

Skin Inflammation in Human Health and Disease

July 12 – 14, 2023



OFFERED BY

Brigham and Women's Hospital, Department of Dermatology

COURSE DIRECTORS

Rachael Clark, MD, PhD, Megan Noe, MD, PhD, MSCE, Jason Williams, PhD

To ensure that this year's conference is a scientific success, and a fertile ground for young scientists, we are soliciting posters relevant to the conference program theme. [Click here to submit your abstract.](#)

COURSE DESCRIPTION: This course will focus on skin and its role in human health and disease. The speakers will present the most recent findings that better our understanding the role of human skin as a barrier, immunologic organ and readily accessible avenue for drug delivery. Cutting edge research techniques and strategies will be discussed that can be applied by investigative dermatologists looking to develop new directions in research. Research findings that can be applied to clinical practice will be discussed and emphasized. By the end of this conference, participants will have an improved understanding of the complex relationship between the immune system and the skin.

The course will begin on Wednesday, July 12, at 7:00pm with a two-hour poster session. Entrants will be chosen in advance based upon abstracts submitted prior to the conference. The bulk of the conference will be held on Thursday and Friday. Topics that will be covered will include: The role of the innate and adaptive immune system in skin immunity; Skin as a barrier; Interplay between the skin and microbiome; Emerging therapeutics in Skin Disease; Emerging Technologies for human skin disease research. Information will be presented in lecture format with a brief period for questions and answers following each presentation. Speakers are a diverse group of leading faculty from regional, national and international institutions who will provide a broad field of discourse on both the basic science and clinical implications of the most recent research in cutaneous immunology.

LEARNING OBJECTIVES: Upon completion of this activity, participants will be able to:

- Summarize the recent advances in inflammatory skin diseases which will help physicians achieve better outcomes.
- Recognize appropriate management and treatment options for inflammatory skin diseases and utilize these approaches in routine clinical practice.

ABMS/ACGME COMPETENCIES: The course is designed to meet the following American Board of Medical Specialties (ABMS) / Accreditation Council for Graduate Medical Educational (ACGME) competencies: Medical Knowledge, Patient Care and Procedural Skills.

IOM COMPETENCIES: This course is designed to meet one or more of the following National Academy of Medicine competencies: Provide Patient-Centered Care, Utilize Informatics, Employ Evidence-Based Practice.

TARGET AUDIENCE: This course is targeted to Primary Care Physicians, Specialty Physicians, Physician-scientists who specialize in dermatology, infectious diseases, immunology, internal medicine, neurology, oncology and hematology, and/or rheumatology.

ACCREDITATION: In support of improving patient care, Harvard Medical School 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.

The Harvard Medical School designates this live activity for a maximum of 11.50 *AMA PRA Category 1 Credits*[™]. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

The Royal College of Physicians and Surgeons of Canada recognizes conferences and workshops held outside of Canada that are developed by a university, academy, hospital, specialty society or college as accredited group learning activities.

The American Medical Association (AMA) has an agreement of mutual recognition of continuing medical education (CME) credit with the European Union of Medical Specialties (UEMS). Additional information regarding this agreement may be found here: <https://www.ama-assn.org/education/ama-pra-credit-system/agreement-european-union-medical-specialties-uems>.

REGISTRATION INFORMATION*: Registration fee: Physician: \$750, Resident/Fellow: \$350, Allied Health Professional/Other: \$350. Payment by credit card (VISA, MasterCard or American Express) can be made at <https://cmecatalog.hms.harvard.edu/skin-inflammation-human-health-and-disease>. At the end of the registration process, a \$10 non-refundable processing fee will be added to your registration. Telephone or fax registration is not accepted. Registration with cash payment is not permitted. Upon receipt of your paid registration, you will receive an email confirmation. Be sure to include an email address that you check frequently. Your email address is used for critical information including registration confirmation, evaluation and certificate.

*Processing (non-refundable service fee) \$10. All fees shown in USD.

REGISTRATION QUESTIONS: By phone (617-384-8600), Mon - Fri, 9 am to 5 pm (ET) or by email at: ceprograms@hms.harvard.edu.

LOCATION: Fairmont Copley Plaza, 138 St. James Ave, Boston MA 02116, 617-267-5300. Hotel Information can be found here: <https://book.passkey.com/event/50537833/owner/272/home>

DISCLOSURE POLICY: In accord with the disclosure policy of the Medical School as well as standards set forth by the Accreditation Council for Continuing Medical Education (ACCME), course planners, speakers, and content reviewers have been asked to disclose any relationships they have to companies whose primary business is producing, marketing, selling, re-selling, or distributing healthcare products used by or on patients. In addition, faculty have been asked to list any off-label uses of pharmaceuticals and/or devices for investigational or non-FDA approved purposes that they plan to discuss.

DISCLAIMER: CME activities accredited by Harvard Medical School are offered solely for educational purposes and do not constitute any form of certification of competency. Practitioners should always consult additional sources of information and exercise their best professional judgement before making clinical decisions of any kind. Note: *AMA PRA Category 1 Credit*[™] is calculated based on submission of a preliminary agenda and may be subject to change.

REFUND POLICY: Refunds, less an administrative fee of \$75, will be issued for all cancellations received two weeks prior to the start of the course. No refund will be issued should cancellation occur less than two weeks prior. "No shows" are subject to the full course fee.

