



12th Biennial Symposium of the International Eosinophil Society

11-15 July 2023
Hamilton, Ontario, Canada

FINAL PROGRAM



Tuesday, 11 July 2023

7:00 am – 7:30 pm	Registration Open	2 nd Floor Foyer
6:00 pm – 7:30 pm	Welcome to the 12th Biennial Symposium of the International Eosinophil Society <i>Chair: Mark Larché, Canada</i>	Auditorium
6:00 pm – 6:05 pm	Welcome from the International Eosinophil Society <i>Florence Roufosse, Belgium</i>	
6:05 pm – 6:15 pm	Welcome from McMaster University <i>Paul M. O'Byrne, Canada</i>	
6:15 pm – 6:45 pm	Welcome Lecture: The Clinical Biology of Eosinophils: A Saga <i>Judah A. Denburg, Canada</i>	
6:45 pm – 7:15 pm	What Have We Learned about Eosinophils and Eosinophilic Disorders from Eosinophil-Targeted Therapeutics <i>Gail M. Gauvreau, Canada</i>	
7:30 pm – 9:30 pm	Welcome Reception	Art Gallery of Hamilton 123 King Street West, Hamilton

Wednesday, 12 July 2023

6:30 am – 12:30 pm	Registration Open	2 nd Floor Foyer
3:30 pm – 7:30 pm		
6:30 am – 8:00 am	Breakfast	2 nd Floor Foyer & 2024 Hallway
7:00 am – 8:00 am	Breakfast Breakouts	
	Breakfast Breakout 1: Roles in Academic Leadership 2017 <i>William W. Busse, United States; Allison D. Fryer, United States; Paul M. O'Byrne, Canada</i>	
	Breakfast Breakout 2: Career Progression in the World of Eosinophils 2018 <i>Fei Li Kuang, United States; Manali Mukherjee, Canada</i>	
	Breakfast Breakout 3: Alternate Non-Academic Career Paths 2019 <i>Claudia Hui, Canada; Dan Moldaver, Canada</i>	
	Breakfast Breakout 4: Transition to Academic Independence 2023 <i>Jean Marshall, Canada; Lisa A. Spencer, United States</i>	
8:00 am – 10:00 am	Session 1: Regulation of Eosinophil Development Auditorium <i>Chairs: Sergejs Berdnikovs, United States & Zhenying (Jane) Nie, United States</i>	
8:00 am – 8:25 am	State-of-the-Art: 'Haeckel'ing Evolution of Eosinophils and Function: "Ontogeny Recapitulates Phylogeny"... or Does It? (Speaker Abstract 1) <i>Steven J. Ackerman, United States</i>	
8:25 am – 8:45 am	Cutting-Edge: Metabolic Reprogramming and Stromal Support in Generation of Long-Lived Eosinophils <i>Sergejs Berdnikovs, United States</i>	
8:45 am – 9:05 am	Cutting-Edge: Myeloid Cell Type Specification: Cellular Pathways and Molecular Mechanisms (Speaker Abstract 2) <i>Claus Nerlov, United Kingdom</i>	
9:05 am – 9:25 am	Cutting-Edge: Expanding Landscape of Myeloid Neoplasms with Gene Rearrangement and Eosinophilia (Speaker Abstract 3) <i>Nives Zimmermann, United States</i>	
9:25 am – 9:40 am	Oral Abstract: Single-Cell RNAseq Reveals Transcriptional Heterogeneity Of Eosinophils And Basophils In Human Blood (Oral Abstract 1) <i>Irene Whitney, United States</i>	
9:40 am – 9:55 am	Oral Abstract: IRF1 is a Major Regulatory Transcription Factor for Immune Responses in Eosinophils (Oral Abstract 2) <i>Elizabeth A. Jacobsen, United States</i>	
10:00 am – 10:30 am	Coffee Break	2 nd Floor Foyer

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Abstract Book Here:



