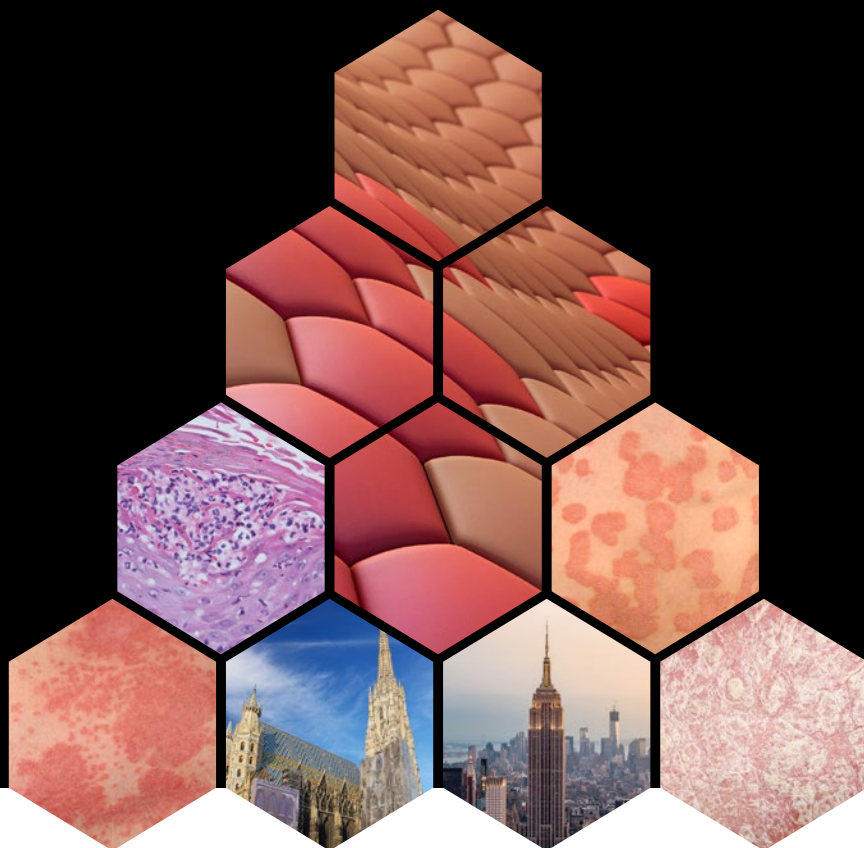


2nd Inflammatory Skin Disease Summit

The Translational Revolution

November 16-19, 2016

The New York Academy of Medicine, NY, USA



MEETING PROGRAM

Scientific Program

WEDNESDAY, NOVEMBER 16, 2016

02.30 pm REGISTRATION OPENS

Opening

Chairs: Emma Guttman (New York, NY), Patrick M. Brunner (New York, NY)

03.30 pm - 03.45 pm Welcome address

03.45 pm - 04.00 pm **Setting the stage**
Georg Stingl (Vienna, Austria)

04.00 pm - 04.30 pm **Inflammatory skin diseases – The technological revolution**
James G. Krueger (New York, NY)

04.30 pm - 05.00 pm **The skin immune system in health and disease**
Thomas S. Kupper (Boston, MA)

05.00 pm - 05.15 pm BREAK

05.15 pm - 06.45 pm **Sponsored afternoon symposium (see page 8)**

06.45 pm - 07.30 pm **Oral presentations from selected abstracts**

Chairs: Amos Gilhar (Haifa, IL), Avi Ma'ayan (New York, NY)

06.45pm - 06.57 pm **P074: A distinct molecular signature of interface dermatitis as determined by gene expression analysis combined with disease independent histological phenotyping**
Felix Lauffer (Munich, Germany)

06.57 pm - 07.09 pm **P126: The atopic dermatitis blood signature is characterized by increases in inflammatory and cardiovascular risk markers**
Patrick M. Brunner (New York, NY)

07.09 pm - 07.21 pm **P046: CD8+ polycytotoxic T cells are defined by natural killer cell receptors and exhibit antimicrobial activity against intracellular bacteria**
Samuel J. Balin, Los Angeles, CA

