



SCIENTIFIC PROGRAM

2023

33RD BIENNIAL SYMPOSIUM

10-14 October 2023 Montréal, Canada

TUESDAY, 10 OCTOBER 2023

| | | |
|-------------------|-------------------|---------------------------|
| 6:00 pm – 8:30 pm | Registration Open | Ruelle des Fortifications |
| 6:30 pm – 8:30 pm | Welcome Reception | Les Voûtes |

WEDNESDAY, 11 OCTOBER 2023

| | | |
|---------------------|--|------------------------|
| 7:00 am – 12:30 pm | Registration Open | Nordheimer Foyer |
| 2:00 pm – 5:30 pm | | |
| 7:00 am – 8:00 am | Breakfast | Nordheimer Prefunction |
| 8:00 am – 10:00 am | Oral Abstract Session 1: Regulation of Allergic Inflammation <i>Chair: R. Stokes Peebles, Jr., United States</i> | A & S Nordheimer |
| 8:00 am – 8:20 am | Identification of a Human Th2 Multipotent Progenitor (Oral Abstract 1) <i>Patrick J. Brennan, United States</i> | |
| 8:20 am – 8:40 am | Epithelial-Intrinsic Defects In TGFβR Signaling Drive the Development of Eosinophilic Esophagitis (Oral Abstract 2) <i>Pamela Guerrero, United States</i> | |
| 8:40 am – 9:00 am | Preventive but not Therapeutic Administration of a Bacterial Lysate Suppresses Experimental Allergic Asthma (Oral Abstract 3) <i>Vadim Pivniouk, United States</i> | |
| 9:00 am – 9:20 am | Enhanced ST2 Expression is Associated with Pathogenicity in Treg Lacking PGI2 Signaling (Oral Abstract 4) <i>Allison E. Norlander, United States</i> | |
| 9:20 am – 9:40 am | IL-4Rα Signaling Drives Mast Cell-Derived Oncostatin M and an Innate Inflammatory Response in AERD (Oral Abstract 5) <i>Tanya M. Laidlaw, United States</i> | |
| 9:40 am – 10:00 am | Asthma-protective Agents in Dust from Traditional Farm Environments (Oral Abstract 6) <i>Donata Vercelli, United States</i> | |
| 10:00 am – 10:30 am | Break | Nordheimer Prefunction |
| 10:30 am – 11:20 am | Keynote Lecture: IgE, FcεRI, and Numbers <i>Chair: Bruce S. Bochner, United States</i> <i>Donald W. MacGlashan, Jr., United States</i> | A & S Nordheimer |
| 11:30 am – 12:30 pm | Oral Abstract Session 2: B Cells and Allergic Diseases <i>Chair: Mübeccel Akdis, Switzerland</i> | A & S Nordheimer |
| 11:30 am – 11:50 am | A Distinct Phenotype of Polarized Memory B Cell Holds IgE Memory (Oral Abstract 7) <i>Allyssa Phelps, Canada</i> | |
| 11:50 am – 12:10 pm | Pathogenic IgE-Fated B Cell Memory Retains Functional Plasticity (Oral Abstract 8) <i>Atai Ariaz, Canada</i> | |
| 12:10 pm – 12:30 pm | Antibody Affinity Birth Through Somatic Hypermutation (Oral Abstract 9) <i>Duane Wesemann, United States</i> | |
| 12:30 pm – 2:00 pm | Lunch | Chez Plum |
| 12:30 pm – 2:00 pm | Satellite Symposium: A Focus on Type 2 Inflammation in Disease <i>Leonard Bacharier, United States</i> <i>Sponsored by Sanofi & Regeneron.</i> <i>Lunch provided</i> | Les Voûtes |

ACCESS THE DIGITAL
ABSTRACT BOOK HERE:



