Roadmap Atopic Dermatitis at SID 2019

The International Eczema Council (IEC) created this guide to sessions and posters that address atopic dermatitis and eczema. Because scheduling changes may occur, SID attendees should reference on-site signage, the program book, and sidannualmeeting.org for the most current information.

SYMPOSIA AND CONCURRENT SYMPOSIA

WEDNESDAY, MAY 8, 2019

INTERNATIONAL ECZEMA COUNCIL (IEC)

Barrier
11:00 am – 2:00 pm in Continental C
11:05-11:10 am: Program Overview. Amy Paller, Chicago, IL.
11:10-11:30 am: Basic structure of the epidermis. Akiharo Kubo, Tokyo, Japan.
11:30-11:45 am: Role of ephrins in tight junction function. Bethany Perez White, Chicago, IL.
11:45-12:05 pm: Abstract Presentations Part I
  • Abstract #324: A potential role of galectin-7 as a stabilizer for IL-4/IL-13-induced barrier disruption in atopic dermatitis.
    Takatoshi Shimauchi, et al., Hamamatsu University School of Medicine, Hamamatsu, Japan.
  • Abstract #565 – Improvement in skin inflammation and barrier function biomarkers with crisaborole treatment in atopic dermatitis (AD).
    Emma Guttman-Yassky, Ana B. Pavel, et al., Icahn School of Medicine at Mount Sinai, New York, NY, USA.
12:05-12:25 pm: Lunch available for attendees
12:25-12:45 pm: Stratum corneum proteins. Matthias Schmuth, Innsbruck, Austria.
12:45-1:05 pm: Epidermal proteases. Alain Hovnanian, Paris France.
1:05-1:15 pm: Abstract Presentations Part II
  • Abstract #993: Molecular abnormalities of early-onset pediatric atopic dermatitis are captured by tape strips.
    Aisleen Diaz, et al., Icahn School of Medicine at Mount Sinai, New York, NY, USA.
1:15-1:35 pm: Epidermal lipids in health and disease. Jeroen van Smeden, Leiden, the Netherlands.
1:50-2:00 pm: Closing comments. Kenji Kabashima, Kyoto, Japan.
THURSDAY, MAY 9, 2019

CONCURRENT MINI-SYMPOSIUM 4

Interventional Studies, Clinical and Patient Reported Outcomes
1:30-4:00 pm in International Ballroom South
1:54 pm:
Abstract #560: KPL-716, anti-Oncostatin M receptor beta antibody, reduced pruritus in atopic dermatitis
Z. Mikhak, R. Bissonnette, D. Siri, S. K. Tyring, E. Tessari, R. Gandhi, F. Fang, and J. F. Paolini. Lexington, Massachusetts, USA; Montreal, Quebec, Canada; Normal, Illinois, USA and Houston, Texas, USA.
2:06 pm:
Abstract #586: Topical nitric oxide releasing therapy with 2% SB414 cream downregulated major gene expressions in patients with atopic dermatitis

FRIDAY, MAY 10, 2019

Pediatric Dermatology at the Society for Investigative Dermatology Meeting
7:00-8:30 am in Continental Ballroom B
7:40 am:
Immune Regulation of Atopic Dermatitis and Itch
Brian Kim, Washington University
8:10 am:
Abstract 484: Diversity and adaptation of s. aureus on lesions of children with atopic dermatitis
Maria Teresa Garcia Romero. National Institute for Pediatrics, Mexico.

