



Cleveland Clinic

R.J. Fasenmyer Center for Clinical Immunology

2nd Annual Basic and Clinical Immunology for the Busy Clinician

and

Advances in Biologic Therapies Symposium

TWO LOCATIONS OFFERED:

February 21 – 22, 2014
Green Valley Ranch
Las Vegas, NV

March 7 – 8, 2014
Bonaventure Hotel
Fort Lauderdale, FL



Do you feel left behind by the rapid advances in laboratory immunology being applied to patient care?

Are you intimidated by the growing complexity of the immunologic lexicon?

Are these knowledge gaps limiting your confidence to read and interpret the current literature in translational immunology?

IF SO, DON'T MISS THIS UNIQUE OPPORTUNITY TO GET UP TO SPEED IN BASIC AND CLINICAL IMMUNOLOGY.

Register Today!

ccfcme.org/AttendClinical14

DON'T MISS THIS UNIQUE OPPORTUNITY TO GET UP TO SPEED IN BASIC AND CLINICAL IMMUNOLOGY.

Overview

Basic and clinical immunology are rapidly evolving fields, and it is challenging for the practicing clinician to keep abreast of the advances. This symposium is geared specifically for the busy clinician who has limited time or opportunity to stay informed of immunologic advances.

Join us for the certified CME **Basic and Clinical Immunology for the Busy Clinician and Advances in Biologic Therapies Symposium**.

Target Audience

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

Objectives

As a result of attending this symposium, the participant will be able to do the following:

- Describe the overall organization and key parts of the integrated immune response including innate and adaptive systems, their component cells, and mediators;
- 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;
- Explain the roles of cellular and humoral elements leading to T cell and B cell activation and deactivation;
- Critically appraise the significance of intracellular cascades leading to immunologic activation, proliferation and effector functions and the clinical significance of targeting such pathways;
- 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;
- Summarize leading theories of genetic, epigenetic, and environmental contributions to the pathogenesis of autoimmune disease;
- Describe recent advances from key meetings and the literature on immunopathogenesis, therapy, and safety in RA, SLE, spondylitis, and vasculitis;
- Present data from key meetings and medical literature on immunopathogenesis and therapy and safety in RA, SLE, spondylitis, and vasculitis;
- Integrate experience of experts into the diagnosis and management of complex rheumatic diseases.

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
Orthopaedic & Rheumatologic Institute
Cleveland Clinic
Cleveland, OH

John J. Cush, MD

Director of Clinical Rheumatology
Baylor Research Institute
Dallas, TX

Arthur Kavanaugh, MD

Professor of Medicine
Director, Center for Innovative Therapy
Division of Rheumatology, Allergy, and Immunology
University of California, San Diego
San Diego, CA

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 & 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

Clinical Professor, Adjunct
Division of Immunology/Rheumatology
Stanford University
Portola Valley, CA

Agenda

Day 1

Basic and Clinical Immunology for the Busy Clinician

- | | |
|----------|---|
| 8:00 am | Registration/Continental Breakfast/Exhibits |
| 9:00 am | Overview of Innate Immunity, the Microbiome, and the Integrated Immune Response
<i>Leonard Calabrese, DO</i> |
| 9:45 am | Antigen Presentation, T Cell Activation and Deactivation
<i>Leonard Calabrese, DO</i> |
| 10:30 am | Refreshments/Exhibits |
| 11:00 am | T Cell Effector Function (T_H1, T_H2, T_H17) and Cytokine Biology
<i>John Looney, MD</i> |
| 11:45 am | Tolerance and Autoimmunity – Lessons from Animal Models and Primary Immunodeficiency Syndromes
<i>John Looney, MD</i> |
| 12:30 pm | Lunch/Exhibits |
| 1:30 pm | B Cell Biology and T Follicular Helper Cells – The Fundamentals
<i>Gregg Silverman, MD</i> |
| 2:15 pm | Immunoglobulin and Complement in Health and Disease
<i>William Rigby, MD</i> |
| 3:00 pm | The New Genetics and Immunity to User Friendly Guide to Advances in Immunologic Techniques Relevant to Rheumatology?
<i>Gregg Silverman, MD</i> |
| 3:45 pm | Advances in Translational Immunology and Reviewing the Literature in Basic and Clinical Immunology – Advice from the Experts |
| 4:45 pm | Adjourn/Exhibits |