Wednesday, 12 July 2023

10:30 am - 12:30 pm	Session 2: Cell Death (and Stress, Autophagy) in Eosinophil Biology <i>Chairs: Jennifer M. Felton, United States & Rossana C. N. Melo, Brazil</i>	Auditorium
10:30 am – 10:55 am	State-of-the-Art: Regulation of Cell Death and Autophagy (Speaker Abstract 4) <i>Hans-Uwe Simon, Switzerland</i>	
10:55 am – 11:15 am	Cutting-Edge: Integration of Cytolysis and Autophagy in Eosinophils (Speaker Abstract 5) <i>Stephane Esnault, United States</i>	
11:15 am – 11:35 am	Cutting-Edge: Non-Canonical Siglec-8 Signaling Leading to Eosinophil Cell Death (Speaker Abstract 6) <i>Jeremy A. O'Sullivan, United States</i>	
11:35 am – 11:55 am	Cutting-Edge: Aggregated ETotic Eosinophils Characterize Airway Mucus Properties (Speaker Abstract 7) <i>Shigeharu Ueki, Japan</i>	
11:55 am – 12:10 pm	Oral Abstract: Delineating Subtypes Of Murine Eosinophil Regulated Cell Death (Oral Abstract 3) <i>Immaculeta Osuji, United States</i>	
12:10 pm – 12:25 pm	Oral Abstract: Characteristics of Human Eosinophil ETosis In Vitro (Oral Abstract 4) <i>Hiroki Tomizawa, Japan</i>	
4:00 pm – 4:45 pm	Paul Ehrlich Award Lecture: From Cell Adhesion and Migration to Siglecs and their Sialoglycan Ligands: My Career in Eosinophil Biology (Speaker Abstract 8) <i>Chair: Judah A. Denburg, Canada</i> <i>Bruce S. Bochner, United States</i>	Auditorium
5:00 pm – 5:30 pm	IES Business Meeting <i>IES Members Only</i>	Auditorium
5:40 pm – 6:00 pm	Abstract Slams Session 1 <i>Chair: Allison D. Fryer, United States</i>	Auditorium
5:40 pm – 5:43 pm	Cell-death-induced Release of Eosinophil Sombbrero Vesicles: A Cell-specific Type of Extracellular Vesicle? (Abstract Slam 1) <i>Vitor H. Neves, Brazil</i>	
5:43 pm – 5:46 pm	Colorectal Cancer Cells Induce a Unique Transcriptome Signature in Eosinophils and Primes Their Responses to IL-3-induced Activation (Abstract Slam 2) <i>Micah Iltan, Israel</i>	
5:46 pm – 5:49 pm	Targeting Interleukin-5/5R For The Treatment Of Idiopathic Chronic Eosinophilic Pneumonia (Abstract Slam 3) <i>Matthieu Groh, France</i>	
5:49 pm – 5:52 pm	Persistence of Symptomatic Flares and Neutrophil Cycling in a Clinical Trial of High-dose Mepolizumab Treatment for Episodic Angioedema with Eosinophilia (Abstract Slam 4) <i>Rodaba Rahim, United States</i>	
5:52 pm – 5:55 pm	Biomarkers Of T Cell Driven Disease and Treatment Responses In The 200622-205203 Clinical Trials Evaluating Efficacy And Safety Of Mepolizumab In Patients With Hypereosinophilic Syndrome (Abstract Slam 5) <i>Julien Catherine, Belgium</i>	
5:55 pm – 5:58 pm	Impact Of Doxycycline On Nasal Inflammation and Wound Healing After FESS Is Defined By CRS Endotype/ Phenotype (Abstract Slam 6) <i>Elke Vandewalle, Belgium</i>	
6:00 pm – 7:30 pm	Poster Session Reception <i>Food and drinks provided</i>	2nd Floor Foyer
6:00 pm – 7:30 pm	Ask an Expert Poster Session 1	2024 Hallway
Expert Poster 1	Single Cell RNA Seq - Example from EoE Study <i>Netali Ben-Baruch Morgenstern, United States</i>	
Expert Poster 3	Isolation and Functional Aspects of Eosinophil-Derived Exosomes <i>Victoria Del Pozo, Spain</i>	
Expert Poster 5	3 Dimensional Imaging of Tissue Eosinophils <i>Allison D. Fryer, United States</i>	
Expert Poster 7	Highly Multiplexed Imaging Using Iterative Bleaching Extends Multiplexity (IBEX): Considerations for Imaging Eosinophils <i>Joshua FE Koenig, Canada</i>	
Expert Poster 9	High Throughput Vasculature Model for Toxicity Screening and Disease Modeling <i>Boyang Zhang, Canada</i>	