Plenary Session II
9:45-10:45 am in International Ballroom North
10:21 am:
Abstract 193: Atopic eczema in adulthood and the risk of dementia: A population-based cohort study

CONCURRENT MINI-SYMPOSIUM 10

Neuro-Cutaneous Biology and Inflammation
3:21 pm in Continental Ballroom C
Abstract #644: Tweak/fn14 signaling pathway participates in experimental atopic dermatitis
Q. Liu, H. Wang, X. Wang, Y. Xia. Xi’an, Shaanxi, China
CONCURRENT MINI-SYMPOSIUM 11
Pharmacology and Drug Development
2:45-5:15 pm in Continental Ballroom B
3:21 pm:
Abstract 673: Real-world persistence with dupilumab among adults with atopic dermatitis (AD)
3:45 pm:
Abstract 714: Productivity losses in adults with atopic dermatitis (AD): A cross-sectional study from clinical practices in Europe and Canada

CONCURRENT MINI-SYMPOSIUM 12
Skin of Color
2:45-5:15 pm in Waldorf Room
3:09 pm:
Abstract 861: Association between keloids and atopic dermatitis: a cross-sectional study at a tertiary care center
A. C. Eseonu, R. Khanna, A. Basirat, D. Glass and S. G. Kwatra. Baltimore, Maryland, USA and Dallas, Texas, USA.
3:21 pm:
Abstract 850: Proteomic blood signature of African American patients with atopic dermatitis shows more prominent Th2 activation and Th1 attenuation compared to other ethnicities
H. He, R. Li, L. Zhou, S. Choi, Y. Estrada, J. G. Krueger and E. Guttman-Yassky. New York, New York, USA.

SATO Scientific Forum at SID
7:00-9:30 pm in International Ballroom North
Atopic Dermatitis – Evolving Pathogenesis and Therapeutics
Emma Guttman-Yassky. New York, New York, USA.

SATURDAY, MAY 11, 2019

CONCURRENT MINI-SYMPOSIUM 13
Innate Immunity, Microbiology, Microbiome
10:00-12:30 pm in International Ballroom North
10:12 AM-10:24 AM
10:12 am:
Abstract: 514 A tryptophan metabolite of the skin microbiota attenuates inflammation in atopic dermatitis via the aryl hydrocarbon receptor

10:24 am:
Abstract 473: Competition between AMP kingdoms in atopic dermatitis leads to depletion of the defense function of the skin microbiome against *S. aureus*
T. Nakatsuji, A. Butcher, J. Y. Cheng, F. Shafiq, T. Hata and R. L. Gallo. San Diego, California, USA.

CONCURRENT MINI-SYMPOSIUM 17
Translational Studies
10:00-12:30 pm in Continental Ballroom A
10:00 am:
Abstract 983: Fatty-acid-binding protein 5 induces Th17 polarization in atopic dermatitis patients with allergic march
J. Lee, B. Kim, H. Chu, J. Kim, S. Kim, Z. Sun, J. Park, T. Kupper, C. Park and K. Lee. Seoul, Korea (the Republic of) and Boston, Massachusetts, USA.

10:12 am:
Abstract 1016: Single-cell RNA-sequencing provides novel cell-specific molecular profiling in skin of atopic dermatitis patients and controls

10:24 am:
Abstract 1024: Upadacitinib treatment of atopic dermatitis patients leads to reductions in epidermal hyperplasia and cellular infiltrates

10:36 am:
Abstract 990: 0.005% hypochlorite reduces serine protease in cultured human keratinocytes and alleviates itch of atopic skin
C. Lan, S. Huang and Y. Chen. Kaohsiung, Taiwan.

Chinese Society for Investigative Dermatology (CSID) Research Forum
1:00-4:00 pm in Waldorf Room
3:02 pm:
Abstract #328: Expression of MRGPRX2(B2) on mast cells isupregulated in the skin lesion of atopic dermatitis
X. Luo, H. Wang, X. A. Chen, L. Feng. Children's Hospital of Chongqing Medical University, Chongqing.
POSTER AND EPOSTER SESSIONS