Day 2

Advances in Biologic Therapies

- | | |
|----------|---|
| 8:00 am | Registration/Continental Breakfast/Exhibits |
| 9:00 am | Year in Review – Efficacy and Safety
<i>Arthur Kavanaugh, MD</i>
<i>John J. Cush, MD</i> |
| 9:45 am | New Guidelines (EULAR and ACR) – What Do They Mean
<i>William Rigby, MD</i> |
| 10:30 am | Refreshments/Exhibits |
| 11:00 am | Advances in SLE and Vasculitis
<i>Gregg Silverman, MD</i>
<i>Leonard Calabrese, DO</i> |
| 11:45 am | Small Molecules in the Treatment of Autoimmune and Autoinflammatory Diseases
<i>Vibeke Strand, MD</i> |
| 12:15 pm | Adjourn/Exhibits |

Each presentation includes lectures and in-depth discussions

General Information

Location

February 21 – 22, 2014

Green Valley Ranch

2300 Paseo Verde Pkwy

Las Vegas, NV 89052

www.greenvalleyranch.sclv.com

March 7 – 8, 2014

Bonaventure Hotel

250 Racquet Club Rd

Fort Lauderdale, FL, USA 33326

www.bonaventureresortandspa.com

Hotel Accommodations

Green Valley Ranch, Las Vegas, NV

A block of rooms has been reserved until **January 28, 2014**. To make your reservations, contact the Hotel Reservations Department at 866.782.9487. Please identify yourself as being with the **Cleveland Clinic** for a special rate of \$150 single/double plus tax and service fees.

Bonaventure Hotel, Fort Lauderdale, FL

To make your reservations, contact the Hotel Reservations Department at 800.327.8090.

Information

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

Local: 216.448.0770

Toll Free: 800.238.6750

Web Address:

ccfcme.org/AttendClinical14

Registration and Cancellation

Preregistrations are accepted until 2:00 pm ET the day before the symposium. Please register onsite after this date. In case of cancellation, a full refund will be made if canceled 10 days prior to the course date; after that date, a \$50 cancellation fee will be deducted from your refund. Written notification of your cancellation is required to process your refund. **NO REFUNDS WILL BE ISSUED AFTER APRIL 1, 2014.**

Syllabus

Included with your full registration is a complimentary online syllabus with faculty presentations. Attendees are encouraged to bring their laptops to the symposium to view the presentations.

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 AMA PRA Category 1 Credits™**.

Physicians should claim only the credit commensurate with the extent of their participation in the activity.

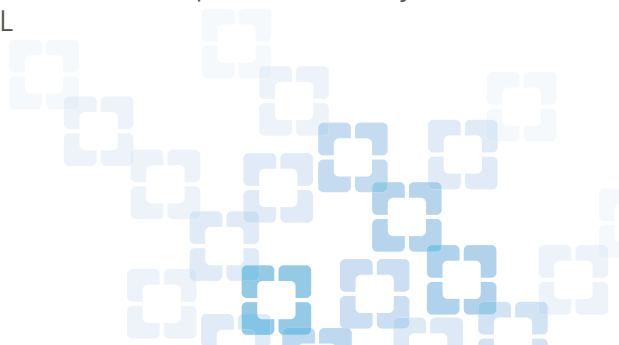
Participants claiming CME credit from this activity may submit the credit hours to the American Osteopathic Association for Category 2 credit.

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.

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 Cleveland Clinic Center for Continuing Education at 216.448.0770 or 800.238.6750 at least two weeks prior to the activity.



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Two Ways to Register



ONLINE
ccfcmc.org/AttendClinical14
Cleveland Clinic employee fees and registration are available online only.



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: online syllabus, continental breakfasts, lunch, and refreshment breaks

I will be attending:		
☐ February 21 – 22, 2014 Green Valley Ranch, Las Vegas, NV		
☐ March 7 – 8, 2014 Bonaventure Hotel, Fort Lauderdale, FL		
	Early Bird February 3, 2014	After February 3, 2014
☐ Physician	\$100	\$150
☐ Resident*/Fellow*	\$0	\$0
☐ Allied Health Professionals	\$75	\$125
☐ Other – Corporate	\$500	\$550
*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.		

For registration questions, please email cmeregistration@ccf.org or call 216.448.0777

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.ccfcmc.org/AttendClinical14 or call 216.448.0777 where it will be handled directly by a certified processor.



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 **Cleveland Clinic**
The Cleveland Clinic Foundation
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Cleveland, OH 44195

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