Wednesday, 12 July 2023

6:00 pm – 6:45 pm

Poster Session 1

2035/2036

- Poster 1** Development of Novel Small Molecule Biased Antagonists Targeting CCR3 for Treatment of Eosinophil- and Other CCR3-associated Diseases
Steven J. Ackerman, United States
- Poster 3** In Cold Blood: A Toolkit To Study Eosinophils In Zebrafish
Miriam Herbert, Germany
- Poster 5** Human Hypereosinophilic Syndrome Affects Eosinophil Mitochondrial Dynamics Leading to Cristae Remodeling and Inter-organelle Contacts
Cinthia Palazzi, Brazil
- Poster 7** Adipose Tissue Eosinophils are Transcriptionally Distinct from Blood Eosinophils: Uncovering Anti-Obesity Targets
Kate G. R. Quinlan, Australia
- Poster 9** The Role of the Molecular Circadian Clock in Asthma
Julia Teppan, Austria
- Poster 11** Anti-Citrullinated Histone Monoclonal Antibody to Inhibit Release of Eosinophil Extracellular Traps
Daphne Montizaan, Netherlands
- Poster 13** New Insights into Eosinophil Granules and Mechanisms of Degranulation Revealed by Cryo-Electron Tomography (CryoET)
Joshua M. Mitchell, United States
- Poster 15** Molecular Anatomy of Eosinophil Activation by IL5 and IL33
Joshua M. Mitchell, United States
- Poster 17** Characterization of Lung Eosinophil Subsets During Respiratory Viral Infection in Mice with Pre-Existing Immunity
Lauren A. Chang, United States
- Poster 19** Immunophenotyping of Circulating Eosinophils in Patients with Hypereosinophilic Syndrome
Krishan D. Chhiba, United States
- Poster 21** Raman Spectroscopy Identifies the Disease-related Eosinophils at a Single Cell Level
Ji-Hyang Lee, Korea
- Poster 23** Phenotype Profile of Circulating Eosinophils in Atopic Dermatitis
Guillaume Lefèvre, France
- Poster 25** Cytokine Signals Determine Eosinophil Phenotypes in Eosinophilic Esophagitis
Andrea R. Szep, United States
- Poster 27** Eosinophil Phenotypes and Receptor Expression on Circulating and Airway Eosinophils After Inhaled Allergen Challenge in Allergic Asthmatics
Christiane Whetstone, Canada
- Poster 29** Eosinophils Protect Against Esophageal Squamous Cell Carcinoma Due to Reactive Oxygen Species Released During Degranulation
Yash Choksi, United States
- Poster 31** IL-4, IL-33, IFN- γ , TNF- α and GM-CSF Are Upstream Regulators Of The Transcriptional Activity Of Lung Metastasis-Entrained Eosinophil In Breast Cancer
Inbal Hazut, Israel
- Poster 33** Eosinophils Demonstrate Dynamic Shifts in Subset Dominance Throughout Progressive Stages of Colorectal Cancer
Deeksha Raju, Switzerland
- Poster 35** Mepolizumab Treatment-Failures in Two Patients with Lymphoid Variant Hypereosinophilic Syndrome
Sina Karimi, Belgium
- Poster 37** Design of a Phase 3 Study of Benralizumab in Bullous Pemphigoid (FJORD)
Dagmar Simon, Switzerland

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Wednesday, 12 July 2023

6:45 pm – 7:30 pm

Poster Session 2

2035/2036

- Poster 2** Generation of Eosinophils and Eosinophil Precursors From Induced Pluripotent Stem Cells
Amy D. Klion, United States
- Poster 4** Hypereosinophilic Syndrome Response to Mepolizumab in the Setting of a Compassionate Use Program
Gauthier G. Coussemont, Belgium
- Poster 6** French Guidelines for the Etiological Workup of Eosinophilia and the Management of Hypereosinophilic Syndromes
Matthieu Groh, France
- Poster 8** Epidemiology, Clinical Presentation, and Outcomes of 620 Patients with Eosinophilia in the Intensive Care Unit
Matthieu Groh, France
- Poster 10** Reduced Mucous Plugging in the Small Airways of Chronic Obstructive Pulmonary Disease Patients with Eosinophilic Inflammation
Andrew Higham, United Kingdom
- Poster 12** Mogamulizumab for Refractory CD3-CD4+ Lymphocytic-Variant Hypereosinophilic Syndrome
Emmanuel Ledoult, France
- Poster 14** New Insights into Hypereosinophilia and Hypereosinophilic Syndromes Thanks to the First 551 Patients Included in the COHESion Study, a National Multicenter Cohort
Guillaume Lefèvre, France
- Poster 16** Are Pregnancy and Post-partum at Risk for Relapses and Obstetric Complications in HES and ANCA-Negative EGPA?
Guillaume Lefèvre, France
- Poster 18** Ex Vivo Assessment of the Stability Over Time of Surface Markers of Circulating Eosinophils in Patients with Atopic Dermatitis and Healthy Subjects
Guillaume Lefèvre, France
- Poster 20** A Single-Dose Weight-Based Challenge Predicts the Minimally Effective Daily Dose of Prednisone in Hypereosinophilic Syndromes
Michelle A. Makiya, United States
- Poster 22** A Phase 3 Study Evaluating the Efficacy and Safety of Benralizumab in Patients with Hypereosinophilic Syndrome
Princess U. Ogbogu, United States
- Poster 24** Circulating Eosinophil and Cytokine Levels in COVID Patients
Maral Ranjbar, Canada
- Poster 26** Dupilumab Reduces Exacerbations And Improves Lung Function In Children (6–11 Years) With Moderate-To-Severe Asthma And High Eosinophils
Mena Soliman, Canada
- Poster 28** Real-World Insights on the Burden of Hypereosinophilic Syndrome (HES)
Lee Baylis, United States
- Poster 30** Disease Characterization, Treatment Patterns, Clinical Outcomes, and Healthcare Resource Utilization of European Patients With HES Disease Subtypes
Lee Baylis, United States
- Poster 32** Country Differences in the Clinical Manifestations and Treatment Patterns of Patients with Eosinophilic Granulomatosis with Polyangiitis (EGPA): A European Perspective
Lee Baylis, United States
- Poster 34** Rationale and Design of the 52-Week, Randomized, Phase 3, Head-To-Head MANDARA Study to Evaluate the Safety and Efficacy of Benralizumab in Refractory or Relapsing Eosinophilic Granulomatosis with Polyangiitis
Michael E. Wechsler, United States
- Poster 36** Effect of Benralizumab on Eosinophil Levels in Skin of Patients with Moderate to Severe Atopic Dermatitis
Christiane Whetstone, Canada

