



**Cleveland Clinic**

R.J. Fasenmyer Center for Clinical Immunology

In conjunction with the Cleveland Society of Rheumatology and the  
Phoenix Rheumatology Association

# Advances in B Cell Science: Clinician Update

*A Report from the Annual National  
Rheumatology Meeting*

*A complimentary symposium offered in two locations:*

**February 3, 2010**

**1:00 pm – 5:00 pm**

Cleveland Clinic Lerner Institute  
Cleveland, OH

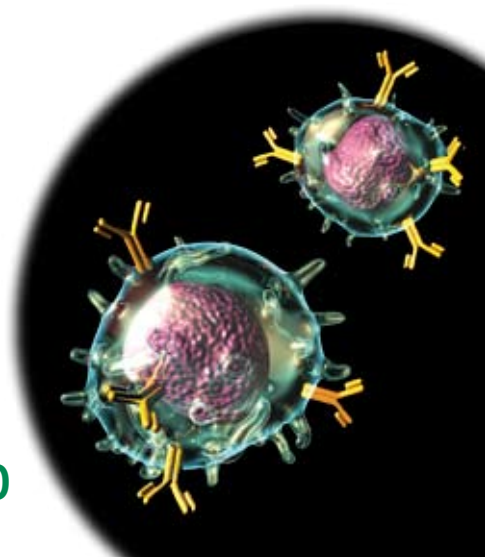
**February 13, 2010**

**8:00 am – 12:00 pm**

Fairmont Scottsdale  
Scottsdale, AZ

**Register:**

**[www.ccfcmc.org/bcell10](http://www.ccfcmc.org/bcell10)**



# ADVANCES IN B CELL SCIENCE: CLINICIAN UPDATE

A Report from the Annual National Rheumatology Meeting

## Overview

In recent years, our understanding of autoimmune rheumatic diseases (ARDs) has led to encouraging advances in treatment. The use of targeted biologic therapy is on the rise as further data emerge regarding their efficacy, utility, and safety, eliminating reliance on therapies that affect a wide range of cellular targets. The increasing adoption of these targeted biologic agents into clinical practice challenges clinicians to remain informed and up to date regarding new data released at national annual conferences. This symposium is designed for busy clinicians who are interested in keeping abreast of cutting-edge data regarding novel therapies for ARDs. Expert faculty will bridge the gap between the current immunobiologic data and the day-to-day workings of clinical practice.

## Target Audience

This educational activity is intended for rheumatologists, immunologists, clinical researchers, and allied health care professionals who care for patients with autoimmune rheumatic diseases.

## Learning Objectives

- Review advances in molecular biology that contribute to the understanding of B-cell biology, the integrated immune response, and the pathogenesis/clinical features of autoimmune rheumatic diseases;
- Summarize recently published clinical data relating to the usage of B-cell-directed therapies for rheumatoid arthritis;
- Examine current approaches and clinical methodology to the usage of B-cell-directed therapeutics in autoimmune rheumatic diseases;
- Describe recent results of clinical trials of B-cell-directed therapies in SLE and ANCA-associated vasculitis;
- Assess the impact of biologic agents on the rates of serious infections, humoral immunity, and vaccine response.



## 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 educational activity for a maximum of 3.75 *AMA PRA Category 1 Credits*<sup>™</sup>. Physicians should only claim 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 Council on Continuing Medical Education for Category 2 credit.