WEDNESDAY, 11 OCTOBER 2023

| | | |
|--------------------------|--|------------------------|
| 2:00 pm – 3:40 pm | Oral Abstract Session 3: Type 2 Inflammation Pathobiology <i>Chair: Sven-Erik Dahlén, Sweden</i> | A & S Nordheimer |
| 2:00 pm – 2:20 pm | Platelet-Derived Cysteinyl Leukotrienes Drive Sexually Dimorphic Features of Type 2 Inflammation (Oral Abstract 10) <i>Joshua A. Boyce, United States</i> | |
| 2:20 pm – 2:40 pm | House Dust Mite Allergen Induces PAR-1 Dependent Release of Calcitonin-Gene Related Peptide from Cultured Human Pulmonary Neuroendocrine Cells (Oral Abstract 11) <i>Paul Forsythe, Canada</i> | |
| 2:40 pm – 3:00 pm | Oxidatively Driven Programmed Cell Death and Mitophagic Survival Converge to Alter Epithelial Cell Phenotypes and Function of Relevance to Asthma (Oral Abstract 12) <i>Sally E. Wenzel, United States</i> | |
| 3:00 pm – 3:20 pm | Contribution of Oleoylethanolamide and CB2 receptor in Eosinophilic Airway Inflammation of Bronchial Asthma (Oral Abstract 13) <i>Ga Young Ban, Korea</i> | |
| 3:20 pm – 3:40 pm | Mechanism of Innate Memory Formation in ILC2s and its Relevance for Asthma (Oral Abstract 14) <i>Rafeul Alam, United States</i> | |
| 3:40 pm – 4:00 pm | Break | Nordheimer Prefunction |
| 4:00 pm – 4:50 pm | Relaxing Lecture: Misinformation: The Battle Continues! <i>Chair: Judah Denburg, Canada</i> <i>Timothy Caulfield, Canada</i> | A & S Nordheimer |
| 5:00 pm – 5:30 pm | Poster Lightning Round 1 <i>Chair: Jean Marshall, Canada</i> | A & S Nordheimer |
| 5:00 pm – 5:03 pm | Dysregulated Immune Landscape of Persistent COVID19 Olfactory Dysfunction (Poster 5) <i>Lora Bankova, United States</i> | |
| 5:03 pm – 5:06 pm | Why African American Children with Food Allergy have Higher Risk of Asthma: Studying the Interrelated Links of Health Disparities, Environment and Microbiome (Poster 9) <i>Mahboobeh Mahdavinia, United States</i> | |
| 5:06 pm – 5:09 pm | Characterization of a T follicular Helper Cell Subset in a Monogenic form of Food Allergy (Poster 11) <i>Stephanie C. Eisenbarth, United States</i> | |
| 5:09 pm – 5:12 pm | Receptor-Ligand Interaction Between GPR15+ T Cells and GPR15L May Facilitate the Extravasation of T Cells Into the Esophageal Mucosa in Eosinophilic Esophagitis (EoE) (Poster 15) <i>Moumita Bhowmik, United States</i> | |
| 5:12 pm – 5:15 pm | Drug-induced Anaphylaxis Uncommon Among 252 Patients with Mastocytosis (Poster 63) <i>Theo Gülen, Sweden</i> | |
| 5:15 pm – 5:18 pm | Risk of Childhood Wheeze and Asthma Associated with Grandparental Asthma in a Three Generations Cohort (Poster 17) <i>Syed H. Arshad, United Kingdom</i> | |
| 5:18 pm – 5:21 pm | Taurine and Sphingolipid Metabolites Identify Unique Response Signatures to Omalizumab and Mepolizumab in Asthma (Poster 19) <i>Ayobami Akenroye, United States</i> | |
| 5:21 pm – 5:24 pm | Elucidation of the Underlying Mechanism of Itching in Atopic Dermatitis (Poster 35) <i>Kenji Izuhara, Japan</i> | |
| 5:24 pm – 5:27 pm | Cytokine Stimulation of Airway Mucins (Poster 37) <i>Kristina Johansson, Sweden</i> | |
| 5:27 pm – 5:30 pm | Maternal Atopic History is Associated with Decreased TLR2 and GM-CSFR Expression on Infant Hematopoietic Progenitor Cells (Poster 39) <i>David M. Putman, Canada</i> | |

ACCESS THE DIGITAL
ABSTRACT BOOK HERE:



WEDNESDAY, 11 OCTOBER 2023

| 5:30 pm – 7:30 pm | Poster Session 1 | 2nd Floor |
|-------------------|--|-----------------------------------|
| | COVID-19 and Allergic Disease | C.S. Stratton / C. Sherwood S. |
| Poster 1 | SARS-CoV-2 Infection in Pregnancy Alters Maternal and Cord Blood Immune Cell Composition and Function at Delivery <i>David M. Putman, Canada</i> | |
| Poster 3 | Characterizing the Release of the Proinflammatory Cytokine TSLP from Lung Epithelial Cells in Response to SARS-CoV-2 Infection <i>Luke Gerla, Canada</i> | |
| Poster 5 | Dysregulated Immune Landscape of Persistent COVID19 Olfactory Dysfunction <i>Lora Bankova, United States</i> | |
| Poster 7 | Effects of Age and Wildfire Smoke Exposure on Anti-SARS-CoV-2 Vaccine Immunity: Role of Natural Killer Cells <i>Gursharan Kaur Sanghar, United States</i> | |
| | Food and Drug Allergies and Gastrointestinal Disorders | C.S. Stratton / C. Sherwood S. |
| Poster 9 | Why African American Children with Food Allergy have Higher Risk of Asthma: Studying the Interrelated Links of Health Disparities, Environment and Microbiome <i>Mahboobeh Mahdavinia, United States</i> | |
| Poster 11 | Characterization of a T follicular Helper Cell Subset in a Monogenic form of Food Allergy <i>Stephanie C. Eisenbarth, United States</i> | |
| Poster 13 | Dietary Intervention in LTP Allergic Patients: Safety and Clinical Response <i>Maria J. Torres, Spain</i> | |
| Poster 15 | Receptor-Ligand Interaction Between GPR15+ T Cells and GPR15L May Facilitate the Extravasation of T Cells into the Esophageal Mucosa in Eosinophilic Esophagitis (EoE) <i>Moumita Bhowmik, United States</i> | |
| | Genomics, Environmental Factors and Precision Medicine | S. Bernhardt |
| Poster 17 | Risk of Childhood Wheeze and Asthma Associated with Grandparental Asthma in a three generations cohort <i>Syed H. Arshad, United Kingdom</i> | |
| Poster 19 | Taurine and Sphingolipid Metabolites Identify Unique Response Signatures to Omalizumab and Mepolizumab in Asthma <i>Ayobami Akenroye, United States</i> | |
| Poster 21 | Transcriptional Gene Networks in the Lungs of Mice Exposed to Asthma-Protective Microbial Agents: A Comparative Analysis <i>Sydney VanLinden, United States</i> | |
| Poster 23 | Epidemiological Transition of Wheezing-associated Viruses. The Role of New Viruses <i>Alejandra Osorio Martínez, Mexico</i> | |
| | Pathophysiology of Allergic Disorders and Inflammation | S. Bernhardt |
| Poster 27 | Which is Important for the Pathogenesis of Allergic Bronchopulmonary Aspergillosis/Mycosis, IgE or Eosinophils? <i>Koichiro Asano, Japan</i> | |
| Poster 29 | Trained Immunity and Macrophage Reprogramming in Allergic Asthma <i>Jiu-Yao Wang, Taiwan</i> | |
| Poster 31 | Exploring the Therapeutic Potential of Probiotic-Derived Glyceraldehyde-3-Phosphate Dehydrogenase (GAPDH) Protein as an Anti-Allergy Agent <i>Pei-Chi Chen, Taiwan</i> | |

ACCESS THE DIGITAL
ABSTRACT BOOK HERE:



WEDNESDAY, 11 OCTOBER 2023

- Poster 33** Impact of Circulating Angiotensin II and Angiostatin on Clinical Variables in Patients with Asthma
An Soo Jang, Korea
- Poster 35** Elucidation of the Underlying Mechanism of Itching in Atopic Dermatitis
Kenji Izuwara, Japan
- Poster 37** Cytokine Stimulation of Airway Mucins
Kristina Johansson, Sweden
- Poster 39** Maternal Atopic History is Associated with Decreased TLR2 and GM-CSFR Expression on Infant Hematopoietic Progenitor Cells
David M. Putman, Canada
- Poster 41** Growth Patterns and Asthma in Early Childhood: The CHILD Cohort Study
Padmaja Subbarao, Canada
- Poster 43** Relevance of sIgE and sIgG4 to Cat and Dust Mite Allergens in relation to Asthma in the Project Viva Birth Cohort: The Modified Th2 Response Revisited
Thomas A.E. Platts-Mills, United States
- Poster 45** Circulating MicroRNA in Different Courses of Atopic Dermatitis
Nadine Herrmann, Germany
- Poster 47** Combined Metagenomic - and Culture-Based Approaches to Investigate Bacterial Strain-Level Associations with Medication-Controlled Mild-Moderate Atopic Dermatitis
Anne Marie Singh, United States
- Poster 49** Overexpression of miR-29b in Bronchial Biopsies from Individuals with Asthma Coincides with Reduced Levels of Soluble ST2 in Bronchial Lavage Fluid
Madeleine Rådinger, Sweden
- Poster 51** Demographic Encoded Phenotypes in Atopic Dermatitis and Related QoL- Cross Sectional Results from the ProRaD-study in 1011 patients
Laura Maintz, Germany
- Poster 53** Characterization of Extracellular Vesicles in the Peripheral Blood Of Atopic Dermatitis Patients
Pierre-Yves Mantel, Switzerland
- Poster 55** Oxidative-stress-induced Glucocorticoid Insensitivity in Human Airway Smooth Muscles In Vitro and Asthmatic Rhesus Macaques In Vivo
Angela Haczku, United States
- Poster 57** CFTR Regulates Airway Epithelial IL-33 Release and IL-33 Dependent Inflammation
R. Stokes Peebles Jr., United States