7:45 pm - 10:00 pm

Networking Event for Young Scientists

Electric Diner
28 James St N, Hamilton



Thursday, 13 July 2023

6:30 am – 12:30 pm 3:30 pm – 8:00 pm	Registration Open	2 nd Floor Foyer
6:30 am – 8:00 am	Breakfast	2 nd Floor Foyer & 2024 Hallway
7:00 am – 8:00 am	Breakfast Breakouts	
	Breakfast Breakout 5: NIAID Outreach for New/Young Investigators <i>Patricia C. Fulkerson, United States; Mike Minnicozzi, United States</i>	2017
	Breakfast Breakout 6: Mentorship to Success <i>Steven J. Ackerman, United States; Dagmar Simon, Switzerland</i>	2018
	Breakfast Breakout 7: Industry and Industry Sponsored Research <i>Calman Prussin, United States; Florence E. Roufousse, Belgium</i>	2019
	Breakfast Breakout 8: Fundraising for Conferences <i>Bruce S. Bochner, United States; Allison D. Fryer, United States</i>	2023
8:00 am – 10:00 am	Session 3: Eosinophils and Local Immunity-Interactions with Multiple Cell Types <i>Chairs: Hirohito Kita, United States & Imran Satia, Canada</i>	Auditorium
8:00 am – 8:25 am	State-of-the-Art: Eosinophils and Control of Peripheral Nervous Systems (Speaker Abstract 9) <i>Matthew G. Drake, United States</i>	
8:25 am – 8:50 am	State-of-the-Art: Eosinophil Interactions with Mast Cells (Speaker Abstract 10) <i>Francesca Levi-Schaffer, Israel</i>	
8:50 am – 9:10 am	Cutting-Edge: Regulation of Eosinophils by ILC2 Cells (Speaker Abstract 11) <i>Roma Sehmi, Canada</i>	
9:10 am – 9:30 am	Cutting-Edge: Eosinophil and IL-5 Regulation of Plasmacytoid Dendritic Cells <i>Michelle A. Gill, United States</i>	
9:30 am – 9:45 am	Oral Abstract: Adipose Eosinophils Are Transcriptionally Regulated By Activating Transcription Factor 3 (ATF3) And Promote Angiogenesis Via Vascular Endothelial Growth Factor A (VEGFA) (Oral Abstract 5) <i>Annalise M. Psaila, Australia</i>	
9:45 am – 10:00 am	Oral Abstract: Parasympathetic Airway Hyperreactivity is Enhanced in Acute but Not Chronic Eosinophilic Asthma (Oral Abstract 6) <i>Aubrey B. Pierce, United States</i>	
10:00 am – 10:30 am	Coffee Break	2 nd Floor Foyer
10:30 am – 12:30 pm	Session 4: Eosinophils in Host Defense <i>Chairs: Pedro Gazzinelli Guimaraes, United States & Kiho Son, Canada</i>	Auditorium
10:30 am – 10:55 am	State-of-the-Art: Eosinophils and Host Defense Against Parasites <i>Pedro Gazzinelli Guimaraes, United States</i>	
10:55 am – 11:15 am	Cutting-Edge: Eosinophils and Mycobacterium Tuberculosis Infection <i>Katrin D. Mayer-Barber, United States</i>	
11:15 am – 11:35 am	Cutting-Edge: Eosinophils and Influenza Infection (Speaker Abstract 12) <i>Amali E. Samarasinghe, United States</i>	
11:35 am – 11:55 am	Cutting-Edge: Eosinophils in the Context of Aspergillus Fumigatus-Induced Lung Inflammation (Speaker Abstract 13) <i>David Voehringer, Germany</i>	
11:55 am – 12:10 pm	Oral Abstract: Active Eosinophils Regulate Host Defense And Immune Responses In Colitis (Oral Abstract 7) <i>Alessandra Gurtner, Switzerland</i>	
12:10 pm – 12:25 pm	Oral Abstract: Eosinophil CD48 Interaction with Candida Albicans Als6 is Critical For Protective Responses During Systemic Candida Albicans Infection (Oral Abstract 8) <i>Ilan Zaffran, Israel</i>	

