



What's New in Pathogenesis & Mechanisms? Drivers of Disease

**Wednesday, May 15, 2024 • 8:00 am-Noon CDT
Hilton Anatole • Cortez Ballroom C&D • Dallas, TX, USA**

***An International Eczema Council Symposium
at the 2024 Annual Meeting of the
Society for Investigative Dermatology (SID)***

AGENDA

8–8:10 am

Welcome from the IEC

Lawrence F. Eichenfield, MD, San Diego, CA, USA

8:10–8:15 am

Program Overview

Emma Guttman, MD PhD, New York, NY, USA

8:15–8:45 am

Epithelial Barrier and Immune Biomarkers in Type 2 Diseases and their Association with Disease Severity

Emma Guttman, MD PhD, New York, NY, USA

8:45–9:15 am

The Link Between Neuroinflammation and AD

Gil Yosipovitch, MD FAAD, Miami, FL, USA

9:15–9:45 am

Mechanisms and Biomarkers of AD Prevention

Alan Irvine, MD DSc, Dublin, Ireland

9:45–10 am

Break

10–10:30 am

Navigating Big and/or Meta Data in AD

Patrick Brunner, MD, New York, NY, USA

10:30–11 am

SID Abstract: IL-13 Protein Concentrates in the Epidermis of Lesional and Nonlesional Skin of AD Patients

Carolyn Jack, MDCM PhD FRCPC; McGill University, Québec, Canada

11–11:15 am

SID Abstract: Using Facial Skin Artificial Intelligence (AI) to Capture Eczema Patients' Response to Therapy—a Single-Center Prospective Study

Shirley P. Parraga, BS; Wake Forest University School of Medicine, Winston-Salem, NC, USA

11:15–11:30 am

SID Abstract: Effects of Commonly Used Topical Moisturizers on the Survival of *Staphylococcus aureus* and *Staphylococcus hominis* A9: Key Contributors to the Atopic Dermatitis Microbiome

Austin Moon, MD; University of California at San Diego, San Diego, CA, USA

11:30 am–Noon

Discussion Panel & Q&A with Speakers

IEC PRESIDENT ELECT



Lawrence F. Eichenfield, MD, IEC President Elect

Lawrence Eichenfield is chief of pediatric and adolescent dermatology at Rady Children's Hospital–San Diego in San Diego, CA, USA, and the vice chair of the department of dermatology and professor of dermatology and pediatrics at the University of California San Diego (UCSD) School of Medicine in La Jolla, CA, US.

His clinical interests include atopic dermatitis, acne, psoriasis, vascular lesions including port wine stains and hemangiomas, neonatal dermatology, laser surgery, nevi, and skin signs of systemic disease. He has authored more than 400 journal articles, chapters, abstracts, and books on these topics and has served as the senior editor of *Neonatal and Infant Dermatology* and *The Eczemas*. He served as editor-in-chief of *Pediatric Dermatology* for 12 years and serves on the editorial boards of multiple journals and periodicals.

He has received extensive honors and served in various leadership capacities for the Society for Pediatric Dermatology, American Academy of Dermatology, American Acne and Rosacea Society, and Pediatric Dermatology Research Alliance (PeDRA).

Dr. Eichenfield received his medical degree from Mount Sinai School of Medicine, was a pediatric resident and chief resident at Children's Hospital of Philadelphia, and completed his dermatology residency at the Hospital of the University of Pennsylvania.

LEARNING OBJECTIVES

1. Demonstrate the ability to discuss the relationship between neuroinflammation and atopic dermatitis, including its implications for therapeutic interventions.
2. Evaluate and apply evidence-based strategies for atopic dermatitis prevention while utilizing knowledge of mechanisms and biomarkers.
3. Analyze the impact of atopic epithelia and skin immune abnormalities on clinical disease severity in type 2 diseases.

PROGRAM CO-CHAIRS



Emma Guttman, MD PhD, IEC Past President, Cofounder, and Councilor

Emma Guttman-Yassky is the system chair of the department of dermatology and the Waldman Professor of Dermatology and Immunology at the Icahn School of Medicine at Mount Sinai, New York. She is the director of the Center of Excellence in Eczema and the Laboratory for Inflammatory Skin Diseases.

Dr. Guttman's major research focus areas are atopic dermatitis (AD)/eczema and alopecia areata. Her research made paradigm-shifting discoveries on the immunologic basis of AD in adults and children with AD, enriching the understanding of the pathophysiology of this common disorder, opening the door for novel, pathway-specific drugs in this disease. She has extended her research interest to hair loss disorders, chronic hand eczema, keloids, ichthyosis, and other skin diseases, in which her findings are also translated to novel therapeutics.

