

DEPARTMENT OF MEDICINE I



MEDICAL UNIVERSITY
OF VIENNA



Vienna Healthcare Group
University Hospital Vienna



Program

12th International Conference of the European Mast Cell and Basophil Research Network (EMBRN)

Confirmed speakers

Sabine Altrichter, Austria
Cecilia Andersson, Sweden
Mrinmoy Das, India
Nicola Diny, Germany
Anne Dudeck, Germany
Alexander Eggel, Switzerland
Esther Florsheim, USA

Stephen Galli, USA
Nicolas Gaudenzio, France
Jenny Hallgren, Sweden
Xiaoyu Hu, China
Tibor Keler, USA
Joseph Jorssen, Belgium
Tim Lämmermann, Germany

Martin Metz, Germany
Kensuke Miyake, Japan
Ariel Munitz, Israel
Laurent Reber, France
Ashley St. John, Singapore
Sébastien Talbot, Canada
David Voehringer, Germany
Fang Wang, China

10th – 12th June 2026

Van Swieten Saal, Medical University of Vienna
Van-Swieten-Gasse 1a, 1090 Vienna, Austria

innere-med-1.meduniwien.ac.at/EMBRNconference



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EMBRN 2026 Conference – provisional program (v. June 7th, 2026)

Day 1 – June 10th (Wednesday), 2026

Venue: Van Swieten Saal of the Medical University of Vienna

Address: Van-Swieten-Gasse 1a, 1090 Vienna, Austria

From 8:00 am: Registration

9:00 – 9:10 am: Welcome and start of conference

9:10 – 10:30 am: Oral session 1 – supported by *Atanis Biotech*

Chairs: Emily Stephenson & Nicolas Charles

9:10 – 9:50 am: Keynote lecture: **Stephen Galli:** “Mast cells: Why do we have them?”

9:50 – 10:10 am: Plenary Lecture 1: **Ashley St. John:** “Influence of mast cells on antigen presentation.”

10:10 – 10:30 am: Plenary Lecture 2: **David Vöhringer:** “The role of basophils in skin inflammation and protection against helminths.”

10:30 – 11:00 am: Coffee break

11:00 – 12:30 pm: Oral session 2 – supported by *BluePrint Medicines*

Chairs: Yanyan Luo & Fabio Rabelo Melo

11:00 – 11:20 am: Plenary Lecture 3: **Laurent Reber:** “Dietary fermentable carbohydrates promote type 2 inflammation.”

11:20 – 11:40 am: Plenary Lecture 4: **Fang Wang:** “Decoding neuro-basophil crosstalk in atopic dermatitis.”

11:40 am – 12:00 pm: Plenary Lecture 5: **Esther Borges Florsheim:** “Beyond anaphylaxis: mast cells as regulators of brain function and behavior.”

12:00 – 12:10 pm: Oral abstract 1: **Haiyan Chen:** “Polyamines regulate mast cell homeostasis by targeting the MAPK signaling pathway.”

12:10 – 12:20 pm: Oral abstract 2: **Colin Guth:** “The neuroendocrine peptide catestatin activates mast cell-expressed Mrgprb2 to promote healing and bacterial clearance in MRSA-infected wounds.”

12:20 – 12:30 pm: Oral abstract 3: **Marta Chroscik:** “Charting the cellular architecture of paediatric cutaneous mastocytosis at single-cell resolution.”

12:30 pm – 1:30 pm: Lunch break

1:30 pm – 3:00 pm: Oral session 3 – supported by *Celldex Therapeutics*

Chairs: Hind Hussein & Frank Siebenhaar

1:30 – 1:40 pm: Frank Siebenhaar: In memoriam Marcus Maurer

1:40 – 2:00 pm: Plenary Lecture 6: **Martin Metz:** “Targeting mast cells in urticaria and beyond.”

2:00 – 2:20 pm: Plenary Lecture 7: **Tibor Keler:** “Neutralization of soluble stem cell factor for selective mast cell targeting” (*Celldex Therapeutics*-sponsor science talk).

2:20 – 2:40 pm: Plenary Lecture 8: **Kensuke Miyake:** “Basophils in the regulation of skin and lung inflammation.”

2:40 – 2:50 pm: Oral abstract 4: **Aleksandra Dondalska:** “Mast cell dynamics in acute and resolved allergic airway inflammation.”