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Thursday, 13 July 2023

4:00 pm – 6:00 pm	Session 5: Reciprocal Interactions Between Eosinophils and Microbiomes in Homeostasis/Dysbiosis <i>Chairs: Glenn T. Furuta, United States & Tetsuo Shoda, United States</i>	Auditorium
4:00 pm – 4:25 pm	State-of-the-Art: Role of Esophageal Microbiome Homeostasis and Eosinophilic Inflammation <i>Cathryn R. Nagler, United States</i>	
4:25 pm – 4:45 pm	Cutting-Edge: A Gut Commensal Protozoan Remotely Shapes a Lung Niche for Eosinophils and Tunes Pulmonary Immunity (Speaker Abstract 14) <i>Kyle Burrows, Canada</i>	
4:45 pm – 5:05 pm	Cutting-Edge: Neonatal Eosinophils Shape the Intestinal Microbial Composition to Promote Immune Homeostasis and Commensalism (Speaker Abstract 15) <i>Isabelle C. Arnold, Switzerland</i>	
5:05 pm – 5:25 pm	Cutting-Edge: Eosinophils and Microbial Signals in Asthma (Speaker Abstract 16) <i>Donata Vercelli, United States</i>	
5:25 pm – 5:40 pm	Oral Abstract: Levels of MHCII+CD80+ Thymic Eosinophils Increase in Abundance During Neonatal Development in Mice and Their Accumulation is Microbiota-Dependent (Oral Abstract 9) <i>Dominique M. Gatti, Canada</i>	
5:40 pm – 5:55 pm	Oral Abstract: Dysbiotic Neonate Lung Microbial Communities Confer Neonate Responsiveness to Allergen and Development of Lung Eosinophilia: Machine-Learning for Prediction of Development of Eosinophilic Inflammation (Oral Abstract 10) <i>Joan M. Cook-Mills, United States</i>	
6:10 pm – 6:25 pm	Abstract Slams Session 2 <i>Chair: Mark Larché, Canada</i>	Auditorium
6:10 pm - 6:13 pm	Transcriptomic Analysis of the Acute Response to Local Esophageal Food Injections in Adult Patients with Eosinophilic Esophagitis (Abstract Slam 7) <i>Mirelle Kleuskens, Netherlands</i>	
6:13 pm - 6:16 pm	Charcot–Leyden Crystal Protein: Palmitoylation and Eosinophil Cytokine Secretion (Abstract Slam 8) <i>Haibin Wang, United States</i>	
6:16 pm - 6:19 pm	Eosinophil Depletion Can Decrease Inflammation and Can Be Used as a Therapeutic Target In Established Colitis Without Impacting Fibrosis (Abstract Slam 9) <i>Inge Jacobs, Belgium</i>	
6:19 pm - 6:22 pm	Non-epithelial Gene Expression Correlates with Symptom Severity in Adults with Eosinophilic Esophagitis (Abstract Slam 10) <i>Seung Kim, United States</i>	
6:22 pm - 6:25 pm	Machine Learning-Based Characterization of Esophageal Mast Cells in Eosinophilic Esophagitis (Abstract Slam 11) <i>Simin Zhang, United States</i>	
6:30 pm – 8:00 pm	Poster Session Reception <i>Food and drinks provided</i>	2nd Floor Foyer
6:30 pm – 8:00 pm	Ask an Expert Poster Session 2	2024 Hallway
Expert Poster 2	Generation of Eosinophils and Eosinophil Precursors From Induced Pluripotent Stem Cells <i>Amy D. Klion, United States</i>	
Expert Poster 4	Eosinophil Phosphoproteomics <i>Joshua M. Mitchell, United States</i>	
Expert Poster 6	How to Identify Resting and Activated Eosinophils with Transmission Electron Microscopy <i>Vitor H. Neves, Brazil</i>	
Expert Poster 8	3-D Models of Vasculitis <i>Milica Radisic, Canada</i>	
Expert Poster 10	Assessing Eosinophils and Eosinophil Activity on Ex Vivo Sputum Plugs <i>Manali Mukherjee, Canada</i>	