Urticaria, Angioedema, Anaphylaxis, Mastocytosis and Mast Cell Activation Disorders

S. Bernhardt

- Poster 59** Hereditary α -tryptasemia is Associated with Increased Risk for Anaphylaxis to Antibiotics and Biological Agents
Peter Korosec, Slovenia
- Poster 61** Minding the Gap Between Anaphylaxis Guidelines and Clinical Practice in Emergency Departments Across Age Groups
Tsung-Chieh Yao, Taiwan
- Poster 63** Drug-induced Anaphylaxis Uncommon Among 252 Patients with Mastocytosis
Theo Gülen, Sweden
- Poster 65** Differential Urinary Mast Cell Mediators in Mastocytosis, Hereditary Alpha Tryptasemia and Atopic Patients
Mariana C. Castells, United States
- Poster 67** Treatment with the KIT Antibody Barzolvolimab Leads to a Profound Depletion of Skin Mast Cells and to Novel Insights into the Therapy of Mast Cell-driven Diseases
Diego Alvarado, United States

ACCESS THE DIGITAL
ABSTRACT BOOK HERE:



THURSDAY, 12 OCTOBER 2023

| | | |
|---|---|--|
| 7:00 am – 12:15 pm 5:00 pm – 5:30 pm | Registration Open | Nordheimer Foyer |
| 7:00 am – 8:00 am | Breakfast | Nordheimer Prefunction |
| 8:00 am – 9:20 am | Oral Abstract Session 4: Mast Cells <i>Chair: Stephen Galli, United States</i> | A & S Nordheimer |
| 8:00 am – 8:20 am | Defining the Expression and Function of Siglec-9 and its Ligands on Mast Cells (Oral Abstract 15) <i>Adrian Piliponsky, United States</i> | |
| 8:20 am – 8:40 am | Human Intraepithelial Mast Cell Differentiation and Effector Function are Directed by TGF-β Signaling (Oral Abstract 16) <i>Daniel F. Dwyer, United States</i> | |
| 8:40 am – 9:00 am | IgG:FcγR1b Signals Block Effector Programs of IgE:FcϵR1-activated Mast Cells (Oral Abstract 17) <i>Cynthia Kanagaratham, United States</i> | |
| 9:00 am – 9:20 am | Activation of the Mas-Related G protein-Coupled Receptor MRGPRX2 with Substance P Analogs Demonstrates the Importance of Key Residues (Oral Abstract 18) <i>Marianna Kulka, Canada</i> | |
| 9:20 am – 10:00 am | Break | Nordheimer Prefunction |
| 10:00 am – 10:50 am | Carl Prausnitz Lecture: Insights into Atopic Dermatitis <i>Chair: Donata Vercelli, United States</i> <i>Raif Geha, United States</i> | A & S Nordheimer |
| 11:00 am – 12:15 pm | Pro/Con Debate: Biologics have Solved the Problem of Type 2 Asthma <i>Chair: Stephen T. Holgate, United Kingdom</i> <i>Pro: Parameswaran Nair, Canada</i> <i>Con: Sally E. Wenzel, United States</i> <i>Lunch provided</i> | A & S Nordheimer |
| 12:30 pm – 4:30 pm | Optional Boat Ride (extra fee) | Board buses at the main entrance of the InterContinental Hotel |
| 5:00 pm – 5:30 pm | Poster Lightning Round 2 <i>Chair: Roma Sehmi, Canada</i> | A & S Nordheimer |
| 5:00 pm – 5:03 pm | Allergen-specific Type 2 Memory B Cells in Bee Venom Allergy are Modified Following Ultra-Rush Immunotherapy (Poster 2) <i>Menno C. Van Zelm, Australia</i> | |
| 5:03 pm – 5:06 pm | Novel Variants of Epitope 1 of Ara h 2 have Enhanced IgE Binding that Varies Among Subjects (Poster 14) <i>Stephen C. Dreskin, United States</i> | |
| 5:06 pm – 5:09 pm | Neuregulin-1 Partially Overcomes the Requirement for CD11c Expressing Cells to Survive a Respiratory Viral Infection (Poster 18) <i>Mitchell H. Grayson, United States</i> | |
| 5:09 pm – 5:12 pm | The Dermal Fibroblast Phenotype Determines Skin Mast Cell Reactivity (Poster 28) <i>Anna Di Nardo, United States</i> | |
| 5:12 pm – 5:15 pm | TSLP Trafficking in Allergen-Treated Airway Epithelial Cells: Colocalization with Rab11a Guanosine Triphosphatase (Poster 26) <i>Marc Duchesne, Canada</i> | |
| 5:15 pm – 5:18 pm | Comprehensive Profiling of Lipid Mediator Metabolites in Human Lung Mast Cells Reveals Selective Production Following IgE-dependent Activation (Poster 30) <i>Anna-Karin Johnsson, Sweden</i> | |
| 5:18 pm – 5:21 pm | Annexin A1 is a Cell-Intrinsic Regulator of Human Group 2 Innate Lymphoid Cells Via Zinc (Poster 38) <i>Hiroki Kabata, Japan</i> | |
| 5:21 pm – 5:24 pm | Metabolomics of Circulating Human Memory CD4+T effector and T regulatory Cells Reveals that Phenylalanine is a Metabolic Checkpoint of Pathogenic Th2 Cells Development (Poster 42) <i>Milena Sokolowska, Switzerland</i> | |
| 5:24 pm – 5:27 pm | Effective Delivery of miR-511-3p with Mannose-Decorated Exosomes with RNA Nanoparticles Confers Protection against Asthma (Poster 50) <i>Peisong Gao, United States</i> | |
| 5:27 pm – 5:30 pm | A Surfactant Protein-A Peptide Modulates Responses to Interleukin-13 in Asthma and Offers a Novel Therapeutic Alternative (Poster 56) <i>Monica Kraft, United States</i> | |