2:50 – 3:00 pm: Oral abstract 5: **Paula van Tienen:** “Identification of shared regulators of IgE- and MRGPRX2-dependent degranulation in human mast cells.”

3:00 – 3:30 pm Coffee break

3:30 pm – 4:35 pm: Oral session 4 – supported by *Argenx*

Chairs: Nicola Darling & Jelle Folkerts

3:30 – 3:50 pm: Plenary Lecture 9: **Anne Dudeck:** “From local hero to systemic influencer: local and inter-organ effects of perivascular mast cells upon skin inflammation”

3:50 – 4:00 pm: Oral abstract 6: **Zou Xiang:** “STAP1 negatively regulates IgE-mediated mast cell activation”

4:00 – 4:10 pm: Oral abstract 7: **Ciara Campbell:** “Neutrophils bound to mast cell granules induce remote damage during early life allergen-induced lung inflammation.”

4:00 – 4:30 pm: Poster flash talks 1-10: **Léna Andrieux, Jasmine Barra, Marina Habas Sánchez, Sofia Papavasileiou, Tanja Schickschneit, Nasser Abdullah, Ronya Assady, Jasper Kamphuis, Michael Mihlan, William Worrall.**

4:45– 6:15 pm Poster session 1

Poster 1: Srinivas Akula – “Trifluoperazine Induces Dose-Dependent Mast Cell Reduction in Equine Asthma via a Lysosomotropic Mechanism.”

Poster 2: Léna Andrieux – “Interindividual variations in IgE glycosylation do not influence response to anti-IgE therapy.”

Poster 3: Jasmine Barra – “IL-5 treatment selectively regulates cytokine responses by human mast cells.”

Poster 4: Zohra Benmessaoud – “A new mouse model expressing human IgE and its receptors FcεRI and CD23 predicts a superiority for Ligelizumab over Omalizumab in anaphylaxis.”

Poster 5: Ciara Campbell – “Neutrophils bound to mast cell granules induce remote damage during early life allergen-induced lung inflammation.”

Poster 6: José Céspedes – “CD34+-Derived Mast Cells and Multivalent Dendrimeric Antigens to Enhance the Diagnostic Sensitivity of MAT in Beta-lactam Allergy”

Poster 7: Haiyan Chen – “Polyamines Regulate Mast Cell Homeostasis by Targeting the MAPK Signaling Pathway”

Poster 8: Marta Chroscik – “Charting the Cellular Architecture of Paediatric Cutaneous Mastocytosis at Single-Cell Resolution”

Poster 9: Bernhard Gibbs – “Human Basophils Potentially Contribute to the Resolution of Allergic Inflammation by Differentially Expressing Resolvin-D1 Pathway Machinery”

Poster 10: Colin Guth – “The neuroendocrine peptide catestatin activates mast cell-expressed Mrgprb2 to promote healing and bacterial clearance in MRSA-infected wounds.”

Poster 11: Marina Habas Sánchez – “Contrasting Prognostic Impact of Mast Cells across Non-Small Cell Lung Cancer Subtypes.”

Poster 12: Pier Lindenbergh – “Integrative analysis of single-cell transcriptomics data reveals three distinct mast cell subpopulations in human atherosclerotic lesions.”

Poster 13: Sofia Papavasileiou – “Single-cell omics analysis reveals a disease-specific basophil subpopulation in chronic myeloid leukemia.”

Poster 14: Tanja Schickschneit – “Intravascular skin mast cell degranulation initiates local and systemic inflammatory responses.”

Poster 15: Marianthi Vraila – “Trifluoperazine causes mast cell apoptosis through a secretory granule-mediated pathway.”

Poster 16: Chenyan Wu – “Advancing Mast Cell Research with a Standardized Human Primary Cell Platform.”

Poster 17: Zane Orinska – “CD37 effects in regulation of mast cell function”

Poster 18: Animalar Mayavannan – “Monitoring Mast Cell Progenitors to Predict and Assess Response to Allergen Immunotherapy.”

Poster 19: Sercan Guloglu – “Acetylcholine Does Not Directly Stimulate Human Mast Cells: Mechanistic Insights into Cholinergic Urticaria.”

Poster 20: Theodor Zeng – “Yolk-Sac-derived conditionally immortalized hematopoietic progenitor cells as a versatile tool to study mast cell differentiation and function.”

Poster 21: Nasser S. Abdullah – “Ontogeny matters: how a primitive mast cell can drive eczema after birth.”