07.30 pm - 09.30 pm RECEPTION AND POSTER VIEWING



THURSDAY, NOVEMBER 17, 2016

07.00 am - 08.00 am REGISTRATION AND CONTINENTAL BREAKFAST

08.00 am - 09.30 am **Sponsored breakfast symposium (see pages 8-9)**

Morning lectures

Chairs: Robert Modlin (Los Angeles, CA), Miriam Merad (New York, NY)

09.30 am - 10.00 am **Innate immunity and dendritic cells**
Michel Gilliet (Lausanne, Switzerland)

10.00 am - 10.30 am **Antigen presentation in the skin**
Keisuke C. Nagao (Bethesda, MD)

10.30 am - 11.00 am **Dendritic cell subsets - Of mice and men**
Eynav Klechevsky (St. Louis, MO)

11.00 am - 11.30 am COFFEE BREAK

Chairs: Johann Gudjonsson (Ann Arbor, MI), Claudia Traidl-Hoffmann (Augsburg, Germany)

11.30 am - 12.00 pm **Skin T cells revisited**
Rachael A. Clark (Boston, MA)

12.00 pm - 12.30 pm **Lymphocyte identity crisis: genomic views**
John O'Shea (Bethesda, MD)

12.30 pm - 12.45 pm BREAK

12.45 pm - 02.15 pm **Satellite lunch symposium (see page 9)**

Afternoon lectures

Chairs: Richard D. Granstein (New York, NY), Lawrence F. Eichenfield (San Diego, CA)

02.15 pm - 02.45 pm **The microbiome of healthy and eczematous skin**
Heidi Kong (Bethesda, MD)

02.45 pm - 03.15 pm **Rosacea and AMPs**
Richard Gallo (San Diego, CA)

03.15 pm - 03.45 pm **Acne and hidradenitis**
Diane M. Thiboutot (Hershey, PA)

03.45 pm - 04.15 pm **Role of infections in inflammatory skin diseases**
Donald Y. M. Leung (Denver, CO)

4.15 pm - 04.45 pm COFFEE BREAK

Chairs: Michelle Lowes (New York, NY), Hugh Sampson (New York, NY)

04.45 pm - 05.15 pm **The inflammasome and autoinflammation**
Raphaella T. Goldbach-Mansky (Bethesda, MD)

05.15 pm - 05.45 pm **Skin inflammation by 3-dimensional imaging**
Kenji Kabashima (Kyoto, Japan)

05.45 pm - 06.15 pm **Mediators of inflammation**
Thomas Luger (Münster, Germany)

06.15 pm - 09.00 pm RECEPTION AND POSTER VIEWING



FRIDAY, NOVEMBER 18, 2016

07.30 am - 08.30 am REGISTRATION AND CONTINENTAL BREAKFAST

Morning lectures

Chairs: Lisa A. Beck (Rochester, NY), David E. Cohen (New York, NY)

08.30 am - 09.00 am Comorbidities in inflammatory skin diseases
Jonathan I. Silverberg (Chicago, IL)

09.00 am - 09.30 am Psoriasis - State of the art mechanisms, targeted therapies and future developments
Frank O. Nestle (Cambridge, MA)

09.30 am - 10.00 am Monocyte/myeloid cell dysfunction in psoriasis - relationship to comorbidity mechanisms
Kevin D. Cooper (Cleveland, OH)

10.00 am - 10.30 am COFFEE BREAK

Chairs: Nicole L. Ward (Cleveland, OH), Keith Choate (New Haven, CT)

10.30 am - 11.00 am Evolving concepts in atopic dermatitis and implications for targeted therapeutics
Emma Guttman (New York, NY)

11.00 am - 11.30 am Translational potential for treatment of pediatric inflammatory skin diseases
Amy S. Paller (Chicago, IL)

11.30 am - 12.00 pm Adverse cutaneous drug reactions - Clinical presentation and pathogenesis
Lars E. French (Zurich, Switzerland)

