9th Annual Basic and Clinical Immunology for the Busy Clinician:

*Immunopathogenesis and Treatment of Immune Mediated Inflammatory Diseases and the Immunologic Basis of Wellness*

February 5 & 6, 2021
Virtual Symposium

**Why attend?**
1. Timely overview of recent advances in basic and clinical immunology
2. Case-based presentations focused on a targeted therapy perspective
3. Unique session reviewing the scientific and immunologic basis of wellness

This program has been endorsed by:

Register Today! ccfcme.org/clinical2021
Overview

Join us for the 9th Annual Basic and Clinical Immunology for the Busy Clinician: Immunopathogenesis and Treatment of Immune Mediated Inflammatory Diseases and the Immunologic Basis of Wellness virtual symposium.

This annual course is designed for busy clinicians looking for an opportunity to enhance their declarative and procedural knowledge in the field of immunology, as it applies to patients with immune mediated inflammatory diseases. Sessions include an initial remedial seminar on the integrated immune response for those feeling they need a refresher on the basic concepts of human immunology. A second session highlights immunologic advances (pathogenesis, diagnosis, biomarkers) in key autoimmune diseases. A third session applies this knowledge in a series of case based presentations by leaders in the field on how they approach such patients from a targeted therapy perspective. Reference to treatment guidelines, as well as recent data on efficacy and safety, will be emphasized. The final session centers on how lifestyle and behavior affect immune response and how patient education on lifestyle management can affect clinical outcomes, including quality of life and inflammation.

Why Attend the Virtual Symposium?

- Learn from national and international experts in the practice of immunology
- Focus on the management of select diseases with our advanced, case-based presentations
- Earn CME and ABIM Maintenance of Certification Points
- Explore our virtual exhibit hall

After completing this live stream activity, participants will be able to:

- Describe the how the COVID-19 pandemic has altered the scientific knowledge of the integrated immune response and the clinical practice of immunology.
- Summarize the key recent research findings on basic and clinical immunology and define their 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 the immunologic effects of sleep, exercise, and strength and interpret the potential clinical implications.

Who Should Attend?

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.
Day 1 - Friday, February 5, 2021

12:00 pm  Welcome & Introductions
Leonard H. Calabrese, DO, Cleveland Clinic, Activity Director

Session 1 - Remedial Immunology Boot Camp
This session provides a 30,000 foot view of the integrated immune system through the lens of COVID-19. It is most appropriate for those interested in a remedial introduction to the current concepts of the human immune response.

12:05 pm  Through the Lens of COVID19 - How we Recognize and Defend Ourselves from Viral Pathogens
Leonard H. Calabrese, DO

1:05 pm  Question & Answer Session

1:20 pm  Break

Session 2 – Advances in Basic and Clinical Immunology in Select Immune Mediated Diseases
This session focuses on the most recent advances in the underlying immunology of select diseases including underlying immunobiology of select diseases, as it applies to diagnosis, management and therapeutic targeting.

1:30 pm  Psoriasis, Psoriatic Arthritis and Spondyloarthritis
Dennis McGonagle, FRCPI, PhD

2:00 pm  Autoinflammatory Syndromes/Cytokine Storm
R. John Looney, MD

2:30 pm  Panel Discussion
Dennis McGonagle, FRCPI, PhD, and John Looney, MD

2:50 pm  Yoga Break (non-CME)
A tradition at our Boot Camp, for the past several years, is to break up the meeting with wellness activities. Judi Bar is the Lead Yoga Therapist and Yoga Program Manager, Center for Integrative Medicine, Cleveland Clinic. Judi is one of the first to hold such a position in the country with a major medical institution. She is certified through International Association of Yoga Therapist. Judi will wake us up from our computers and infuse mind-body activity to recharge our body and mind

3:00 pm  Rheumatoid Arthritis
William F.C. Rigby, MD

3:30 pm  SLE
Gregg J. Silverman, MD

4:00 pm  Panel Discussion
William F.C. Rigby, MD, and Gregg J. Silverman, MD

4:20 pm  Adjourn

Day 2 - Saturday, February 6, 2021

Session 3 – Case Based Approaches to Select Immune Mediated Inflammatory Diseases
This session focuses on management of immune mediated inflammatory diseases (IMIDS) with biologic therapeutics including biologics and targeted synthetic biologics. The presentations are clinically based and emphasize complex medical decision making incorporating aspects of drug selection, sequencing, outcomes, toxicity and recent guidelines for each disease.