Poster 22: Ronya Assady – “Defining spatial pro-inflammatory endothelial niches that coordinate mast cell responses in the human lung microvasculature.”

Poster 23: Leire Calvo Pastor – “Exploratory proteomic profiling of human CD117+ progenitor-derived mast cells.”

Poster 24: Geraldine Gerdel Matute – “Basophil surface and soluble FcεRI as potential biomarkers in chronic spontaneous urticaria.”

Poster 25: Jiajun He – “Human memory CD4+T cells induce hyperresponsiveness in mast cells.”

Poster 26: Mengjie Hu – “A functional human iPSC-derived KIT D816V mast cell model for investigating BTK signaling in systemic mastocytosis.”

Poster 27: Anna-Karin Johnsson – “PGE2-EP2 signaling as a checkpoint in early mast cell differentiation.”

Poster 28: Jasper Kamphuis – “Dietary fermentable carbohydrates promote mucosal mast cell-dependent type 2 immune responses and intestinal pain.”

Poster 29: Shyami Kandage – “Role of Toll-like Receptor 2 (TLR2) in Atopic Dermatitis and Atopic March.”

Poster 30: Michael Mihlan – “Arp2/3 complex-dependent actin regulation protects the survival of tissue-resident mast cells.”

Poster 31: Duncan Miller – “A 2D co-culture of human mast cells with dermal fibroblasts reveals direct functional regulation and represents a versatile in vitro model.”

Poster 32: Fabio Rabelo Melo – “Mast cell tryptase induces nuclear remodelling and reduced growth in breast cancer cells.”

Poster 33: Jörg Scheffel – “Exploring intradermal mediator profiles in response to mast cell provocation with the MRGPRX2 agonist codein.”

Poster 34: Eva Marcela Solares Rioja – “Senescence-associated changes in electrophysiological and functional properties of mast cells.”

Poster 35: Lihong Song – “CD300f acts as an inducible inhibitory checkpoint in MC cells by MRGPRX2, suppressing MITF-dependent activation.”

Poster 36: Wilhelm Sponholz – “Purification Strategy for Total and Bet v 1-Specific IgE Enabling Functional and Glycosylation Analysis.”

Poster 37: Carolin Steinert – “The Sweet Side of IgE: Glycosylation Modulates Disease Severity in Peanut Allergy”

Poster 38: Shiva Raj Tripathi – “Exosomal miRNAs from Human Skin Mast Cells Reflect Circulating Signatures Observed During Severe Allergic Reactions.”

Poster 39: William Worrall – “Tissue distribution and phenotype of human mast cells in BRGSF and NSG-SGM3-IL15 humanized mice.”

Poster 40: Yujiao Xiang – “Inhibition of KIT-Associated Mast Cell Signaling Attenuates Respiratory Syncytial Virus-Induced Pathophysiology in Guinea Pigs.”

Poster 41: Neslim Ercan – “Deciphering the Immune Events Underlying Percutaneously Acquired Wheat Allergy.”

Poster 42: Paola Leonor Quan – “MRGPRX2-carrying extracellular vesicles and serum substance P trigger pro-inflammatory mast cell responses in cholinergic urticaria.”

Day 2 – June 11th (Thursday), 2026

Venue: Van Swieten Saal of the Medical University of Vienna

Address: Van-Swieten-Gasse 1a, 1090 Vienna, Austria

8:00 – 9:00 am: EMBRN General assembly

9:00 – 10:30 am: Oral session 5 – Joint session with the International Eosinophil Society (IES) – supported by AstraZeneca

Chairs: Francesca Levi-Schaffer & Stefan Frischbuter

9:00 – 9:10 am: Francesca Levi-Schaffer: Introduction of the EMBRN/IES partnership

9:10 – 9:30 am: Plenary Lecture 10: **Ariel Munitz:** “Cellular and Molecular Mechanisms of Eosinophilic Gastrointestinal Diseases.”

9:30 – 9:50 am: Plenary Lecture 11: **Jenny Hallgren-Martinson:** “The Role of IL 5 in Mast Cell Biology: Does It Matter?”

9:50 – 10:10 am: Plenary Lecture 12: **Nicola Diny:** “Eosinophil plasticity in the context of tissue adaptation.”

9:30 – 10:10 am: Plenary Lecture 13: **Joseph Jorssen:** “Single-cell omics identify eosinophil development and the role of IL-5 in lineage transit amplification.”

