

# Biologic Therapies Summit X and Vasculitis 2023

*Advances in Immune Based Therapies: Balancing risks  
and benefits across the rheumatic diseases*

May 11–13, 2023

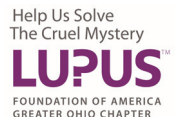
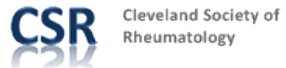
InterContinental Hotel & Conference Center  
Cleveland, OH & Complimentary Live Stream



## Why Attend?

- Hear from internationally renowned experts in the fields of immunology and rheumatology
- Expand and enhance decision-making skills for appropriate use of biologic therapies in highly complex clinical situations
- Join for a full-day devoted to hot topics in Vasculitis
- Participate in our APP workshop, included with course registration

This course is endorsed by:



Media Coverage by Helio Rheumatology

Register Today! [ccfcme.org/Biologic23](https://ccfcme.org/Biologic23)

# You Don't Want to Miss This Activity

## About Biologic Therapies Summit X and Vasculitis 2023

**Biologic Therapies Summit X and Vasculitis 2023** returns to in-person learning, bringing together world leaders in immune-based therapies and addressing cutting-edge topics in immunology and rheumatology. The course begins with a full day devoted to vasculitis, including key issues in the differential diagnosis of vasculitis, CNS vasculitis, ANCA-associated vasculitis, and organ-specific issues in vasculitis. The Biologic Therapies Summit X offers six sessions over two days, and kicks off with a half-day session featuring talks on CAR T-cell therapy, irAEs, precision medicine and the next generation of JAK inhibitors for IMiDs, and advances in complement biology and therapy. We take a deep dive into rheumatoid arthritis, AS, PsA and SpA in the afternoon. Day two addresses infections, COVID-19, co-morbidities with IMiDs, including ILD and cardiovascular risk in immune-mediated diseases, and Lupus. We wrap up the Summit with a session devoted to pain management, as we welcome physician, writer, and clinical researcher, Haider Warraich, MD, for an exploration of the social and scientific fundamentals of pain.

**NEW THIS YEAR!** A half-day session devoted to APPs, with updates on biologics for SpA and RA, factors to consider when choosing biologics, infectious complications of biologics, and an immunology lecture focusing on cytokines.

### By Attending, You Will Be Able To:

- Describe and critically appraise the immunologic mechanisms of action for targeted therapies and targeted synthetic therapies as they apply to efficacy and safety across the spectrum of immune-mediated inflammatory diseases including PsA, SpA, RA, SLE and vasculitis.
- Outline how precision medicine has been used to manage immune-related adverse events.
- Define advances in complement with rheumatic and immunologic diseases.
- Summarize evidence on COVID-19 and vaccinations and their effects on patients with immune-mediated inflammatory diseases, and describe the implications for clinical practice.
- Critically appraise how Long COVID presents in patients with immune-mediated inflammatory diseases.
- Evaluate comorbidities such as cardiovascular risk and complications associated with immune-mediated diseases.
- Define the clinical differences between type 1 and type 2 lupus.

### Who Should Attend

The Summit is directed towards rheumatologists, allergists/immunologists, dermatologists, internal medicine physicians, pharmacists, nurse practitioners, nurses, and physician assistants interested in or using biologic therapeutics for autoimmune and autoinflammatory disorders.

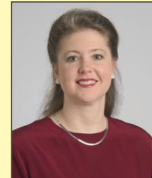
### Activity Co-Directors



**Leonard H. Calabrese, DO**  
R.J. Fasnmyer Chair of Clinical Immunology  
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Orthopaedic and Rheumatologic Institute  
Cleveland Clinic  
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**M. Elaine Husni, MD, MPH**  
Director, Arthritis and Musculoskeletal Treatment Center  
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# FACULTY

## Planning Committee

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UCHealth Rheumatology Clinic - Harmony Campus  
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## Guest Faculty