THURSDAY, MAY 9, 2019

POSTER SESSION I/COFFEE BREAK
10:45-12:45 pm Stevens Salons B/C/D

- Poster #074: Evolution of pathologic T-cell subsets in atopic dermatitis from infancy to adulthood
- Poster #174: Outpatient healthcare utilization patterns for atopic dermatitis among US children and adults
- Poster #214: Patterns of atopic eczema disease activity from birth through mid-adulthood in two British birth cohorts
- Poster #234: Atopic dermatitis is associated with distinct phenotypes in US adults
- Poster #246: The burden of atopic dermatitis in an underserved and diverse urban population: A pilot study
- Poster #248: Patient and physician perspectives in atopic dermatitis: a population-based cross-sectional study
- Poster #250: Skin comorbidities in children with atopic dermatitis: A population-based, cross-sectional analysis
- Poster #282: Eczema is associated with increased hospitalization rates in United States children
- Poster #324: A potential role of galectin-7 as a stabilizer for IL-4/IL-13-induced barrier disruption in atopic dermatitis
- Poster #328: Expression of MRGPRX2(B2) on mast cells is upregulated in the skin lesion of atopic dermatitis
- Poster #355: Validation of a novel patient-operated device for measuring skin barrier function in atopic dermatitis
- Poster #359: Lipidome alterations in psoriasis and atopic dermatitis
- Poster #419: GTEx-skin eQTLs and uncommon variants associated with decreased Involucrin expression are enriched with FLG LOF variants in atopic dermatitis
- Poster #453: Skin microbiota in children with atopic dermatitis and their dynamic changes during clinical treatment
- Poster #489: Apple cider vinegar: a promising adjunctive anti-staphylococcal treatment in atopic dermatitis
- Poster #505: Therapeutic activity of an anti-IL36R blocking antibody in inhibiting atopic dermatitis-like skin inflammation in mice
- Poster #515: Identification of CC188, a unique and predominant strain of Staphylococcus aureus in Japanese atopic dermatitis patients
- Poster #535: New regional dermatoses during dupilumab therapy for atopic dermatitis
- Poster #557: Patient-reported disease trajectory for adults with atopic dermatitis- A pilot study
- Poster #563: Prevention of atopic dermatitis using emollients for 6 months - Follow-up for 24 months
- Poster #559: Impact of atopic dermatitis on overall health-related quality of life and health utility scores in US adult patients
- Poster #601: Patient-reported outcomes in atopic dermatitis and psoriasis
- Poster #603: AD-DER emollient cream improves hydration and modulates vascularization in atopic dermatitis in vivo
- Poster #605: Efficacy and safety of dupilumab in adolescent patients with moderate-to-severe atopic dermatitis
- Poster #615: Dupilumab elicits rapid and sustained improvements in itch in adults with moderate-to-severe atopic dermatitis
- Poster #647: Basis for the link between atopic dermatitis and autism
- Poster #671: Discovery of LEO 39652 a novel PDE4 inhibitor for topical treatment of atopic dermatitis
- Poster #679: Pharmacological validation of a mouse model of atopic dermatitis induced by topical calcipotriol

SELECTED EPOSTER DISCUSSIONS I

Interventional Studies, Clinical, and Patient Reported Outcomes
11:15-12:15 pm in International South
11:15 am:
Abstract #565: Improvement in skin Inflammation and barrier function biomarkers with crisaborole treatment in atopic dermatitis (AD)
11:39 am:
Abstract #621: Dupilumab in adolescents with moderate-to-severe atopic dermatitis and a history of inadequate response, or intolerance to cyclosporine: subgroup analysis from a pivotal 16-week trial
A. S. Paller, E. L. Simpson, M. de Bruin-Weller, J. Weisman, B. Lockshin, T. Hultsch, Z. Chen, P. Mina-Osorio, A. B. Rossi, L. Eckert, A. Gadkari, and A. Bansal. Chicago, Illinois, USA, Portland, Oregon, USA, Utrecht, Netherlands; Atlanta, Georgia, USA; Rockville, Maryland, USA; Cambridge, Massachusetts, United States; Tarrytown, New York, USA; Chilly-Mazarin, France.