Dr. Guttman cofounded the IEC and is a past president. She has received many national and international awards (such as the AAAAI Award for Scientific Innovation and for pioneering discoveries, AAD Young Investigator award). She was elected as a member to the American Society for Clinical Investigation (ASCI) and the American Dermatological Association (ADA). Dr. Guttman is often a keynote and plenary speaker in international and national meetings and has authored over 275 peer-reviewed publications.

She earned her MD from Sackler School of Medicine at the Tel-Aviv University and a PhD from the Bar-Ilan University, Israel. After her Israeli Board certification in dermatology in Israel, Dr. Guttman moved to the U.S. to pursue a 2-year postdoctoral fellowship at The Rockefeller University in the Laboratory for Investigative Dermatology. Upon completion of her fellowship, she became board-certified by the American Board of dermatology after a second dermatology residency training at Weill-Cornell Medical College, in NY.



Carolyn Jack, MD PhD FRCPC, IEC Associate

Carolyn Jack is an assistant professor at McGill University and a junior scientist at the Infectious Diseases and Immunity in Global Health Program of the Research Institute of the McGill University Health Centre. In 2018, Dr. Jack founded the McGill University Hospital Network Center of Excellence for Atopic Dermatitis, the first tertiary care centre in Canada dedicated to adult atopic dermatitis.

She is the cofounder of EczemaQ, an award-winning mobile health application, and the registered nonprofit Patient Advisory Committee known as Eczéma Québec. As a clinician scientist, her research goal is to identify disease-modifying interventions in chronic atopic dermatitis.

PROGRAM FACULTY



Alan Irvine, MD DSC, IEC President

Alan Irvine has been a consultant dermatologist at Children's Health Ireland and St. James's Hospital, Dublin, Ireland, since 2002 and professor of dermatology at Trinity College Dublin since 2007. He became the IEC president this year.

He has published extensively in high impact journals such as the *New England Journal of Medicine*, *The Lancet*, *Nature Genetics*, and *Nature Reviews Disease Primers*—mostly on epithelial genetics, characterisation of the skin barrier, disease mechanisms in, and therapy of, atopic dermatitis. His international awards for research include the Times Higher Education Supplement Research Project of the Year and the Paul Gerson Unna Prize (German Dermatology Society). He has delivered several prize lectureships including the MB Sulzberger (AAD), Watson-Smith (RCP Edin), and Dolovich (AAAAI).

Dr. Irvine is a founding director of the International Eczema Council, an elected member of the Royal Irish Academy and the Academia Europaea, and an honorary member of the Société Française de Dermatologie.

He trained in dermatology and genetics in Belfast, Northern Ireland; in Great Ormond Street Hospital in London, England; and as a Fulbright Scholar at Children's Memorial/Northwestern University in Chicago, IL, USA.

PROGRAM FACULTY (CONTINUED)



Gil Yosipovitch, MD FAAD, IEC Councilor

Gil Yosipovitch, MD is a tenured professor and Stiefel-endowed chair of medical dermatology at the Dr. Phillip Frost Department of Dermatology at the Miller School of Medicine at University of Miami in Coral Gables, FL, USA. He is the director of the Miami Itch Center, which focuses on chronic itch as a disease state.

He has published more than 550 articles in books and peer-reviewed journals and has edited 5 books. He is the founder and past president of the International Forum for the Study of Itch and a member of its board. He served as chair of the Scientific Board of the National Eczema Association and member of the Scientific Board of The National Psoriasis Foundation.

He serves on the editorial boards of seven key specialty journals. In addition, he received one of the highest awards in dermatology, the Marion B. Sulzberger, MD, memorial award and lectureship, for his work on itch, at the 2016 American Academy of Dermatology meeting. Dr. Yosipovitch has given more than 500 invited lectures to dermatology groups and organizations around the world and has mentored more than 40 fellows, PhD students, and postdoctoral fellows.

Prior to joining the faculty of University of Miami, Dr. Yosipovitch was founding chair the Department of Dermatology at Temple University and directed the first translational, clinical, and research center dedicated to the study of chronic itch in the US.



Patrick Brunner, IEC Councilor

Patrick Brunner is associate professor of dermatology and director of the Cutaneous Lymphoma Clinic in the Kimberly and Eric J. Waldman Department of Dermatology at the Icahn School of Medicine at Mount Sinai in New York City, NY, USA. As a clinician scientist with a strong interest in skin immunology, he sees patients suffering from primary cutaneous immune cell malignancies and also has a general interest in chronic inflammatory skin diseases such as vitiligo, atopic dermatitis, alopecia areata, and scarring alopecias. His research is aimed at a better understanding of the tumor immunobiology in cutaneous lymphomas, and to develop better treatment modalities for this patient population.