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**Stanley Cohen, MD**  
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Professor of Public Health and Preventive Medicine (joint appointment),  
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Oregon Health & Science University  
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## Cleveland Clinic Faculty

**Adam Brown, MD**  
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Respiratory Institute

**Florian Rieder, MD**  
Department of Gastroenterology, Hepatology & Nutrition  
Digestive Disease & Surgery Institute

**Sunil Srivastava, MD**  
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Cole Eye Institute

**Pavan Tankha, DO**  
Medical Director, Center for Comprehensive Pain Recovery  
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**Alexandra Villa-Forte, MD MPH**  
Department of Rheumatologic and Immunologic Disease  
Orthopaedic and Rheumatologic Institute

**Kinannah Yaseen, MD**  
Department of Rheumatologic and Immunologic Disease  
Orthopaedic and Rheumatologic Institute

# AGENDA

## Thursday, May 11, 2023 – Vasculitis 2023

7:00 am Registration & Breakfast

### Session I – Key Issues in the Differential Diagnosis of Vasculitis

Moderator – Carol A. Langford, MD, MHS

7:50 am Welcome and introductions

Carol A. Langford, MD, MHS

8:00 am IgG4 Related Disease

Zachary Wallace, MD, MSC

8:30 am Relapsing Polychondritis

Marcela Ferrada, MD

9:00 am Vascular Ehlers-Danlos Syndrome

Adam Brown, MD

9:25 am Drug-Induced Vasculitis

Kinannah Yaseen, MD

9:50 am Roundtable discussion

10:10 am Exhibit break

### Session II – CNS vasculitis

Moderator – Alexandra Villa-Forte, MD, MPH

10:30 am Update on CNS vasculitis

Rula Hajj-Ali, MD

10:55 am Radiographic investigations in CNS vasculitis

Matthew P. Kiczek, DO

11:20 am Roundtable discussion

11:35 am Lunch

### Session III – Current issues in ANCA-associated vasculitis

Moderator – Adam Brown, MD

12:45 pm Introduction to current issues in ANCA-associated vasculitis

Carol A. Langford, MD, MHS

1:10 pm Use of Rituximab and Avacopan in ANCA-associated vasculitis

Alexandra Villa-Forte, MD, MPH

1:35 pm Hypogammaglobulinemia in ANCA-associated vasculitis

Antoine Azar, MD

2:00 pm Roundtable discussion

2:20 pm Exhibit break

### Session IV – Organ-specific issues in vasculitis

Moderator – Rula Hajj-Ali, MD

2:40 pm Eye disease in vasculitis

Sunil Srivastava, MD

3:05 pm Pulmonary disease including ILD in vasculitis

Joseph Parambil, MD

3:30 pm Cardiac manifestations in vasculitis

Vidyasagar Kalahasti, MD

3:55 pm Roundtable Discussion

4:10 pm Adjourn

### APP Breakout Session: Focus on RA, SpA, and Biologics Safety

Moderators: Amanda Mixon, PA-C, and Betsy Kirchner, DNP

Each lecture includes 10 minutes for Q&A

1:00 pm Welcome

Amanda Mixon, PA-C, and Betsy Kirchner, DNP

1:15 pm Updates on Biologics for SpA and RA

Amanda Mixon, PA-C Betsy Kirchner, DNP

2:15 pm Break

2:30 pm Factors to Consider When Choosing a Biologic

Kristine Duly, PharmD

3:00 pm Infectious Complications of Biologics

Tony Mixon, PharmD, BCPS, BCIDP, BCCCP

3:30 pm Immunology Talk: Cytokines

Leonard Calabrese, DO

4:00 pm Adjourn

## Friday, May 12, 2023 – Biologic Therapies Summit X

7:00 am Registration, Breakfast & Non-CME Satellite

### Session I – Basic and Clinical Immunology for the Busy Clinician

Moderator – Leonard Calabrese, DO

8:00 am Welcome Remarks

Leonard Calabrese, DO

8:10 am Taming the T-cell and the prospects for CAR T-cell therapy in autoimmune diseases