12.00 pm - 12.15 pm BREAK

12.15 pm - 01.45 pm **Sponsored lunch symposium (see pages 9-10)**

Afternoon lectures

Chairs: Andrew Alexis (New York, NY), David A. Norris (Denver, CO)

01.45 pm - 02.15 pm Translational research in vitiligo - Launching a new era of targeted treatment
John E. Harris (Worcester, MA)

- 02.15 pm - 02.45 pm** Targeted therapies in alopecia areata
Angela Christiano (New York, NY)
- 02.45 pm - 03.15 pm** Characterization of the autoantibody repertoire in pemphigus
John R. Stanley (Philadelphia, PA)
- 03.15 pm - 03.45 pm** Targeted therapy for blistering disorders
Aimee S. Payne (Philadelphia, PA)
- 03.45 pm - 04.00 pm COFFEE BREAK
- 04.00 pm - 05.30 pm** Sponsored afternoon symposium (see page 10)



SATURDAY, NOVEMBER 19, 2016

07.30 am - 08.30 am REGISTRATION AND CONTINENTAL BREAKFAST

08.30 am - 10.00 am **Sponsored breakfast symposium (see page 11)**

Morning lectures

Chairs: Emilia Hodak (Tel Aviv, Israel), Mayte Suárez-Fariñas (New York, NY)

10.00 am - 10.30 am Inflammation and cancer - The two sides of the coin
Martin Röcken (Tübingen, Germany)

10.30 am - 11.00 am Sarcoidosis and targeted therapeutics
Misha A. Rosenbach (Philadelphia, PA)

11.00 am - 12.00 pm **Oral presentations from selected abstracts**

Chairs: Ralf Paus (Manchester, United Kingdom), Stefanie Eyerich (Munich, Germany)

11.00 am - 11.12 am P122: Dupilumab progressively suppresses inflammation, reduces epidermal hyperplasia and increases epidermal barrier gene expression in atopic dermatitis (AD) skin
Emma Guttman (New York, NY)

11.12 am - 11.24 am P087: Novel chimeric immunoreceptors for pemphigus vulgaris (PV) therapy
Christoph T. Ellebrecht (Philadelphia, PA)

11.24 am - 11.36 am P048: Streptococcus pyogenes activation of circulating CLA+ T cells in guttate and chronic plaque psoriasis patients: IL-9 production dependence on time of flare, PASI, ASO levels, and relationship with IL-17 response
Luis F Santamaria-Babí (Barcelona, Spain)

11.36 am - 11.48 am P111: The epithelial DLX3-dependent transcriptome regulates skin immune homeostasis
Shreya Bhattacharya (Bethesda, MD)

11.48 am - 12.00 pm P018: Application of peanut protein on normal skin leads to tolerance whereas application on irritated skin leads to IgE sensitization
Lucie Mondoulet (Montroulet, France)

12.00 pm - 12.15 pm BREAK

12.15 pm - 01.45 pm Oral presentations from selected abstracts

Chairs: Kilian Eyerich (Munich, Germany), Christine Bangert (Vienna, Austria)

- 12.15 pm - 12.27 pm** P107: Altered composition of epidermal lipids correlates with *Staphylococcus aureus* colonization status in adult Atopic Dermatitis subjects
Arup Indra (Corvallis, OR)
- 12.27 pm - 12.39 pm** P021: Association between atopic dermatitis and autoimmune disease in adults
Yuki M.F. Andersen (Hellerup, Denmark)
- 12.39 pm - 12.51 pm** P004: Clinical and Histologic Patterns of Dermatologic Toxicity from Immune Checkpoint Blockade Therapy
Jonathan Curry (Houston, TX)
- 12.51 pm - 01.03 pm** P058: Immunological analysis of metastatic melanoma patients treated with nivolumab; is Th9 cell subset a possible biomarker of treatment efficacy?
Yumi Nonomura (Kyoto, Japan)
- 01.03 pm - 01.15 pm** P125: Anti-inflammatory activity of a bacterial small molecule product derives from Aryl Hydrocarbon Receptor activation
Susan Smith (Durham, NC)
- 01.15 pm - 01.27 pm** P127: Precision medicine in psoriasis: Machine learning and proteomics join forces to develop a blood-based test to predict response to tofacitinib or Etanercept in psoriasis patients
Mayte Suárez-Fariñas (New York, US)
- 01.27 pm - 01.39 pm** P012: Improvement of DC vaccination strategies: Identification of a stable and migratory subset of IL-10 modulated dendritic cells.
Verena Raker (Mainz, Germany)

