8th Annual Basic and Clinical Immunology for the Busy Clinician: What Is New and Hot in Immunology

February 28-29, 2020
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 its integration into patient care
• Flipped classroom discussions of challenging cases and clinical advances in immunology – an opportunity to ask the experts

Register Today! ccfcme.org/clinical20
Overview

Join us for the CME-certified 8th 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.

The first day of the symposium starts 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?,” takes a deep dive into understanding the basic biochemistry and mechanisms of action of current and emerging biologic armamentarium. These data are essential to understanding their clinical application and predicting and preventing toxicity. The first day also includes a flipped classroom session, which allows attendees to meet and discuss their toughest cases across the range of IMIDs and primary immunodeficiency disease with the faculty.

The next day includes a session on immunologic basis for wellness and how to incorporate it into practice.

Target Audience

The symposium is directed to rheumatologists, dermatologists, infectious disease physicians, allergists, clinical immunologists, as well as 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:

• Describe the scientific basis for the integrated immune response and identify how it affects the clinical practice of both immunologists and nonimmunologists.

• Summarize the most recent research on basic and clinical immunology, and define its impact on patient care.

• Review the available clinical data on immunotherapies, and apply them to individualized care plans for patients with specific immunologic conditions.

• Analyze research on targeting cytokines, B cells, and T cells as therapy for autoimmune diseases, and explain their potential clinical use.

• Identify and manage the key immune-related adverse events that occur in patients receiving cancer immunotherapy.

• Define the immunologic basis for wellness initiatives to manage immune disease.

• Critically appraise the evidence showing how a patient’s diet, lifestyle, and environment can directly affect immune and inflammatory responses.

• Summarize the strategies for reducing risk of cardiovascular disease in patients with autoimmune disease.
Agenda
Friday, February 28, 2020

6:45 am  Yoga with Judi Bar*
7:00 am  Registration, Breakfast and Exhibits
7:45 am  Immunology for the Non–Immunologist: Understanding Immunology When You’re “Naked and Afraid”
         Leonard Calabrese, DO
9:00 am  Refreshment Break and Exhibits

What is New?

9:30 am  A Primer on the Microbiome and Immune Health and Disease
         Gregg Silverman, MD
10:00 am Making Sense of T Cell Subsets in Health and Disease
         R. John Looney, MD
10:30 am  “Advances in the Laboratory Aspects of Basic and Clinical Immunology Frighten Me” - What You Need to Know
         William Rigby, MD
11:00 am Panel Discussion and Questions
         R. John Looney, MD; William Rigby, MD; and Gregg Silverman, MD
11:30 am  Flipped Classroom
         A. General Clinical Immunology Immune Health through Diet, Exercise, and Mindfulness
         Leonard Calabrese, DO
         B. B Cells and Autoimmunity, Systemic Lupus Erythematosus, and Related Conditions
         Gregg Silverman, MD
         C. Primary and Secondary Immunodeficiencies and Infectious Diseases
         R. John Looney, MD
         D. Autoimmune Disease, Rheumatoid Arthritis, and Allied Conditions
         William Rigby, MD
         E. Challenges in Allergy, Clinical Immunology, and IVIg Therapy
         James Fernandez, MD, PhD
12:30 pm  Lunch Break

What is Hot?

1:45 pm  Immune Related Adverse Events from Cancer Immunotherapy
         Cassandra Calabrese, DO
2:15 pm  Cases with the Masters: Vasculitis, Co-morbidities, Rheumatoid Arthritis, Psoriatic Arthritis, and Spondyloarthritides and Beyond
         Moderator: Leonard Calabrese, DO
         Discussants: Cassandra Calabrese, DO; R. John Looney, MD; William Rigby, MD; and Gregg Silverman, MD
2:45 pm  Refreshment Break and Exhibits
3:00 pm  IL-17 and IL-12/IL-23 – In Health and Disease
         William Rigby, MD
3:25 pm  Understanding B and T Cell Targeting in Autoimmune Diseases
         Gregg Silverman, MD
3:50 pm  Targeting the IL-1 Family in Autoimmune and Autoinflammatory Diseases
         R. John Looney, MD
4:15 pm  Panel Discussion and Questions
         R. John Looney, MD; William Rigby, MD; and Gregg Silverman, MD
4:45 pm  Adjourn
Saturday, February 29, 2020

7:00 am  Yoga with Judi Bar*
7:15 am  Registration, Breakfast and Exhibits

Immunologic Basis for Wellness

8:00 am  Human Behavior and Immunity – Slowing Our Aging?
          Leonard Calabrese, DO
8:30 am  Talking to Patients about Anti-inflammatory Diets
          Roxanne Sukol, MD
9:00 am  Our Diet and the Environment – Benefits of Plant Based Diet
          Mladen Golubic, MD
9:30 am  Panel Discussion and Questions
10:00 am Refreshment Break and Exhibits
10:30 am Diet and Lifestyle in Psoriasis – Problems and Solutions
          Anthony Fernandez, MD, PhD
11:00 am Sorting Out Cardiovascular Risk in Autoimmune Diseases – Whose Job Is It?
          M. Elaine Husni, MD, MPH
11:30 pm  Panel Discussion and Questions
12:00 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.

ABIM MOC
Successful completion of this CME activity, which includes participation in the evaluation component, enables the participant to earn up to 10.5 MOC points in the American Board of Internal Medicine’s (ABIM) Maintenance of Certification (MOC) program. Participants will earn MOC points equivalent to the amount of CME credits claimed for the activity. It is the CME activity provider's responsibility to submit participant completion information to ACCME for the purpose of granting ABIM MOC 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 February 4, 2020. Please make your reservations at www.ccfcme.org/clinical20hotel or contact the hotel at 480-308-1100 and identify yourself as an attendee for the Cleveland Clinic – Basic Immunology Symposium (group code: 2002CLIN) for a special group rate of $259, 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/clinical20
Register online at ccfcme.org/clinical20

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

<table>
<thead>
<tr>
<th></th>
<th>Early Bird January 22, 2020</th>
<th>After January 22, 2020</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physician</td>
<td>$225</td>
<td>$275</td>
</tr>
<tr>
<td>Resident*/Fellow*</td>
<td>$0</td>
<td>$0</td>
</tr>
<tr>
<td>Nurses, NPs, and PAs</td>
<td>$150</td>
<td>$200</td>
</tr>
<tr>
<td>Corporate</td>
<td>$300</td>
<td>$350</td>
</tr>
</tbody>
</table>

*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 on February 27, 2020. Register on site after this date. In case of cancellation, a full refund will be made if canceled by January 31, 2020. After January 31, a $100 cancellation fee will be deducted from your refund. Email notification of your cancellation by February 20, 2020 is required to process your refund. No refunds will be issued after February 20, 2020.

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.
Daily yoga and mindfulness meditation – demonstrating how exercise and mental health affects integrated immunity and the importance of incorporating into clinical practice

Register today! ccfcme.org/clinical20