THURSDAY, 12 OCTOBER 2023

| 5:30 pm – 7:30 pm | Poster Session 2 | 2nd Floor |
|-------------------|--|--------------------------------|
| | Allergen Specific Immunotherapy | C.S. Stratton / C. Sherwood S. |
| Poster 2 | Allergen-specific Type 2 Memory B Cells in Bee Venom Allergy are Modified Following Ultra-Rush Immunotherapy <i>Menno C. Van Zelm, Australia</i> | |
| Poster 4 | Modified Tree Nut Desensitization Protocol in Real-World Clinical Practice <i>Adnan M. Al Ali, Canada</i> | |
| Poster 6 | Uniform Pulse of Th2 IL-6 Signaling and IL-10-Producing B Cells Marks the Initial Immune Switch in Insect Venom Allergen Immunotherapy <i>Markus Ollert, Luxembourg</i> | |
| Poster 8 | Allergen-Neutralizing IgG Rapidly Rises In Dogs Vaccinated With Der f 2-Expressing Bioparticles <i>Guy Tropper, Canada</i> | |
| | Allergens and Diagnosis of Allergy | C.S. Stratton / C. Sherwood S. |
| Poster 10 | In 12 Years Skin Prick Test Sensitization in Mexican Patients with Respiratory Allergy Increased and Differs Between Humid and Dry Zones <i>Désirée E. Larenas Linnemann, Mexico</i> | |
| Poster 12 | Rapid Point-of-care Detection of EPX in Sputum <i>Parameswaran Nair, Canada</i> | |
| Poster 14 | Novel Variants of Epitope 1 of Ara h 2 Have Enhanced IgE Binding That Varies Among Subjects <i>Stephen C. Dreskin, United States</i> | |
| Poster 16 | Developing a Pipeline for the Characterization of Allergen Content and Adjuvant Activity of Allergen-Displaying Plant Bioparticles <i>Lorenz Aglas, Austria</i> | |
| | Dendritic Cells, Mast Cells, Monocytes/Macrophages, Neutrophils, Eosinophils, Basophils and Epithelial Cells | S. Bernhardt |
| Poster 18 | Neuregulin-1 Partially Overcomes the Requirement for CD11c Expressing Cells to Survive a Respiratory Viral Infection <i>Mitchell H. Grayson, United States</i> | |
| Poster 20 | Muscarinic M3 Receptor Involves in the Differentiation of M2 Macrophage in Allergic Airway Inflammation <i>Shin Ohta, Japan</i> | |
| Poster 22 | Exosomal Let-7-mediated Regulation of Lipid Metabolism in Foamy Macrophage of Chronic Obstructive Pulmonary Disease (COPD) <i>Miao-Hsi Hsieh, Taiwan</i> | |
| Poster 24 | Expression and Functions of Proteinase-Activated Receptor-2 in Human Intermediate Monocytes <i>Harissios Vliagoftis, Canada</i> | |
| Poster 26 | TSLP Trafficking in Allergen-Treated Airway Epithelial Cells: Colocalization with Rab11a Guanosine Triphosphatase <i>Marc Duchesne, Canada</i> | |
| Poster 28 | The Dermal Fibroblast Phenotype Determines Skin Mast Cell Reactivity <i>Anna Di Nardo, United States</i> | |
| Poster 30 | Comprehensive Profiling of Lipid Mediator Metabolites in Human Lung Mast Cells Reveals Selective Production Following IgE-dependent Activation <i>Anna-Karin Johnsson, Sweden</i> | |
| Poster 32 | A Novel Isoprenylation Inhibitor Suppresses Asthma-related Mast Cell Function <i>John J. Ryan, United States</i> | |
| Poster 34 | How Flexible are Neutrophils to Opposing Signals? <i>Paola Andrea Martinez Murillo, Switzerland</i> | |
| Poster 36 | Interleukin-5 Modifies The Expression Of Selected Interleukin-6 Family Members By Human Mast Cells And Enhances Mast Cell Interferon Responses <i>Jean Marshall, Canada</i> | |