Afternoon lectures

Chairs: Daniel Mimouni (Tel Aviv, Israel), Sergio Lira (New York, NY)

- 01.45 pm - 02.15 pm** Scleroderma
Thomas Krieg (Cologne, Germany)



02.15 pm - 02.45 pm **Lupus - Pathogenic and therapeutic advances**
Virginia Pascual (Dallas, TX)

02.45 pm - 03.15 pm **Chronic urticaria and IgE targeting**
Marcus Maurer (Berlin, Germany)

03.15 pm - 03.45 pm **COFFEE BREAK**

Chairs: Brian J. Nickoloff (Carmel, IN), Zahi A. Fayad (New York, NY)

03.45 pm - 04.15 pm **Chances and hurdles of investigator initiated trials**
Alexander Navarini (Zurich, Switzerland)

04.15 pm - 04.45 pm **Unmet needs - Defining research frontiers**
Michael D. Howell (Gaithersburg, MD)

04.45 pm - 05.15 pm **The translational revolution - Implications for the health care system**
Mark Lebwohl (New York, NY)

05.15 pm - 05.45 pm **From target discovery to therapeutic development**
George D. Yancopoulos (Tarrytown, NY)

05.45 pm - 06.00 pm **CLOSING SESSION & FAREWELL**

Industry Supported Sessions

Complimentary CME Symposium

WEDNESDAY, NOVEMBER 16, 2016

5:15 PM - 6:45 PM

Hosack Hall

“Inflammation: More Than Skin Deep in Psoriasis”

This activity is supported by an educational grant from Lilly. For further information concerning Lilly grant funding visit www.lillygrantoffice.com

- 5:15 pm - 5:20 pm** Introductions and Overview of Systemic Inflammation
James G. Krueger, MD, PhD
- 5:20 pm - 5:35 pm** Clinical Significance of Cardiometabolic Comorbidity in Psoriatic Disease
Joel M. Gelfand, MD, MSCE
- 5:35 pm - 5:50 pm** Pathogenic Mechanisms Linking Inflammatory Disease to Adverse Cardiometabolic Outcomes
Iain B. McInnes, FRCP, PhD, FRSE
- 5:50 pm - 6:05 pm** Current Treatment Paradigms of Moderate to Severe Psoriasis
Joel M. Gelfand, MD, MSCE
- 6:05 pm - 6:20 pm** Current Treatment Paradigms of Psoriatic Arthritis
Iain B. McInnes, FRCP, PhD, FRSE
- 6:20 pm - 6:35 pm** Translating Pathways to Clinical Cases
Joel M. Gelfand, MD, MSCE & Iain B. McInnes, FRCP, PhD, FRSE
- 6:35 pm - 6:45 pm** Questions and Answers

Complimentary Non-CME Symposium

THURSDAY, NOVEMBER 17, 2016

8:00 AM - 9:30 AM

Room 20

“Targeted mAb Therapies: Learning from the Past to Drive Innovation”

AbbVie sponsored Symposium

- 8:00 am - 8:15 am** Introduction
James Krueger, D. Martin Carter Professor in Clinical Investigation, The Rockefeller University



- 8:15 am - 8:35 am** **Through the Looking Glass of Targeted mAb Therapies**
Maureen Kelly, Group Medical Director, Pharmaceutical Development, AbbVie
- 8:35 am - 9:00 am** **Therapeutic Targeting of the IL-23 Axis: The Central Role of IL-23 in Psoriasis**
James Krueger, D. Martin Carter Professor in Clinical Investigation, The Rockefeller University
- 9:00 am - 9:20 am** **Engineering Therapeutic Antibodies - The Relationship of Structure to Function**
Paul Tebbey, Therapeutic Area Lead, Biotherapeutics and Gastroenterology, US Medical Affairs, AbbVie
- 9:20 am - 9:30 am** **Q&A/Summary**