Georg Schett, MD

8:50 am Question & Answer/Discussion

9:00 am Immunopathogenesis of adverse events from immunotherapy of cancer (irAEs) and the prospects for targeted therapy

Adam Mor, MD, PhD (remote presentation)

9:30 am Question & Answer/Discussion

9:40 am Exhibit Break

10:00 am Precision medicine and the next generation of JAK inhibitors for IMiDs

Massimo Gadina, PhD

10:30 am Question & Answer/Discussion

**10:40 am**    **Advances in complement biology and therapy in rheumatic and immunologic diseases**  
*Alfred Kim, MD, PhD*

**11:20 am**    **Question & Answer/Discussion**

**11:30 am**    **Lunch & Non-CME Satellites**

**Session II – Rheumatoid Arthritis - Can we treat the disease and the patient?**

*Moderator – M. Elaine Husni, MD, MPH*

**12:30 pm**    **Advancing RA therapeutics with precision medicine – how close are we?**  
*Stanley Cohen, MD*

**1:00 pm**    **Treating to target in RA - Putting the patient first**  
*José Da Silva, MD, PhD*  
*(remote presentation)*

**1:30 pm**    **Roundtable discussion**

**1:50 pm**    **Exhibit break**

**Session III – Are you treating your patient with AS and PsA effectively? The Learning Hub**

*Moderators: M. Elaine Husni, MD, MPH and Anthony Fernandez, MD, PhD*

**2:10 pm**    **Selecting Management Strategies in PsA and SpA**  
*M. Elaine Husni, MD, MPH*

**2:30 pm**    **Effectiveness and safety of tapering strategies in Axial SpA: highlighting real world evidence**  
*Marina Magrey, MD*

**3:05 pm**    **PsA: Deep dive from physiology to pathology**  
*Georg Schett, MD*

**3:40 pm**    **Live discussion from the Learning Hub**  
*All session faculty*

**4:20 pm**    **Adjourn**

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## Saturday, May 13, 2023

**7:00 am**    **Registration, Breakfast & Non-CME Satellite**

**Session I – Infections, COVID-19, Co-Morbidities with IMIDS**

*Moderator – Cassandra Calabrese, DO*

**8:00 am**    **Immunizations in the immunocompromised**  
*Kevin Winthrop, MD*

**8:30 am**    **Optimal management of COVID-19 in the immunocompromised**  
*Cassandra Calabrese, DO*

**9:00 am**    **Long COVID**  
*Leonard Calabrese, DO*

**9:30 am**    **Current status of COVID vaccinology in the compromised host**  
*Alfred Kim, MD, PhD*

**9:50 am**    **Roundtable Discussion**

**10:20 am**    **Exhibit Break**

**Session II – Optimizing outcomes in IMIDs: Focus on Co-Morbidities**

*Moderator – M. Elaine Husni, MD, MPH*

**10:40 am**    **ILD across IMIDs**  
*Joseph Parambil, MD*

**11:05 am**    **Assessing and treating cardiovascular risk in immune-mediated diseases**  
*Pulkit Chaudhry, MD*

**11:30 am**    **Clinical approach to IBD in immune-mediated diseases**  
*Florian Rieder, MD*

**11:55 am**    **Roundtable discussion**

**12:15 am**    **Lunch & Non-CME Satellites**

**Session III – Lupus: Advances in diagnosis and management**

*Moderator – Soumya Chatterjee, MD*

**1:20 pm**    **Advances in biologics in lupus**  
*Emily Littlejohn, DO, MPH*

**1:45 pm**    **Type 1 versus Type 2 lupus**  
*Jennifer Rogers, MD*

**2:10 pm**    **Panel Discussion**

**Session IV – Pain Management**

*Moderators: M. Elaine Husni, MD, MPH, and Leonard Calabrese, DO*

**2:30 pm**    **Pain recovery: Cleveland Clinic experience**  
*Pavan Tankha, DO*

**2:45 pm**    **RJ Fasenmyer Annual Lectureship: Exploring the Social and Scientific Fundamentals of Chronic Pain**  
*Haider Warraich, MD*



