



Biomarkers

A 60-minute virtual symposium

IEC at the SID Virtual Meeting 2021 | May 6, 2021

PROGRAM CHAIRS

- Emma Guttman, MD PhD | New York, NY, USA
- Dirkjan Hijnen, MD PhD | Rotterdam, Netherlands
- Kenji Kabashima, MD PhD | Kyoto, Japan

PROGRAM AGENDA

- (10 Minutes) **Welcome & Program Overview**
Emma Guttman | Kenji Kabashima
- (10 Minutes) **Cytokines and chemokines as a possible biomarker in atopic dermatitis**
Kenji Kabashima MD PhD | Kyoto, Japan
Professor, Department of Dermatology
Kyoto University Graduate School of Medicine
- (10 Minutes) **Atopic Dermatitis 3.0: from clinical phenotypes to biomarker based endophenotypes**
Dirkjan Hijnen, MD PhD | Rotterdam, Netherlands
Associate Professor
Dept of Dermatology, Erasmus University Medical Center
- (10 Minutes) **Treatment response biomarkers and minimally invasive skin biomarkers**
Emma Guttman, MD, PhD | New York, NY
Waldman Professor and System Chair, Dermatology and Immunology
Director, Center of Excellence for Eczema and the Occupational Dermatitis Clinic
Director, Laboratory for Inflammatory Skin Diseases
Icahn School of Medicine at Mount Sinai
- (20 Minutes) **Fireside Chat Panel Discussion & Closing Remarks**
Emma Guttman | Dirkjan Hijnen | Kenji Kabashima



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About Our Faculty

Emma Guttman, MD PhD, IEC President is the Waldman Professor and System Chair, Dermatology and Immunology, and the director of both the Center of Excellence for Eczema and the Occupational Dermatitis Clinic and Laboratory for Inflammatory Skin Diseases at the Icahn School of Medicine at Mount Sinai Medical Center, New York. Guttman's major focus is atopic dermatitis (AD). She has:

- made paradigm-shifting discoveries on the immunologic basis of AD in humans, enriching the understanding of its pathophysiology and opening the door to new therapeutics
- developed comprehensive molecular maps of AD, defining skin differentiation and immune-circuits characterizing this disease
- established the reversibility of the AD phenotype
- defined a series of biomarkers that are now accelerating testing of novel pathway-specific drugs for AD.

She earned her doctor of medicine degree from Sackler in Tel-Aviv, Israel, and a doctor of philosophy degree from Bar-Ilan University in Israel. After receiving her board certification in dermatology in Israel, Guttman moved to the United States to pursue a postdoctoral fellowship at The Rockefeller University in New York, NY, and a second dermatology residency at Weill Cornell Medicine in New York, NY.

In addition to serving as president and co-founder of the International Eczema Council (IEC), Guttman was elected to the American Society for Clinical Investigation (ASCI) and the American Academy of Dermatology (AAD). Among other honors, she received the AAD Young Investigator Award in 2011.

Kenji Kabashima, MD PhD is incoming IEC Secretary as well as chair and professor of the Department of Dermatology at Kyoto University Graduate School of Medicine in Japan, a principal investigator at the Institute of Medical Biology (IMB/SiGN) in Singapore, and visiting consultant at the National Skin Centre in Singapore. His main interests include the mechanism of inflammatory skin diseases and three-dimensional visualization of the skin using two-photon microscopy.

Kabashima graduated from Kyoto University in 1996 and was trained in medicine/dermatology at the United States Naval Hospital Yokosuka Japan, Kyoto University Hospital, and University of Washington Medical Center. He started research on bioactive lipid mediators at Kyoto University, which led to his PhD. Then, he studied at the Department of Dermatology, Kyoto University Graduate School of Medicine; University of California, San Francisco; and University of Occupational and Environmental Health.

DirkJan Hijnen, MD PhD is a dermatologist, instructor, and researcher at the Erasmus MC in Rotterdam, the Netherlands. He leads the outpatient clinic for patients with atopic dermatitis. His research focuses on the development of new tools for the characterization of atopic dermatitis patients. He believes the integration of clinical, serological, cellular, and molecular biomarkers will lead to a better understanding of disease mechanisms and contribute to precision medicine.

Hijnen earned an MSc degree in medical biology from the University of Amsterdam and an MD and PhD from the University of Utrecht, where he studied the role of T cells in the pathogenesis of atopic dermatitis. During his dermatology residency, Hijnen received a grant to continue his T-cell research in Rachael A. Clark's lab at the Brigham and Women's Hospital in Boston, MA, USA. From 2011 to 2017, he worked at the University Medical Center of Utrecht.