Complimentary Non-CME Symposium

THURSDAY, NOVEMBER 17, 2016 **12:45 PM - 2:15 PM** **Room 20**

“Pathways to Personalized Medicine in Dermatology”

Speakers: Emma Guttman, MD, PhD & John Armstrong, PhD, Galderma Rx Strategic Programs
 Galderma sponsored Symposium

Agenda: Please see separate brochure.

Complimentary CME Symposium

FRIDAY, NOVEMBER 18, 2016 **12:15 PM- 1:45 PM** **Hosack Hall**

“New Frontiers and Clinical Advances in the Pathoimmunobiology of Atopic Dermatitis”

Funded by an independent educational grant from Sanofi Genzyme and Regeneron Pharmaceuticals

- 12:15 pm - 12:30 pm** **The Disease Burden of Atopic Dermatitis: The Unmet Need for New Therapies in Patients with Moderate-to Severe and/or Resistant AD—The Rationale and Necessity for Intervening in the Atopic March and Mitigating the Risk of Co-Morbid Conditions**
Emma Guttman, MD, PhD

- 12:30 pm - 12:55 pm** Currently Established and Emerging Therapies for Managing Patients Across the Disease Continuum of Atopic Dermatitis: From Topical to Systemic Therapies—Guideline-Focused Sequencing Strategies From the AD Toolkit
Mark Lebwohl, MD
- 12:55 pm - 1:15pm** The Pathoimmunobiology of Atopic Dermatitis: Translating Advances in Immunoscience into Actionable Pharmacologic Targets for Treatment of Inflammatory Disorders of the Skin
Emma Guttman, MD, PhD
- 1:15 pm - 1:40 pm** From Evidence to Clinical Action: Results and Translational Implications of Landmark Trials in Atopic Dermatitis: What Do the Trials Teach Us? What Are The Translational Implications for the Front Lines of Dermatology Practice?
Lisa A. Beck, MD
- 1:40 pm - 1:45 pm** Question & Answer Session/Faculty Roundtable

Complimentary CME Symposium

FRIDAY, NOVEMBER 18, 2016

4:00 PM - 5:30 PM

Hosack Hall

“Considerations for Future Treatment of Inflammatory Skin Disease: Immune Regulation, Cutaneous Tolerance, and T-cell Plasticity”

James G. Krueger, MD, PhD; Michael D. Rosenblum, MD, PhD; Vijay K. Kuchroo, PhD
Supported by educational grants from Janssen Biotech, Inc., administered by Janssen Scientific Affairs, LLC. and Novartis Pharmaceuticals Corporation

- 4:00 pm - 4:10 pm** Introduction: Tolerance, Immune Regulation, and Disease Interception
- 4:10 pm - 4:40 pm** Tregs, Immune Regulation in the Skin, and Tolerance
- 4:40 pm - 5:10 pm** T-cell Plasticity: A Focus on Th-17 T-cells
- 5:10 pm - 5:30 pm** Q & A



Complimentary CME Symposium

SATURDAY, NOVEMBER 19, 2016

8:30 AM - 10:00 AM

Hosack Hall

“Advances in Atopic Dermatitis: Expert Insights Into New and Emerging Therapies”

This activity is supported by an educational donation provided by Anacor Pharmaceuticals, Inc.

8:30 - 9:00 am

Registration

9:00 - 10:00 am

Clinical Program

Amy S. Paller, MD

- Epidemiology and Comorbidity
- Pathophysiology
- Diagnosis and Assessment
- Treatment Guidelines
- Current Topical Approaches: Mild to Moderate Disease
- Current Systemic Approaches: Severe AD
- Emerging Therapies
- Summary
- Q & A

Jointly provided

by the **Kimberly and Eric J. Waldman Mount Sinai**
Department of Dermatology

and the **Austrian Academy of Sciences.**



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