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Thursday, 13 July 2023

6:30 pm – 7:15 pm

Poster Session 3

2035/2036

- Poster 39** In vivo Regulation of the Recruitment of Airway Eosinophils in Asthma to Antigen Challenge
William W. Busse, United States
- Poster 41** Tissue Adaptation of Eosinophils in the Intestine is Partially Controlled by the Aryl Hydrocarbon Receptor
Nicola Diny, United Kingdom
- Poster 43** Regulation of Cytokine Secretion by Eosinophils in the Epithelial Microenvironment
Emily D. Gonzalez Galan, United States
- Poster 45** Venous Thrombosis and Predictors of Relapse in Eosinophil-Related Diseases
Matthieu Groh, France
- Poster 47** Eosinophils Promote ILC2s in Allergic Respiratory Inflammation
Elizabeth A. Jacobsen, United States
- Poster 49** IL-4Ra Signaling Mediates Eosinophil-Sensory Neuron Crosstalk in Type 2 Inflammatory Skin Microenvironment
Mithilesh K. Jha, United States
- Poster 51** JAK Inhibition For CD3- CD4+ Lymphocytic-Variant Hypereosinophilic Syndrome
Jean-Emmanuel Kahn, France
- Poster 53** Macrophage Mediate Epithelial Cytoskeletal and Matrix Dysregulation in Fibrostenotic Eosinophilic Oesophagitis
Joanne C. Masterson, Ireland
- Poster 55** Diminished TLR3 Expression and Function in EoE-derived Esophageal Fibroblasts and Epithelial Cells
Quan M. Nhu, United States
- Poster 57** The Impact of Eosinophils on Airway Hyperresponsiveness in High-Fat Diet-Induced Obese Mice
Zhenying (Jane) Nie, United States
- Poster 59** Effect of Intranasal Steroid on Cytokine Expression in the Nasal Lavage of Allergic Rhinitis Patients Before and after Nasal Allergen Challenge
Hafsa Omer, Canada
- Poster 61** Nerve Remodeling in a Mouse Model of Eosinophilic Esophagitis (EoE)
Becky J. Proskocil, United States
- Poster 63** TSLP Shapes Pathogenic Responses of Memory CD4+ T Cells in Eosinophilic Esophagitis
Yrina Rochman, United States
- Poster 65** Biological Treatment Induces a Transition from Eosinophilic to Neutrophilic Inflammation in CRSwNP Patients
Sharon Van Nevel, Belgium
- Poster 67** Eosinophils Respond to an Enteric Salmonella Typhimurium Infection in Mice
Rachael D. FitzPatrick, Canada
- Poster 69** Eosinophils Actively Migrate Within the Boundaries of Schistosoma Mansoni-induced Hepatic Granulomas
Kássia K. Malta, Brazil
- Poster 71** Candida Albicans-Induced Human Eosinophil Extracellular DNA Traps Release
Josiane S. Neves, Brazil
- Poster 73** Eosinophils as Predictors of Severe COVID-19 Patients Outcome: A Retrospective Study from Early Pandemic in Brazil
Vitor H. Neves, Brazil
- Poster 75** Uncovering the Role of Different Eosinophil Populations during Parasitic Nematode Infections
Shashini K. Perera, Canada
- Poster 77** The Role of Eosinophils in Immune Response to Mycobacterium Tuberculosis
Maryonne Snow-Smith, United States
- Poster 79** Relation Between Reduction in Fractional Exhaled Nitric Oxide And Efficacy in Patients With Asthma Treated with Dupilumab
Mena Soliman, Canada

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Thursday, 13 July 2023

7:15 pm – 8:00 pm

Poster Session 4

2035/2036

- Poster 40** Redefining Normal Eosinophil Counts: A Novel Standardized Approach to Histological Eosinophil Quantification
Matthias Ceulemans, Belgium
- Poster 42** Tissue-Specific Inducible Expression of IL-33 Elicits Features of Eosinophilic Esophagitis
Alfred D. Doyle, United States
- Poster 44** Experimental Eosinophilic Esophagitis is Accompanied with Increased Expression of TSLP and IL-33
Anish Dsilva, Israel
- Poster 46** Esophageal Eosinophils Represent a Distinct Biosynthetic and Immunomodulatory Gastrointestinal Eosinophil Subset
Jennifer M. Felton, United States
- Poster 48** Monoacylglycerol Lipase Inhibition in Esophageal Epithelial Cells in Pathogenesis of Eosinophilic Esophagitis
Eva Gruden, Austria
- Poster 50** Multicolor Flow Cytometric Determination of Immune Cell Composition and Activation in Eosinophilic Esophagitis
Melanie Kienzl, Austria
- Poster 52** Mast Cells Disrupt the Function of the Esophageal Epithelial Barrier
Mirelle Kleuskens, Netherlands
- Poster 54** Dupilumab Improves Histological Outcomes and Normalizes Disease and Type 2 Inflammation Transcriptome Signatures in Adult and Adolescent Patients With Eosinophilic Oesophagitis: Results From the 3-Part Phase 3 LIBERTY EoE TREET Study
Erika Martire, United States
- Poster 56** High Prevalence of Response to PPI Treatment in Children and Adolescents with Eosinophilic Esophagitis in Southern Brazil
Luiza S. Nader, Brazil
- Poster 58** Eosinophil Granule Proteins Exhibit Different Deposition Patterns in Patients with Eosinophilic Esophagitis and Correlate with Basal Zone Hyperplasia
Christopher D. Nazaroff, United States
- Poster 60** Notch 2 Signaling in Eosinophils Partially Underlies Intestinal Tissue-Specific Adaptations
Courtney L. Olbrich, United States
- Poster 62** Proteomic Analysis of Eosinophilic Esophagitis: Identification and Involvement of the Minichromosome Maintenance Complex as a Driver of Esophageal Basal Zone Hyperplasia
Mark Rochman, United States
- Poster 64** Nuclear Circadian Receptors in Eosinophilic Esophagitis (EOE)
Julia Teppan, Austria
- Poster 66** Preliminary Transcriptomic Analysis of Moderate to Severe Eosinophilic Esophagitis Esophageal Tissue Pre- and Post-Eosinophil Depletion With Benralizumab: Results From The MESSINA Study
Julie Caldwell, United States
- Poster 68** Triggering Receptor Expressed on Myeloid Cells-1 Promotes Allergic Airway Inflammation and Eosinophil Function
Jayden Bowen, United States
- Poster 70** E-cigarette Vapor Extract has a Substantial Effect on Human Eosinophil Transcription Mediated by Propylene Glycol and Glycerin
Nicholas T. Hogan, United States
- Poster 72** Single-cell RNA Sequencing of Human Eosinophils in Nasal Polyps Helps to Define Their Role in Chronic Rhinosinusitis
Atsushi Kato, United States
- Poster 74** Phenotype of Blood Eosinophils in DRESS Syndrome Compared with Drug-Induced Maculopapular Exanthema with or without Eosinophilia
Guillaume Lefèvre, France
- Poster 76** Automatic Quantification Method of Eosinophilic Degranulation in Tissues: Application for the Study of Eosinophilic Disorders
Guillaume Lefèvre, France
- Poster 78** The Functional Role of CD69 Expressed on Activated Eosinophils
Yasutaka Yun, Japan