THURSDAY, 12 OCTOBER 2023

Lymphocytes and Mediators of Immunoregulation

S. Bernhardt

- Poster 38** Annexin A1 is a Cell-Intrinsic Regulator of Human Group 2 Innate Lymphoid Cells Via Zinc
Hiroki Kabata, Japan
- Poster 40** Neuromedin-U/ NMU-R1 Axis Mediates Rapid Activation of Group 2 Innate Lymphoid Cells in the Airways following inhaled Allergen Challenge in Subjects with Mild Asthma
Roma Sehmi, Canada
- Poster 42** Metabolomics of Circulating Human Memory CD4+T effector and T regulatory Cells Reveals that Phenylalanine is a Metabolic Checkpoint of Pathogenic Th2 Cells Development
Milena Sokolowska, Switzerland
- Poster 44** Differences In Th2 Population Sizes Between Atopic and Non-atopic Toddlers are not Established Until 36 Months of Age
Caitlin M. Burk, United States
- Poster 46** Elevated CD27-IgD Double Negative B Cells in Eosinophilic Granulomatosis with Polyangiitis Patients Associated with Serum Anca Status
Nadia Suray Tan, Canada
- Poster 48** Histidine Decarboxylase Expression in Human CD4 T cells
Binh Nguyen, Canada

Treatment of Non-Allergic Immune Disorders

S. Bernhardt

- Poster 50** Effective Delivery of miR-511-3p with Mannose-Decorated Exosomes with RNA Nanoparticles Confers Protection against Asthma
Peisong Gao, United States
- Poster 52** New Outcomes on the Role of Histamine H₂R and Gilz Anti-inflammatory Effects in Bleomycininduced Pulmonary Fibrosis Model
Laura Lucarini, Italy
- Poster 54** High Prevalence of Airway Hyperresponsiveness Among Adults with Symptomatic Asthma and Comorbid Obesity
Katherine Cahill, United States
- Poster 56** A Surfactant Protein-A Peptide Modulates Responses to Interleukin-13 in Asthma and Offers a Novel Therapeutic Alternative
Monica Kraft, United States
- Poster 58** The Concept of Disease Modification in Atopic Dermatitis: Scientific and Regulatory Challenges for Drug Discovery and Development
Thomas Bieber, Germany
- Poster 60** Characterization of Intrinsic Atopic Dermatitis Revisited using Multiplex Allergy Diagnostics
Thomas Bieber, Germany
- Poster 62** The Severity of Allergic Rhinitis is Related to Sleep Disturbances in Korean Children and Adolescents
Yeong Ho Rha, Korea