10:30 – 11:00 am: Coffee break

11:00 – 12:30 pm: Oral session 6 – supported by Genoskin

Chairs: Esther Borges Florsheim & William Worrall

11:00 – 11:20 am: Plenary Lecture 14: **Sabine Altrichter:** “Blood, sweat and mast cells – What we know about the pathophysiology of cholinergic urticaria.”

11:20 – 11:40 am: Plenary Lecture 15: **Nicolas Gaudenzio:** “Fetal origins of pediatric eczema and more...”

11:40 am – 12:00 pm: Plenary Lecture 16: **Tim Lämmermann:** “Mechanisms of Mast Cell Motility: Cytoskeletal Dynamics and Microenvironmental Crosstalk.”

12:00 – 12:10 pm: Oral abstract 8: **Elin Rönnerberg Höckerlind:** “IL-33 reshapes cell surface receptor expression on Human Lung Mast Cells”

12:10 – 12:20 pm: Oral abstract 9: **Jesus Lopez Castillo:** “Role of Mast Cells in the neuroinflammation induced by excitotoxic damage in the mouse striatum: cytokine production and degradation of perineuronal networks.”

12:20 – 12:30 pm: Oral abstract 10: **Yi-Kui Xiang:** “IgE-anti-TPO assay for diagnosing autoallergic chronic spontaneous urticaria: A cross-sectional, multicenter VANGUARD study.”

12:30 pm – 1:30 pm: Lunch break

1:30 pm – 3:00 pm: Oral session 7 – supported by Novartis

Chairs: Ashley St. John & Lilian Basso

1:30 – 1:50 pm: Plenary Lecture 17: **Sebastien Talbot:** “Pain neurons control allergic inflammation.”

1:50 – 2:10 pm: Plenary Lecture 18: **Alexander Eggel:** “Translational Applications of the Hoxb8 Mast Cell Progenitor Platform.”

2:10 – 2:20 pm: Oral abstract 11: **Xiaolei Su:** “Engineering mast cells to target solid tumors.”

2:20 – 2:30 pm: Oral abstract 12: **Songmin Ying:** “IL-5 CAR-T Cell Therapy: A Novel Targeted Approach for Eosinophil-Associated Disorders”

2:30 – 2:40 pm: Oral abstract 13: **Taras Baranovskyi:** “Intestinal IL-33-Dependent IgE Induction Aggravates Liver Disease in an FcεRIα-Mediated Manner.”

2:40 – 2:50 pm: Oral abstract 14: **Gyeongseo Suk:** “SelO controls mast cell effector function through AMPylation-dependent regulation of granule biogenesis.”

2:50 – 3:00 pm: Oral abstract 15: **Lea Madeleine Schmitter:** “Ingestion of mast cell granules boosts macrophages and drives atypical programming.”

3:00 – 3:30 pm Coffee break

3:30 pm – 4:35 pm: Oral session 8 – supported by Telios Pharma

Chairs: Anne Dudeck & Michael Mihlan

3:30 – 3:50 pm: Plenary Lecture 19: **Xiaoyu Hu:** “Intraepithelial mast cell: knowns and unknowns.”

3:50 – 4:00 pm: Oral abstract 16: **Regis Joulia:** “Single-cell spatial chart of the airway wall reveals mast cell interactions in health and asthma.”

4:00 – 4:10 pm: Oral abstract 17: **Jelle Folkerts:** “SARS-CoV-2 fragments activate human mast cells through MRGPRX2”

4:00 – 4:30 pm: Poster flash talks 11-20: **Md Abdul Alim, Diana Laura Esparza Reyes, Hanns Hahn, Aaron Hoffmann, Hind Hussein, Manqiu Jin, Liron Lerner, Morgane Thaminy, Magnus Tronstad, Jolien van Santbergen, Xinran Zhao**

4:45– 6:15 pm Poster session 2

Poster 1: Mikael Adner – “Selective KIT Inhibition Reveals Mast Cells as Key Drivers of Allergic Asthma Pathogenesis.”

Poster 2: Md Abdul Alim – “Mast Cell Specific Cyp11a1 Deficiency Promotes T Cell Mediated Immunity and Suppresses Tumour Metastasis in a Mouse Model of Melanoma.”

Poster 3: Ionut Atanasoai – “Uncovering the Proteomic Fingerprint of Hereditary Alpha-Tryptasemia in Comparison with Mastocytosis.”