## Activity Director

### **Leonard Calabrese, DO**

Professor of Medicine  
Cleveland Clinic Lerner College of Medicine of Case Western Reserve University  
Vice Chairman  
Department of Rheumatic and Immunologic Diseases  
R.J. Fasenmyer Chair of Clinical Immunology  
Orthopaedics & Rheumatologic Institute  
Cleveland Clinic  
Cleveland, Ohio

## Faculty

### **Marc D. Cohen, MD**

Professor of Medicine  
National Jewish Medical and Research Center  
Denver, Colorado

### **Richard Furie, MD**

Chief, Division of Rheumatology and  
Allergy-Clinical Immunology  
North Shore-Long Island Jewish Health System  
Professor of Medicine  
Hofstra University School of Medicine  
Albert Einstein College of Medicine  
Lake Success, New York

### **Jonathan Kay, MD**

Director of Clinical Research  
Rheumatology Division  
Professor of Medicine  
University of Massachusetts Medical School  
Worcester, Massachusetts

### **Gregg J. Silverman, MD**

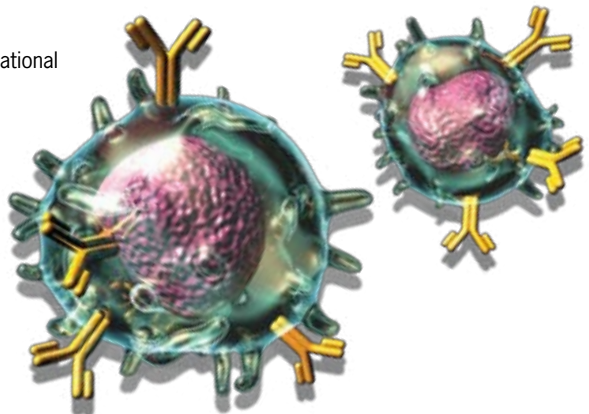
Professor of Medicine  
Director  
Laboratory of B-Cell Immunology  
Division of Rheumatology, Allergy, and Immunology  
University of California San Diego School of Medicine  
La Jolla, California

## 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.

## ACKNOWLEDGEMENT

The Cleveland Clinic Foundation Center for Continuing Education acknowledges an educational grant for support of this activity from **Genentech, Inc. and Biogen Idec.**



**February 3, 2010**  
**Cleveland Clinic Lerner Institute**  
**Cleveland, OH**  
**12:00 pm – 5:00 pm**

**Moderator: Leonard Calabrese, DO**  
**12:00 pm – Registration**  
**1:00 pm – Welcoming Remarks**

**February 13, 2010**  
**Fairmont Scottsdale**  
**Scottsdale, AZ**  
**7:00 am – 12:00 pm**

**Moderator: Leonard Calabrese, DO**  
**7:00 am – Registration**  
**8:00 am – Welcoming Remarks**

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## Agenda

**Pathogenesis of Rheumatoid Arthritis:  
Are There Two Distinct Diseases?**  
*Gregg Silverman, MD*

**B-Cell-Directed Therapies in  
Rheumatoid Arthritis**  
*Marc Cohen, MD*

**Current Status of Second-Line Therapy of  
Biologics Roundtable Discussion**  
*Leonard Calabrese, DO*  
*Marc Cohen, MD*  
*Jonathan Kay, MD*  
*Gregg Silverman, MD*

**Rituximab and Chronic Viral Infection**  
*Leonard Calabrese, DO*

**B Cells, Cytokines and SLE**  
*Jonathan Kay, MD (Cleveland)*  
*Richard Furie, MD (Arizona)*

**Evolution of Biologic Therapy for  
Systemic Vasculitis**  
*Leonard Calabrese, DO*

**Panel Discussion & Questions**

## GENERAL INFORMATION

For further information,  
contact UNITECH Communications® at:

**Local:** 216-448-0770 • **Toll Free:** 800-238-6750

**Web Address:** [www.cfcme.org/bcell10](http://www.cfcme.org/bcell10)

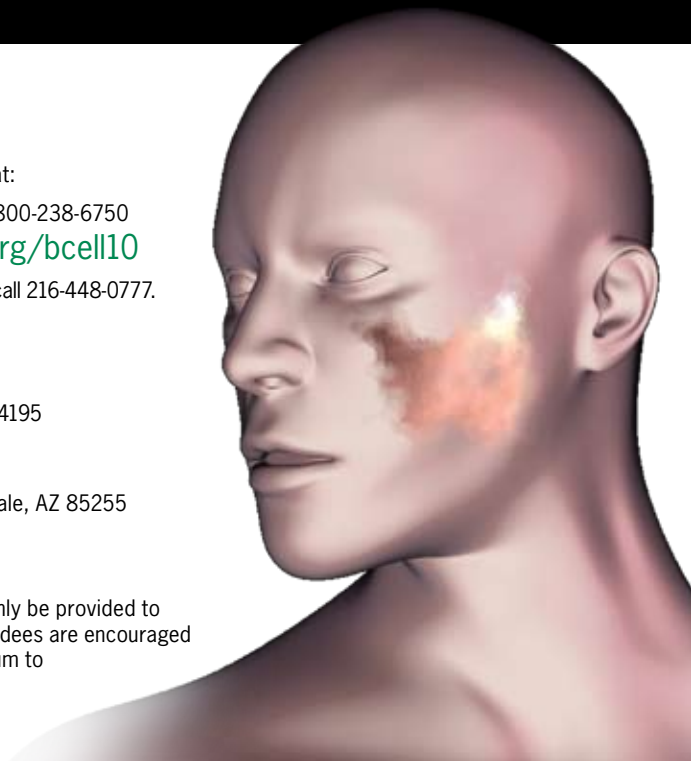
For questions about registering online, call 216-448-0777.

**February 3, 2010**  
Cleveland Clinic Lerner Institute  
5th Floor, NA5-08 Amphitheater  
9500 Euclid Avenue • Cleveland, OH 44195

**February 13, 2010**  
Fairmont Scottsdale  
7575 East Princess Drive • Scottsdale, AZ 85255

## GOING GREEN

**Electronic Syllabus:** Syllabus will only be provided to registrants on a USB flash drive. Attendees are encouraged to bring their laptops to the symposium to view the syllabus.



# Registration Form

## Advances in B Cell Science: Clinician Update

### I will be attending:

**February 3, 2010**

Cleveland Clinic Lerner Institute  
5th Floor, NA5-08 Amphitheater  
9500 Euclid Avenue  
Cleveland, OH 44195

**February 13, 2010**

Fairmont Scottsdale  
7575 East Princess Drive  
Scottsdale, AZ 85255

### Registration Fee: **COMPLIMENTARY**

Registration includes refreshments and  
electronic syllabus.

- Physician  
 Resident/Fellow  
 Nurse  
 Nurse Practitioner  
 Physician Assistant  
 Other

(Specify: \_\_\_\_\_ )

### Online Registration

Go to: [www.ccfcm.org/bcell10](http://www.ccfcm.org/bcell10)

Once registered online, please do not mail or fax in a registration form.

**CCF main campus, family health center, and CCHS community hospital employees should register at the above web address.**

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### Complete the information below if registering by mail or fax.

#### Please Print Clearly

Last Name: \_\_\_\_\_ First: \_\_\_\_\_

Degree/Title: \_\_\_\_\_ Specialty: \_\_\_\_\_

Institution: \_\_\_\_\_ Sub Specialty: \_\_\_\_\_

Preferred Mailing Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_

Zip: \_\_\_\_\_ Phone: \_\_\_\_\_

Email: \_\_\_\_\_ Fax: \_\_\_\_\_

Practice Type:  Office Based  Hospital Staff  Resident/Fellow

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Mailing Address: The Cleveland Clinic Foundation Center for Continuing Education/UNITECH Communications®  
9500 Euclid Avenue, AC313  
Cleveland, OH 44195

Local: 216-448-0770 • Toll Free: 800-238-6750 • Fax: 216-448-0783

For additional information, email: [CMERegistration@ccf.org](mailto:CMERegistration@ccf.org)

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 UNITECH Communications® at 216-448-0770 or 800-238-6750 at least two weeks prior to the activity.