Physician, writer, and clinical researcher, Haider Warraich wears many hats. He writes frequently for the New York Times and the Washington Post, and has also written for the Atlantic, Wall Street Journal, LA Times, Guardian, Vox, Slate, Boston Globe and Stat News. He has authored more than 120 peer reviewed research papers including multiple papers in the New England Journal of Medicine and the Journal of the American Medical Association. In *The Song of Our Scars: The Untold Story of Pain* (Basic Books, April 2022), Warraich offers a bold reexamination of the nature of pain, not as a simple physical sensation, but as a cultural experience.

**4:00 pm**    **Roundtable discussion - Pain in Rheumatic Diseases**  
*Haider Warraich, MD*  
*Pavan Tankha, DO*

**4:30 pm**    **Adjourn**



# GENERAL INFORMATION

## Location

InterContinental Hotel and Bank of America  
Conference Center  
9801 Carnegie Avenue  
Cleveland, OH 44106  
Phone: 216.707.4100 or 877.707.8999  
Website: [www.iccleveland.com](http://www.iccleveland.com)



## Hotel Accommodations

A limited block of rooms has been reserved at the InterContinental Hotel only until 5:00 pm on April 9, 2023.

To make your reservations, contact the hotel at 216.707.4100 or 877.707.8999 and identify yourself as an attendee for the Biologic Therapies Summit X for a rate of \$199 per night, plus tax. Overnight guests receive a discounted parking rate of \$24.00 per day with in and out privileges.

## Nearby Cleveland Attractions

Visit the wide selection of restaurants and activities that Cleveland has to offer:

- University Circle is home to the world renowned Cleveland Orchestra, Cleveland Museum of Art, and more: [universitycircle.org](http://universitycircle.org).
- Playhouse Square Theater District is the second largest performing arts center in the country: [playhousesquare.org](http://playhousesquare.org).
- North Coast Harbor is home to the Rock and Roll Hall of Fame & Museum and Great Lakes Science Center, and nearby is the Cleveland Aquarium: [rockhall.com](http://rockhall.com), [greatscience.com](http://greatscience.com), and [greaterclevelandaquarium.com](http://greaterclevelandaquarium.com).
- Cleveland Guardians play the Los Angeles Angels on May 12, May 13, and May 14. Catch home town fever at Progressive Field: [mlb.com/guardians](http://mlb.com/guardians)

Visit [www.positivelycleveland.com](http://www.positivelycleveland.com) for additional information on attractions and entertainment.

## Parking

Parking is available in the East 100th Street Visitor's Parking Garage at prevailing rates. Parking is available at the hotel for an additional charge.

## Information

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

Website: [ccfcme.org/Biologic23](http://ccfcme.org/Biologic23)  
Local: 216.444.9990

In support of improving patient care, Cleveland Clinic Center for Continuing Education is jointly accredited by the Accreditation Council for Continuing Medical Education (ACCME), the Accreditation Council for Pharmacy Education (ACPE), and the American Nurses Credentialing Center (ANCC), to provide continuing education for the healthcare team.

## CREDIT DESIGNATION

- **Physicians / American Medical Association (AMA)**  
Cleveland Clinic Center for Continuing Education designates this live activity for a maximum of 20.25 *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.
- **Physician Assistants / American Academy of PAs (AAPA)**  
Cleveland Clinic Center for Continuing Education has been authorized by the American Academy of PAs (AAPA) to award AAPA Category 1 CME credit for activities planned in accordance with AAPA CME Criteria. This activity is designated for 20.25 AAPA Category 1 CME credits. PAs should only claim credit commensurate with the extent of their participation.
- **Nurses / American Nurses Credentialing Center (ANCC)**  
Cleveland Clinic Center for Continuing Education designates this live activity for a maximum of 20.25 ANCC contact hours.
- **Interprofessional Continuing Education (IPCE) Credit**  
This activity was planned by and for the healthcare team, and learners will receive 20.25 Interprofessional Continuing Education (IPCE) credit for learning and change.