Poster 4: Tarek Batakji – “Mast Cell–Derived Granules Impair Lung Epithelial Barrier Integrity without Inducing Cell Death.”

Poster 5: Diana Laura Esparza Reyes – “Stress-Induced Senescence Reprograms Mast Cells into Pro-Inflammatory Effectors.”

Poster 6: Stefan Frischbutter – “Mast cells drive eosinophil activation via GM-CSF-dependent and independent pathways.”

Poster 7: Han Gao – “Assessment of IgE-dependent Mast Cell Degranulation in Chronic Inducible Urticaria Driven.”

Poster 8: Hanns Hahn – “Charting mast cell and basophil differentiation in single-cell omics data via transcription-dynamics-informed optimal transport.”

Poster 9: Teal Hallstrand – “Mast cell progenitors are increased in the airways in asthma in association with airway dysfunction and T2 endotype.”

Poster 10: Tamara Haque – “TGF β Promotes Mast Cell Effector Function by Targeting Bruton's Tyrosine Kinase.”

Poster 11: Charlotte Hateb – “Development of an mRNA vaccine encoding the allergen Bet v 1 to treat birch pollen allergy.”

Poster 12: Bertha Alicia Hernández Mercado – “Fermentation products alter mast cell signaling pathways.”

Poster 13: Aaron Hoffmann – “Anchored for action: a dual role for integrin β 1 in mast cell perivascular positioning and vasoactivity to license leukocyte recruitment.”

Poster 14: Hind Hussein – “Single cell transcriptomics reveal mast cell heterogeneity in the human gut in health and Irritable Bowel Syndrome.”

Poster 16: Manqiu Jin – “Post-mitotic human skin mast cells exhibit senescence-associated signaling alterations and functional reprogramming.”

Poster 17: Régis Joulia – “Single-cell spatial chart of the airway wall reveals mast cell interactions in health and asthma.”

Poster 18: Konstantino Katsoulis Dimitriou – “Mast cells initiate lymphocyte egress from distant lymph nodes upon skin inflammation via a RANKL–sphingosine-1-phosphate axis.”

Poster 19: Liron Lerner – “Beyond Allergens: Tomato-Derived Aromatic Compounds Enhance MRGPRX2-Dependent Mast Cell Activation by Increasing Receptor Surface Availability.”

Poster 20: Jesus Lopez Castillo – “Role of Mast Cells in the neuroinflammation induced by excitotoxic damage in the mice striatum: cytokine production and degradation of perineuronal networks.”

Poster 21: Yanyan Luo – “Establishing Optimal Media Conditions for Investigating Mast Cell-Driven Bone Remodelling.”

Poster 23: Erika Mendez-Enriquez – “IL-33 upregulates the IL-5 receptor in lung mast cells, which maintains survival in growth factor–limited conditions.”

Poster 24: Ivo Nentwich – “Early changes in functional IgE activity during birch pollen immunotherapy assessed by a reporter cell-based assay: a proof-of-concept study.”

Poster 25: Shiran Niazov – “CD300a as a Potential Immune Checkpoint in Breast Cancer: Insights from in vivo and in vitro Models.”

Poster 26: Prince Ofori – “Investigating the Allergic Effector Unit in Atopic Dermatitis-like Environments”

Poster 27: Laia Ollé-Boix – “MITF-associated metabolic signature in mast cells: A potential link to anaphylaxis severity.”

Poster 28: Margarita Pashuk – “Mast cell activation test reveals IgG-dependent mechanisms beyond IgG against FcεRIα/IgE in chronic spontaneous urticaria.”

Poster 29: Adrian Piliponsky – “Siglec-6 And Siglec-8 Directed Bispecific Antibodies Engaging T Cells Can Deplete Mast Cells.”

Poster 31: Lea Madeleine Schmitter – “Ingestion of mast cell granules boosts macrophages and drives atypical programming.”

Poster 32: Jean Schneikert – “MRGPRX2 dual signaling and functional divergence after neuropeptide versus host defense peptide stimulation.”

Poster 33: Nana Shi – “A novel hollow microneedle platform for efficient and minimally invasive sampling of dermal interstitial fluid reveals tissue-specific biomarkers.”

Poster 34: Sibilė Šinkūnaitė – “Transcriptomic analysis of anti-IgE activated degranulated and non-degranulated basophils.”

Poster 35: Morgane K. Thaminy – “IL-4-expressing basophils influence the B cell extrafollicular pathway during lupus.”