Friday, 14 July 2023

6:30 am – 12:30 pm 2:30 pm – 6:00 pm	Registration Open	2 nd Floor Foyer
6:30 am – 8:00 am	Breakfast	2 nd Floor Foyer & 2024 Hallway
7:00 am – 8:00 am	Breakfast Breakouts	
	Breakfast Breakout 9: Strategies for Publishing in Impactful Journals <i>Irving Coy Allen, United States; Paul Moayyedi, Canada</i>	2018
	Breakfast Breakout 10: Careers in Industry <i>Christopher D. Nazaroff, United States; Brad Youngblood, United States</i>	2019
	Breakfast Breakout 11: Women and Underrepresented Groups in Science <i>Sonia S. Anand, Canada; Amali E. Samarasinghe, United States</i>	2023
8:00 am – 10:00 am	Session 6: Eosinophils and Mast Cells in EGID – CEGIR-Sponsored <i>Chairs: Paul Moayyedi, Canada & Ignacio Gonzalez Perez, Switzerland</i>	Auditorium
8:00 am – 8:25 am	State-of-the-Art: Regulation, Role and Plasticity of Eosinophils in EGID (Speaker Abstract 17) <i>Marc E. Rothenberg, United States</i>	
8:25 am – 8:45 am	Cutting-Edge: Role of Mast Cells in EoE and other EGIDs <i>Joshua B. Wechsler, United States</i>	
8:45 am – 9:05 am	Cutting-Edge: Natural History of and Targeted Treatment Options for EGID (Speaker Abstract 18) <i>Glenn T. Furuta, United States</i>	
9:05 am – 9:25 am	Cutting-Edge: The Role of Mast Cells in Eosinophilic Esophagitis Based on Single-Cell Analyses (Speaker Abstract 19) <i>Netali Ben-Baruch Morgenstern, United States</i>	
9:25 am – 9:40 am	Oral Abstract: IL-10 Controls Eosinophil Survival And Function In The Gastrointestinal Tract (Oral Abstract 11) <i>Ignacio Gonzalez Perez, Switzerland</i>	
9:40 am – 9:55 am	Oral Abstract: A Novel Eosinophilic Esophagitis Murine Model Based on TSLP Overexpression Reveals a Proliferating Epithelial Phenotype (Oral Abstract 12) <i>Mario Alberto Ynga Durand, United States</i>	
10:00 am – 10:30 am	Coffee Break	2 nd Floor Foyer
10:30 am – 12:30 pm	Session 7: Eosinophils in Tissue Injury and Repair <i>Chairs: Kate G. R. Quinlan, Australia & Natalie Rhone, Israel</i>	Auditorium
10:30 am – 10:55 am	State-of-the-Art: Remodeling and Fibrosis in Eosinophil Inflammation (Speaker Abstract 20) <i>Seema S. Aceves, United States</i>	
10:55 am – 11:15 am	Cutting-Edge: Eosinophils Promote Allograft Acceptance in Lung Transplantation (Speaker Abstract 21) <i>Alexander S. Krupnick, United States</i>	
11:15 am – 11:35 am	Cutting-Edge: Eosinophilic Fasciitis-Mouse Models <i>Maxime Kinet, United States</i>	
11:35 am – 11:55 am	Cutting-Edge: Differential Roles of Eosinophils in Cardiovascular Diseases (Speaker Abstract 22) <i>Guo-Ping Shi, United States</i>	
11:55 am – 12:10 pm	Oral Abstract: Experimental Eosinophilic Esophagitis is Dependent on Eosinophils (Oral Abstract 13) <i>Natalie Rhone, Israel</i>	
12:10 pm – 12:25 pm	Oral Abstract: Hyperactive Eosinophils In The Postnatal Lung Impair Lung Development And Promote Persistent Lung Inflammation (Oral Abstract 14) <i>April L. Raftery, Australia</i>	
12:45 pm – 1:45 pm	Satellite Symposium: A Focus on Type 2 Inflammation in Disease <i>William W. Busse, United States</i> This is a non-CME event sponsored by Sanofi & Regeneron. This session is open to the first 60 participants. <i>Lunch will be provided.</i>	Bayview Room (6th Floor)