## MAINTENANCE OF CERTIFICATION

- **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 20.25 MOC points in the American Board of Internal Medicine's (ABIM) Maintenance of Certification (MOC) program. It is the CME activity provider's responsibility to submit participant completion information to ACCME for the purpose of granting ABIM MOC credit.  
Your credit will be reported to the ABIM within 30 days of claiming credit.

## CERTIFICATE OF PARTICIPATION

A certificate of participation will be provided to other health care professionals for requesting credits in accordance with their professional boards and/or associations.

## Faculty Disclosure

The Cleveland Clinic Center for Continuing Education has implemented a policy to comply with the current Accreditation Council for Continuing Medical Education Standards for Integrity and Independence requiring mitigation of all faculty conflicts of interest. Faculty declaring a relevant financial relationship will be identified in the activity syllabus.

## Americans with Disabilities Act

The Cleveland Clinic 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.

## Health & Safety Information:

All applicable Centers for Disease Control (CDC), state, and local safety protocols will be enforced for this event. Additional attendance requirements may be implemented to ensure attendee health and safety. For the most current requirements, please visit [www.ccfcmec.org/Biologic23](http://www.ccfcmec.org/Biologic23).

# Register Online at [www.ccfcmec.org/Biologic23](http://www.ccfcmec.org/Biologic23)

**In-person fee includes:** continental breakfasts, refreshment break(s), lunches, and faculty PowerPoint presentations in PDF format, available online

**Live stream includes:** access to the live stream and faculty PowerPoint presentations in PDF format, available online

Category	On or Before April 10, 2023	After April 10, 2023
Physician	\$400	\$500
Non Physician	\$250	\$350
Resident/Fellow*	Complimentary	Complimentary
CC Alumnus	\$360	\$450
Corporate	\$400	\$500
Live Stream	Complimentary	Complimentary

\*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.

## Group Discount Available

Groups of 3 or more from the same office/institution will receive a 25% discount off the full registration fee. Registrants must call 216.448.8710 to receive a promotional code for special pricing.

## Registration and Cancellation

Preregistrations are accepted until 2:00 pm ET, May 10, 2023. Please register on site after this date. In case of cancellation, email notification is required to issue your refund. A full refund will be made if canceled by April 13, 2023. After April 13, 2023, a \$100 cancellation fee will be deducted from your refund. No refunds will be issued after May 4, 2023.

For questions about registration or cancellation, email us at [cmeregistration@ccf.org](mailto: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 meeting cancellations or changes.*





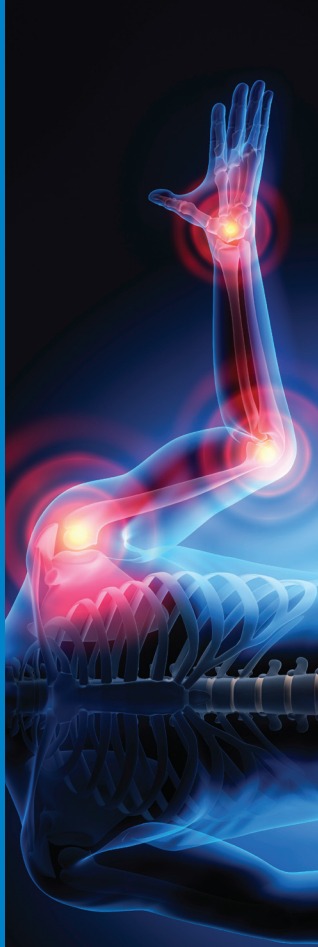
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