:00 am Registration, Breakfast and Exhibits
- 7:45 am The Immune Responses at 30,000 Feet:
A Review for the Non-Immunologist
Leonard Calabrese, DO
- 9:00 am Break and Exhibits

Advances in 2017-2018

- 9:30 am IMIDs Advances in Disease Pathogenesis
William Rigby, MD
- 10:00 am Microbiome and Immunity: What We Need to Know
Gregg J. Silverman, MD
- 10:30 am Immune Deficiency and Infectious Diseases: What's New?
R. John Looney, MD
- 11:00 am Panel Discussion and Questions
*Leonard Calabrese, DO; R. John Looney, MD; William Rigby, MD;
and Gregg J. Silverman, MD*
- 11:30 am Lunch Break

Immune Therapeutics: Advances in Biologic Therapies for IMIDs

- 12:45 pm Kinase Inhibition for IMIDs
William Rigby, MD
- 1:05 pm T-Cell and B-Cell Targeting in IMIDs
Gregg J. Silverman, MD
- 1:25 pm Advances in IL6 Targeting
Vibeke Strand, MD
- 1:45 pm Panel Discussion and Questions
William Rigby, MD; Gregg J. Silverman, MD; and Vibeke Strand, MD
- 2:10 pm Break and Exhibits
- 2:30 pm Revisiting Anti-TNF 20 Years Later
R. John Looney, MD
- 2:50 pm Advances in Anti-Cytokine Therapy:
New Pathways (IL 12/23, IL17, IL23)
M. Elaine Husni, MD, MPH
- 3:10 pm Preventing Infections in Patients Treated with Biologics
Leonard Calabrese, DO
- 3:30 pm Panel Discussion and Questions
*Leonard Calabrese, DO; M. Elaine Husni, MD, MPH;
and R. John Looney, MD*
- 3:55 pm 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 J. Silverman, MD
 - C. Primary and Secondary Immunodeficiencies and Infectious Diseases
R. John Looney, MD
 - D. Autoimmune Disease, RA and Allied Conditions
William Rigby, MD
- 4:55 pm Adjourn

Saturday, March 10, 2018

7:15 am Yoga with Judi Bar

7:30 am Continental Breakfast and Exhibits

Immunologic Health

8:15 am The Concept of Immunologic Wellness

Leonard Calabrese, DO

8:30 am Treating and Preventing Immunologic Disease with Diet:
What are the Data?

George Munoz, MD

9:00 am Plant-based Diets for Immunologic Disease: Sorting Out the Science

Mladen Golubic, MD, PhD

9:30 am Strengthening Anti-Inflammatory Reflex by Mind-Body Practices

Mladen Golubic, MD, PhD

10:00 am Panel Discussion and Questions

*Leonard Calabrese, DO; Mladen Golubic, MD, PhD; and
George Munoz, MD*

10:20 am Break and Exhibits

10:50 am Aging and Immunity: The Solution for Baby Boomers Growing Need to
Maintain Optimal Health

Mikhail Kogan, MD

11:35 am Guided Meditation for You and Your Patients: Stress Free Now,
An Online Approach to Immunologic Wellness

Leonard Calabrese, DO

12:05 pm Putting it All Together in Practice: How to Incorporate Wellness in
Traditional Settings to Achieve Immunologic Health and Wellness

*Leonard Calabrese, DO; Mladen Golubic, MD, PhD; George Munoz, MD;
Elizabeth Kirchner, CNP; and Mikhail Kogan, MD*

12:35 pm Adjourn

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

General Information

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 10.75 *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 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

Eden Roc

4525 Collins Ave

Miami Beach, FL

Phone: 305.531.0000 or 855.433.3676

www.nobuedenroc.com

Hotel Accommodations

A limited block of rooms has been reserved at the **Eden Roc Miami Beach Hotel** until February 6, 2018.

Please make your reservations at www.ccfcmc.org/clinical18hotel or contact the hotel at 305.531.0000 and identify yourself as an attendee for the Cleveland Clinic – Basic Immunology Symposium for a special group rate of \$349, plus tax and discounted daily resort fee.

Information

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

Web: ccfcmc.org/AttendClinical18

Local: 216.444.9990

Toll Free: 800.238.6750



R.J. Fasenmyer Center for Clinical Immunology



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

6th Annual Basic and Clinical Immunology for the Busy Clinician

Featuring **Three Modules**

- Immunology Bootcamp: Fundamentals of Basic and Clinical Immunology
- Immune Therapeutics: Advances in Biologic Therapies for IMiDs
- Incorporating Immunologic Health into Clinical Practice

March 9-10, 2018 | Eden Roc, Miami Beach, FL



Course Includes Daily Yoga and Mindfulness Meditation!

Register today! ccfcmc.org/AttendClinical18

NON-PROFIT ORG.
U.S. Postage
PAID
Cleveland, OH
Permit No. 1918