ACCESS THE DIGITAL
ABSTRACT BOOK HERE:



FRIDAY, 13 OCTOBER 2023

| | | |
|---|---|------------------------|
| 7:00 am – 12:30 pm 2:00 pm – 5:30 pm | Registration Open | Nordheimer Foyer |
| 7:00 am – 8:00 am | Breakfast | Nordheimer Prefunction |
| 8:00 am – 10:00 am | Oral Abstract Session 5: Mechanisms of Asthma <i>Chair: Sally E. Wenzel, United States</i> | A & S Nordheimer |
| 8:00 am – 8:20 am | A Novel Machine Learning Pipeline Reveals Pathogenic Determinants of Systemic Adaptive Responses to Rhinovirus in Patients with Asthma (Oral Abstract 19) <i>Judith A. Woodfolk, United States</i> | |
| 8:20 am – 8:40 am | Non-Type 2 Inflammatory Markers Predict Post-Operative Nasal Polyp Recurrence in Aspirin-Exacerbated Respiratory Disease (Oral Abstract 20) <i>Kathleen M. Buchheit, United States</i> | |
| 8:40 am – 9:00 am | Plasma Siglec-6 as a Potential New Biomarker in Systemic Mastocytosis (Oral Abstract 21) <i>Gunnar Nilsson, Sweden</i> | |
| 9:00 am – 9:20 am | Nasal Gene Expression Patterns Predict Responsiveness to Mepolizumab Therapy in Urban Children with Exacerbation Prone Asthma (Oral Abstract 22) <i>Daniel J. Jackson, United States</i> | |
| 9:20 am – 9:40 am | Direct Activation of Airway Sensory C-fibers by SARS-CoV-2 Spike Protein (Oral Abstract 23) <i>Bradley J. Udem, United States</i> | |
| 9:40 am – 10:00 am | Non-T2 cytokines, IL-1β and IL-18 Drive Plasticity of Airway ILC2 to Intermediate ILC2/3 Phenotype in Severe Asthma with Neutrophilic or Mixed Granulocytic Bronchitis (Oral Abstract 24) <i>Roma Sehmi, Canada</i> | |
| 10:00 am – 10:30 am | Break | Nordheimer Prefunction |
| 10:30 am – 11:30 am | Oral Abstract Session 6: Precision Medicine in Allergy <i>Chair: Thomas Bieber, Germany</i> | A & S Nordheimer |
| 10:30 am – 10:50 am | In Vivo Monitoring of Allergen-Specific Memory B-Cells: Tracking Development and Persistence (Oral Abstract 25) <i>Willem Van de Veen, Switzerland</i> | |
| 10:50 am – 11:10 am | Tackling Allergy with Genome Engineering: Deleting Cat Allergen Fel d 1 Using CRISPR Editing (Oral Abstract 26) <i>Nicole Brackett, United States</i> | |
| 11:10 am – 11:30 am | Janus Kinase Inhibitors Partly Restore the Toll-like Receptor 2 Responsiveness in Desensitized Human Langerhans Cells Via Down-regulation of Inhibitory Suppressor of Cytokine Signaling 1, but not Interleukin-1 Receptor Associated Kinase M (Oral Abstract 27) <i>Nadine Herrmann, Germany</i> | |
| 11:45 am – 12:30 pm | CIA Business Meeting | A & S Nordheimer |
| 12:30 pm – 2:00 pm | Lunch | Chez Plum & Les Voûtes |
| 2:00 pm – 2:50 pm | Paul Kallos Memorial Lecture: Microbial Future-proofing - How Early Life Microbiomes Shape Immune Function and Childhood Allergy <i>Chair: Joshua Boyce, United States</i> <i>Susan Lynch, United States</i> | A & S Nordheimer |
| 2:50 pm – 3:15 pm | Break | Nordheimer Prefunction |

ACCESS THE DIGITAL
ABSTRACT BOOK HERE:



FRIDAY, 13 OCTOBER 2023

| 3:15 pm – 5:15 pm | Oral Abstract Session 7: Environmental Factors and Pathophysiology <i>Chair: Thomas A.E. Platts-Mills, United States</i> | A & S Nordheimer |
|-------------------|--|---------------------------|
| 3:15 pm – 3:35 pm | Allergen Exposure in Early Life is Associated with Systemic Immune Development in Disadvantaged Urban Children (Oral Abstract 28) <i>James E. Gern, United States</i> | |
| 3:35 pm – 3:55 pm | Milk-Responsive T cells in Eosinophilic Esophagitis Display Unique Disease-Associated Cytokine Profiles in Both Tissue and Peripheral Blood (Oral Abstract 29) <i>Cecilia Berin, United States</i> | |
| 3:55 pm – 4:15 pm | Human Germline Heterozygous Gain-of-Function STAT6 Variants Cause Severe Allergic Disease (Oral Abstract 30) <i>Stuart Turvey, Canada</i> | |
| 4:15 pm – 4:35 pm | Patients with Aspirin Exacerbated Respiratory Disease are More Likely to have a Mixed Endotype and the R Allele of the Q576R Polymorphism than Patients with Chronic Rhinosinusitis with Nasal Polyps (Oral Abstract 31) <i>Whitney Stevens, United States</i> | |
| 4:35 pm – 4:55 pm | Specific B cell Responses in Allergen-specific Immunotherapy (Oral Abstract 32) <i>Mubeccel Akdis, Switzerland</i> | |
| 4:55 pm – 5:15 pm | Human IgE Monoclonal Antibody Interactions with Mite Allergen Der p 2 Define the Structural Basis for Anaphylaxis In Vivo (Oral Abstract 33) <i>Anna Pomés, United States</i> | |
| 7:00 pm | Gala Dinner | Ruelle des Fortifications |

ACCESS THE DIGITAL
ABSTRACT BOOK HERE:



SATURDAY, 14 OCTOBER 2023

| | | |
|---------------------|--|------------------------|
| 7:00 am – 12:00 pm | Registration Open | Nordheimer Foyer |
| 7:00 am – 8:00 am | Breakfast | Nordheimer Prefunction |
| 8:00 am – 10:00 am | Oral Abstract Session 8: Allergen Exposure and Immunotherapy <i>Chair: Hans Oettgen, United States</i> | A & S Nordheimer |
| 8:00 am – 8:20 am | Plant-based Enveloped Ara h 2 Bioparticles Display Exceptional Hypo-allergenicity and Activate Human Dendritic Cells to Promote Th1 Cell Development (Oral Abstract 34) <i>Charlotte Castenmiller, Netherlands</i> | |
| 8:20 am – 8:40 am | Oral Immunotherapy in Children Aged 1 to <4 Years with Peanut Allergy: POSEIDON Trial Outcomes, Including Age Stratification (Oral Abstract 35) <i>Andrea Vereda, Switzerland</i> | |
| 8:40 am – 9:00 am | The Effect of Treatment Duration on Efficacy During Oral Immunotherapy Using Heat-Modified Peanut: Results from the BOPI (Boiled Peanut Oral Immunotherapy) Study (Oral Abstract 36) <i>Nandinee Patel, United Kingdom</i> | |
| 9:00 am – 9:20 am | KLRG1 ^{hi} IL17Rb1 ⁺ ILC2s Precede Eosinophil Recruitment into Remote Lungs Following Systemic Allergen Sensitization and Oral Allergen Challenge (Oral Abstract 37) <i>Lisa A. Spencer, United States</i> | |
| 9:20 am – 9:40 am | IgA Exhibits Calcium- and Sialic Acid-dependent Binding to Mast Cells and Inhibits IgE-mediated Activation in an Antigen-Specific Fashion (Oral Abstract 38) <i>Yasmeen S. El Ansari, United States</i> | |
| 9:40 am – 10:00 am | Characterizing Allergenicity and Immunogenicity of a Novel Peanut Allergen-Containing Enveloped Bioparticle (Oral Abstract 39) <i>Karina E. Canziani, United States</i> | |
| 10:00 am – 10:30 am | Break | Nordheimer Prefunction |
| 10:30 am – 11:30 am | Presidential Lecture: The Long and Winding Road to Siglec-based Therapeutic Strategies <i>Chair: Thomas Bieber, Germany</i> <i>Bruce S. Bochner, United States</i> | A & S Nordheimer |
| 11:30 am – 11:45 am | Closing Remarks <i>Thomas Bieber, Germany</i> <i>Judah Denburg, Canada</i> | A & S Nordheimer |

ACCESS THE DIGITAL
ABSTRACT BOOK HERE:





■ INTERNATIONALE ■
COLLEGIUM ■ **CIA** ■ ALLERGOLOGICUM ■