<https://cmecatalog.hms.harvard.edu/skin-inflammation-human-health-and-disease>

ABSTRACT/POSTERS: To ensure that this year's conference is a scientific success, and a fertile ground for young scientists, we are soliciting posters relevant to the conference program theme. In addition, a few of the abstracts will be selected for "proffered short talks." After you have registered for the conference - no later than June 12, 2023 (no exceptions), register your poster and opportunity to speak by sending an e-mail to: Skininflammation2023@bwh.harvard.edu with the subject line: POSTER ABSTRACT, or POSTER AND TALK ABSTRACT.

In the e-mail body, write: Your name, Title of your poster/talk abstract, and Indicate whether ONLY poster, OR poster and talk

Below, please insert names of the all authors (with your name indicated by an asterisk (*), and an abstract of no more than 200 words (detailing background, objective(s), approach/results, and discussion/conclusions).

Poster information: The posters should be no larger than 48 inches wide and 56 inches high to fit on the provided boards.

The posters should all be mounted on their indicated spots no later than 6:59pm on Wednesday, July 12th, and remain up until 5:01pm on Friday, July 14th.

Program Schedule

Course # 734067-2401

WEDNESDAY, JULY 12, 2023		
5:00 pm – 7:00 pm	Registration	
7:00 pm – 9:00 pm	Poster Presentation Session and Reception	
THURSDAY, JULY 13, 2023		
7:30 am – 8:00 am	Breakfast	
8:00am – 8:15 am	Welcome	Rachael Clark, MD, PhD
8:15 am – 8:45 am	The Microbiota and Barrier Function of Skin	Elizabeth Grice, PhD
8:45 am – 9:15 am	Microbiome Control of Host Immunity	Yasmine Belkaid, PhD
9:15 am – 9:45 am	The Microbiome in Eczematous Skin	Heidi Kong, MD, MHSC
9:45 am – 10:15 am	Coffee Break – Poster Session	
10:15 am – 10:45 am	Innate Mechanisms of Skin Inflammation	Michel Gilliet, MD
10:45 am – 11:15 am	Sensing Inflammation in the Skin and Beyond	Brian Kim, MD, MTR, FAAD
11:15 am – 11:45 am	The Effect of Cutaneous Nerves on Skin Immune Responses	Daniel Kaplan, MD, PhD
11:45 am – 12:00 pm	Selected Trainee Abstract Presentation I	
12:00 pm – 1:00 pm	Lunch	
1:00 pm – 1:30 pm	Single Cell Insights into Face Transplant Rejection	William "Cris" Crisler, PhD
1:30 pm – 2:00 pm	Blocking and Activating Ligands for CD1a Proteins on Langerhans Cells Control T cell Response in Skin Disease	D. Branch Moody, MD
2:00 pm – 2:30 pm	AhR Signaling in Human Skin Inflammation	Rachael Clark, MD, PhD
2:30 pm – 3:00 pm	Coffee Break – Poster Session	
3:00 pm – 3:30 pm	Translating Cytokine Signaling: Lessons Learned and Future Opportunities	John O'Shea, MD
3:30 pm – 3:45 pm	Selected Trainee Abstract Presentation II	
FRIDAY, JULY 14, 2023		
8:00 am – 8:30 am	Resident Memory T Cells in Human Inflammatory Disease	Liv Eidsmo, MD, PhD
8:30 am – 9:00 am	Mapping Inflamed Skin Microenvironment in Human Herpes Simplex Virus Infection	Jia Zhu, PhD
9:00 am – 9:30 am	Tissue-resident Memory T Cells in Tumor Immunity	Jason Williams, PhD
9:30 am – 10:00 am	Effects of Skin Vaccination on Systemic Immunity	Thomas Kupper, MD
10:00 am – 10:30 am	Coffee Break – Poster Session	
10:30 am – 11:00 am	Understanding and Treating Hidradenitis Suppurativa	James Krueger, MD, PhD
11:00 am – 11:30 am	Mouse Models of Psoriasis in 2023; Is there a future?	Nicole Ward, MD, PhD
11:30 am – 12:00 pm	Advances in Atopic Dermatitis	Emma Guttman-Yassky, MD, PhD
12:00 pm – 1:00 pm	Lunch	
1:00 pm – 1:30 pm	CART Therapy and Mechanisms of Engineered T Cell Differentiation	Christoph Ellebrecht, MD
1:30 pm – 2:00 pm	Updates in Pustular Psoriasis	Megan Noe, MD, MPH, MSCE
2:00 pm – 2:30 pm	Systemic Sclerosis: New Insights and Therapies	Yannick Allanore, MD, PhD
2:30 pm – 3:00 pm	Coffee Break – Poster Session	
3:00 pm – 3:30 pm	Vitiligo and Targeted Therapies	John Harris, MD, PhD
3:30 pm – 4:00 pm	Using Virotherapy as a Treatment for Skin Cancer	Andrew Zloza, MD, PhD
4:00 pm – 4:30 pm	Poster Awards and Closing Remarks	Rachael Clark, MD, PhD

*Please Note: Program changes/substitutions may be made without notice.

Faculty

YANNICK ALLANORE, MD PhD

Professor of Rheumatology

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HEIDI KONG, MD, MHSC

Heat, Cutaneous Microbiome and Inflammation Section

Dermatology Branch NIAMS/NIH, Head and Senior Investigator, Cutaneous Microbiome and Inflammation Section

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