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Friday, 14 July 2023

3:00 pm – 4:30 pm	Session 8: Eosinophils in Tumor Biology and Cancer Therapy <i>Chairs: Charles Anderson, United States & Isabelle C. Arnold, Switzerland</i>	Auditorium
3:00 pm – 3:25 pm	State-of-the-Art: Eosinophils in the Tumor Microenvironment: A Story of the Future from Past to Present (Speaker Abstract 23) <i>Ariel Munitz, Israel</i>	
3:25 pm – 3:45 pm	Cutting-Edge: Eosinophil Collaborations with Innate Cells: On the Front Foot Against Cancer (Speaker Abstract 24) <i>Gabrielle Belz, Australia</i>	
3:45 pm – 4:00 pm	Oral Abstract: Assessing the Roles of Eosinophils in the Tumor Microenvironment Using Spatial Transcriptomics (Oral Abstract 15) <i>Elizaveta Razvarina, Israel</i>	
4:00 pm – 4:15 pm	Oral Abstract: Phenotyping T Cells from Lymphocytic Variant Hypereosinophilic Syndrome Patients Identifies Cell Markers Associated with Different Clinical Profiles (Oral Abstract 16) <i>Charles Anderson, United States</i>	
4:15 pm – 4:30 pm	Oral Abstract: Long-Term Follow-up of Hypereosinophilic Syndrome Patients Treated With Mepolizumab: A Nationwide Real-Life Study Of 58 Patients (Oral Abstract 17) <i>Kevin Chevalier, France</i>	
4:45 pm – 5:45 pm	Gerald J. Gleich Award Lectures <i>Chair: Florence E. Roufousse, Belgium</i>	Auditorium
4:45 pm – 5:15 pm	Metastasis-Entrained Eosinophils Enhance Lymphocyte-Mediated Antitumor Immunity (Speaker Abstract 25) <i>Sharon Grisar-Tal, Israel</i>	
5:15 pm – 5:45 pm	Eosinophils are an Essential Element of a Type 2 Immune Axis that Controls Thymus Regeneration (Speaker Abstract 26) <i>Emilie J. Cosway, United Kingdom</i>	
<i>The Gerald J. Gleich Award Lectures are named in honor of and generously funded by Dr. Gerald J. Gleich, whose career has been devoted to the exploration of the eosinophilic leukocyte and to the elucidation of its role in health and disease.</i>		
7:00 pm – 10:30 pm	Awards Dinner	Liuna Station 360 James St N, Hamilton

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Saturday, 15 July 2023

7:00 am – 3:00 pm	Registration Open	2 nd Floor Foyer
7:00 am – 8:00 am	Breakfast	2 nd Floor Foyer
8:00 am – 9:30 am	Session 9: Eosinophils and the Epithelium <i>Chairs: Eva Gruden, Austria & Lisa A. Spencer, United States</i>	Auditorium
8:00 am – 8:25 am	State-of-the-Art: The Roles of Eosinophils in the Pathogenesis and Clinical Manifestations of Chronic Rhinosinusitis (Speaker Abstract 27) <i>Robert P. Schleimer, United States</i>	
8:25 am – 8:45 am	Cutting-Edge: Bullous Pemphigoid (Speaker Abstract 28) <i>Kyle T. Amber, United States</i>	
8:45 am – 9:05 am	Cutting-Edge: Eosinophils: The Forgotten Players of Intestinal Homeostasis (Speaker Abstract 29) <i>Aline Ignacio, Canada</i>	
9:05 am – 9:25 am	Cutting-Edge: Eosinophils, Autoimmunity and Mucus Production <i>Manali Mukherjee, Canada</i>	
9:30 am – 10:00 am	Coffee Break	2 nd Floor Foyer
10:00 am - 12:00 pm	Session 10: Pro/Con Debates: What has Targeting Eosinophils with Biologics Taught Us? <i>Chairs: Judah A. Denburg, Canada & Fei Li Kuang, United States</i>	Auditorium
10:00 am – 11:00 am	Targeting Eosinophils in Disease is Enough! Pro: Amy D. Klion, United States Con: Peter F. Weller, United States	
11:00 am – 12:00 pm	Eosinophils are Dispensable! Pro: The Eosinophil is Clearly Associated with Disease Activity but Likely not Important for Normal Human Health (Speaker Abstract 30) <i>Gerald J. Gleich, United States</i> Con: The Untold Story of Eosinophils (Speaker Abstract 31) <i>Elizabeth A. Jacobsen, United States</i>	
12:00 pm – 1:00 pm	Lunch – lunch boxes provided	2 nd Floor Foyer
1:00 pm – 2:30 pm	Session 11: Roundtable Discussions	Auditorium
1:00 pm – 1:45 pm	Topic 1: Are there Subtypes of Eosinophils? <i>Facilitators: Mats W. Johansson, United States & Lisa A. Spencer, United States</i>	
1:45 pm – 2:30 pm	Topic 2: Clinical Biology of Eosinophils: The Future <i>Facilitators: Praveen Akuthota, United States & Paneez Khoury, United States</i>	
2:30 pm – 3:00 pm	Closing Remarks <i>Judah A. Denburg, Canada & Florence E. Roufosse, Belgium</i>	Auditorium

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