Dr. Brunner obtained his MD from the Medical University of Vienna, Austria. He completed his residency in dermatology at the Department of Dermatology at the Medical University of Vienna (General Hospital Vienna), under the mentorship of Dr. Georg Stingl. Afterward, Dr. Brunner joined the Laboratory for Investigative Dermatology at The Rockefeller University in New York, obtaining a master's degree in clinical and translational sciences and performed research on atopic dermatitis under the mentorship of Drs. Emma Guttman and James G. Krueger.

In 2018 in Vienna, he built a research group focusing on cutaneous immunobiology of chronic inflammatory skin diseases and primary cutaneous lymphomas, to better understand how individual immune cells orchestrate skin inflammation in benign and malignant conditions.



Shirley P. Parraga, BS; Wake Forest University School of Medicine, Winston-Salem, NC, USA

Shirley Parraga is a research fellow at the Center for Dermatology Research in the department of dermatology at Wake Forest School of Medicine working under the leadership of Dr. Steven Feldman, MD PhD. During her research year, Ms. Parraga has participated in various dermatologic clinical trial studies with a focus on psoriasis and atopic dermatitis (AD). Her current research studies bridge the analysis of AD pathogenesis and artificial intelligence (AI) by allowing clinicians to assess changes in facial characteristics, such as Dennie-Morgan lines and erythema, through a convenient software application, Perfect Skincare Pro.

As a research scholar at East Carolina University Brody School of Medicine and the National Foundation for Ectodermal Dysplasias (NFED) working in the laboratory of Dr. Maranke Koster, PhD, Ms. Parraga brings considerable knowledge surrounding rare skin disorders with a focus on Ankyloblepharon-Ectodermal Defects-Cleft Lip/Palate Syndrome (AEC) and Ectrodactyly-Ectodermal Defects-Cleft Lip/Palate Syndrome (EEC).

Originally from Guayaquil, Ecuador, Ms. Parraga resides in Winston-Salem, NC, USA. Her goal is to pursue a career as a pediatric dermatologist while gaining broad experience and serving a diverse patient population.



Austin Moon, MD; University of California at San Diego, San Diego, CA, USA

Austin Moon is a research fellow at the Clinical Trials Unit in the Department of Dermatology at the University of California San Diego under Dr. Tissa Hata. His current research in clinical trials involves studying bacteriotherapy and inflammatory markers in acne patients, bacteriotherapy in eczema patients, endotyping eczema patients in collaboration with the National Institutes of Health, and more.

He received his bachelor's degree in biology from the Georgia Institute of Technology in 2017 and his medical degree from the Medical College of Georgia in 2022. He will begin his dermatology residency at New York Medical College in July 2024.

IEC THANKS OUR CORPORATE SUPPORTERS

The support of our corporate partners makes it possible for the International Eczema Council (IEC) to advance its mission of improving patient care by promoting research, education, and best practices in treatment for atopic dermatitis in people worldwide.

Learn how to join these companies in advancing the IEC mission; visit eczemacouncil.org/corporate-membership and email CEO Alan Stiles at astiles@eczemacouncil.org.

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INTERNATIONAL ECZEMA COUNCIL

ABOUT THE INTERNATIONAL ECZEMA COUNCIL

Founded in late 2014 and led by experts in atopic dermatitis, the International Eczema Council (IEC) is a global nonprofit organization. Dermatologists and allergists from around the globe serve as Councilors and Associates, contributing their expertise to support the IEC's research, programs, events, and education. The IEC has [133 Councilors and Associates in 31 countries](#), and this group continues to grow.

Mission

Improve patient care by promoting research, education, and best practices in treatment for atopic dermatitis in people worldwide.

Vision

Transforming the lives of people with atopic dermatitis.

Upcoming Symposia

[Safety of JAK Inhibitors in the Treatment of Inflammatory Skin Diseases](#): June 1 at EAACI in València, Spain.

[From Comparative Pathogenesis to Biomarker-Guided Treatments in Psoriasis and Eczema](#): September 4 at ESDR in Lisbon, Portugal. Presented jointly with the International Psoriasis Council.

[Chronic Hand Eczema](#): September 28 at EADV in Amsterdam, Netherlands.

[Visit the Symposia Page](#)



International Eczema Council

8735 W. Higgins Road, Suite 300

Chicago, IL 60631, USA

888.382.3724 (USA)

info@eczemacouncil.org

EczemaCouncil.org

Contact IEC CEO Alan Stiles at astiles@eczemacouncil.org.

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