7:55 am  Welcome & Introductions

8:00 am  Rheumatoid Arthritis
William F.C. Rigby, MD

8:30 am  Systemic Lupus Erythematosus
R. John Looney, MD

9:00 am  Panel Discussion
William F.C. Rigby, MD, and R. John Looney, MD

9:30 am  PsA
M. Elaine Husni, MD, MPH

10:00 am  Spondyloarthritis
Philip J. Mease, MD

10:30 am  Panel Discussion
M. Elaine Husni, MD, MPH, and Philip J. Mease, MD

11:00 am  Yoga Break with Judi Bar (non-CME)

11:15 am  Vasculitis
Adam Brown, MD
Session 4 – Scientific/Immune Basis of Wellness

An integral part of the Boot Camp is to critically appraise the data on the immunologic basis of wellness. This year, we are featuring world leaders in two domains of great interest, including the immune-exercise and the immune sleep axis. We also will unveil the Immune Strength program.

1:35 pm Immunology of Sleep
Michael R. Irwin, MD

2:05 pm Immunology of Exercise
David C. Nieman, DrPH, FACSM

2:35 pm Immune Strength
Leonard H. Calabrese, DO, and M. Elaine Husni, MD, MPH

3:05 pm Panel Discussion
Michael R. Irwin, MD; David C. Nieman, DrPH, FACSM; Leonard H. Calabrese, DO, and M. Elaine Husni, MD, MPH

3:35 pm Closing Remarks

Faculty

Activity Director
Leonard H. 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
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Faculty

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Vice Chair of Rheumatology
Department of Rheumatic and Immunologic Diseases
Orthopaedic and Rheumatologic Institute
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Michael R. Irwin, MD
Cousins Distinguished Professor of Psychiatry and Biobehavioral Sciences
David Geffen School of Medicine at UCLA
Los Angeles, CA

R. John Looney, MD
Professor of Medicine
Stephen I. Rosenfeld Professor of Allergy and Clinical Immunology
University of Rochester
Rochester, NY

Dennis McGregor, FRCPI, PhD
Professor, University of Leeds School of Medicine
Leeds, England

Philip J. Mease, MD
Director of Rheumatology Research
Swedish Health Services
Seattle, WA

David C. Nieman, DrPH, FACSM
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Appalachian State University
Boone, North Carolina

William F.C. 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

Creating better habits for a more resilient immune system
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 internet live activity for a maximum of 10.50 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.

American Board of Internal Medicine MOC
Successful completion of this CME activity, which includes participation in the evaluation component, enables the participant to earn up to 10.50 Medical Knowledge 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.

Study References
Faculty presentations will be available online in PDF format on a password protected website. You will have access prior to the activity to allow you to download or print the slides.

Live Stream Access
Participants will receive instructions to access the virtual symposium at least five days prior to the conference.

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.

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 (ACCME) 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.

Information
For additional information about this activity, contact the Cleveland Clinic Center for Continuing Education.

Website: ccfcme.org/Clinical2021
Phone: 216.444.9990

Register online at ccfcme.org/clinical2021

Fee includes: access to virtual symposium and faculty PowerPoint presentations in PDF

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*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
In case of cancellation, a full refund will be made if canceled by January 15, 2021. After January 15, a $25 cancellation fee will be deducted from your refund. Email notification of your cancellation by January 22, 2021 is required to process your refund. No refunds will be issued after January 22, 2021.

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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