FRIDAY, MAY 10, 2019

SELECTED EPOSTER DISCUSSIONS II

Epidemiology
10:45-11:45 am in Stevens Salon D

10:51 am:

**Abstract #188: Predictors of healthcare utilization in US adults with atopic dermatitis**
J. Silverberg, J. M. Gelfand, D. J. Margolis, M. Boguniewicz, L. Fonacier, M. H. Grayson, P. Y. Ong, Z. C. Chiesa Fuxench, E. L. Simpson. Chicago, Illinois, USA; Philadelphia, Pennsylvania, USA; Denver, Colorado, USA; Mineola, New York, USA; Columbus, Ohio, USA; Los Angeles, California, USA; Portland, Oregon, USA.

11:33 am:

**Abstract #245: Validation and interpretation of short form 12 and comparison with dermatology life quality index in adult atopic dermatitis**
J. Silverberg, J. M. Gelfand, D. J. Margolis, M. Boguniewicz, L. Fonacier, M. H. Grayson, P. Y. Ong, Z. C. Chiesa, E. L. Simpson. Denver, Colorado, USA; Mineola, New York, USA; Columbus, Ohio, USA; Portland, Oregon, USA; Chicago, Illinois, USA; Los Angeles, California, USA; Philadelphia, Pennsylvania, USA.

**Neuro-Cutaneous Biology and Inflammation**
10:45-11:45 am in Continental Ballroom C

11:03 am:

**Abstract #661: Development of a novel humanized mouse model for atopic dermatitis**
A. Keren, C. Riethmüller, Y. Ullmann, R. Paus and A. Gilhar. Haifa, Israel; Münster, Germany; Miami, Florida, USA.

**Pharmacology and Drug Development**
10:45-11:45 am in Continental B

10:45 am:

**Abstract #701: High dimensional peripheral blood immune cell profiling of atopic dermatitis patients unveiled IL21 cytokine activation**

**POSTER SESSION II/COFFEE BREAK**
11:15-1:15 pm in Stevens Salons B/C/D

- **Poster #075: Effect of novel usnic acid derivative on atopic dermatitis**
- **Poster #183: Association of atopic dermatitis, ultraviolet radiation and climate factors: a systematic review and ecological meta-analysis**
- **Poster #225: Inflammatory dietary pattern and incident psoriasis, psoriatic arthritis, and atopic dermatitis in women: A cohort study**
- **Poster #239: Age of atopic dermatitis onset influences longitudinal disease control and persistence in children**
- **Poster #267: Regional disparities in healthcare utilization and costs of atopic dermatitis**
• Poster #279: Content analysis of psoriasis and eczema direct to consumer advertisements
• Poster #289: Characterization of three-dimensional in vitro human skin culture model mimicking atopic dermatitis
• Poster #297: KCa3.1-overexpression in skin causes pruritic eczema and epidermal hyperplasia
• Poster #716: TSLP induced atopic dermatitis-like skin inflammation in mice
• Poster #726: Induction of an atopic dermatitis-like phenotype in a full-thickness in vitro human skin model
• Poster #998: Ruxolitinib cream significantly modulates inflammatory profiles of atopic dermatitis patients

SELECTED EPOSTER DISCUSSIONS III

Innate Immunity, Microbiology, Microbiome
11:45-1:15 pm in Stevens Salon D
12:39 pm:
Abstract #484: Diversity and adaptation of S. aureus on lesions of children with atopic dermatitis
F. M. Key, C. Romo-González, A. Martínez-Gayosso, A. Gerónimo-Gallegos, T. C. Lynn, T. Lieberman, M. T. Garcia-Romero. Cambridge, Massachusetts, USA; Mexico City, Mexico

Translational Studies
11:45-1:15 pm in Continental A
11:51 am:
Abstract #1044: Human skin tissue-specific T cell dysregulation: A model for adult atopic dermatitis
C. Jack. Montreal, Quebec, Canada.
12:21 pm:
Abstract #993: Molecular abnormalities of early-onset pediatric atopic dermatitis are captured by tape strips.
New York, New York, USA; Chicago, Illinois, USA.

SATURDAY, MAY 11, 2019

POSTER SESSION III/COFFEE BREAK
12:45-2:45 pm Stevens Salons B/C/D
• Poster #915: Dietary grape powder inhibits atopic dermatitis-like skin lesions in NC/Nga mice