Poster 36: Magnus Tronstad – “Data-driven inference of dynamic gene regulatory networks along the mast cell and basophil differentiation trajectories.”

Poster 37: Jolien Van Santbergen – “Immunology Innovation Program: Developing Antibodies Against Novel Targets via Co-Creation.”

Poster 38: Iris van Wissen – “Mast cell activation induced eosinophilia in pulmonary inflammation and atherosclerosis.”

Poster 39: Caterina Vizzardelli – “In vitro culture of human mast cells developed in NSG-Tg(hu-mSCF) mice represents a tool to imitate the immediate allergic reaction.”

Poster 40: Sofie Voet – “Developing Antibodies Against Novel Targets via Co-Creation.”

Poster 41: Sara Wernersson – “Seasonal Increase of Sputum Chymase in Allergic Asthma and Its Association with Asthma Control.”

Poster 42: Xinran Zhao – “Mast Cell Chymase and Human Lung Fibroblast Interaction: Mechanisms and Implications for Asthma.”

7:30 pm – 12:00 am Gala dinner (supported by the City of Vienna)

7:00 pm: Doors open

7:30 pm: Welcome note by the Mayor of Vienna

Venue: Wiener Rathauskeller (room: Rittersaal) in the Vienna City Hall

Address: Rathausplatz 1, 1010 Vienna, Austria

<https://maps.app.goo.gl/XZnzYfUbKSvZDu7x8>

Day 3 – June 12th (Friday), 2026

Venue: Van Swieten Saal of the Medical University of Vienna

Address: Van-Swieten-Gasse 1a, 1090 Vienna, Austria

9:00 – 10:30 am: Oral session 9 – supported by Ceva

Chairs: Aleksandra Dondalska & Régis Joulia

9:00 – 9:20 am: Plenary Lecture 20: **Cecilia Andersson:** “Illuminating Mast Cell Diversity: Novel Imaging Insights from the Human Lung.”

9:20 – 9:40 am: Plenary Lecture 21: **Adrian Piliponsky:** “Solute Carrier Proteins as Architects of Mast Cell Function.”

9:40 – 9:50 am: Oral abstract 18: **Nicolas Charles:** “A skin mast cell-basophil crosstalk promotes lupus-like photosensitivity.”

9:50 – 10:00 am: Oral abstract 19: **Tamara Haque:** “TGF β Promotes Mast Cell Effector Function by Targeting Bruton's Tyrosine Kinase.”

10:00 – 10:10 am: Oral abstract 20: **Nana Shi:** “A novel hollow microneedle platform for efficient and minimally invasive sampling of dermal interstitial fluid reveals tissue-specific biomarkers.”

10:10 – 10:20 am: Oral abstract 21: **Sibilé Šinkūnaitė:** “Transcriptomic analysis of anti-IgE activated degranulated and non-degranulated basophils.”

10:20 – 10:30 am: Oral abstract 22: **Mikael Adner:** “Selective KIT Inhibition Reveals Mast Cells as Key Drivers of Allergic Asthma Pathogenesis.”

10:30 – 11:00 am: Coffee break

11:00 – 12:20 pm: Oral session 10 – supported by Cogent Biosciences

Chairs: Jasmine Barra & Joakim Dahlin

11:00 – 11:20 am: Plenary Lecture 22: **Mrinmoy Das:** “Basophils in Skin-Gut Crosstalk: Bridging Atopic Dermatitis and Food Allergy.”

11:20 – 11:30 am: Oral abstract 23: **Teal Hallstrand:** “Mast cell progenitors are increased in the airways in asthma in association with airway dysfunction and T2 endotype.”

11:30 – 11:40 am: Oral abstract 24: **Manuel Stecher:** “Mitochondrial fusion mediator OPA1 regulates the maintenance of mast cell homeostasis.”

11:40 – 11:50 am: Oral abstract 25: **Charlotte Hateb:** “Development of an mRNA vaccine encoding the allergen Bet v 1 to treat birch pollen allergy.”

11:50 am – 12:00 pm: Oral abstract 26: **Margerie Lucille:** “A genome-wide CRISPR knockout screen identifies drivers of mast cell neoplasia.”

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12:00 – 12:10 pm: Oral abstract 27: **Daniel Ivanusic:** “Capicua acts as a positive regulator of granule-associated mediators in Human Skin Mast cells.”

12:10 – 12:20 pm: Oral abstract 28: **Konstantinos Katsoulis Dimitriou:** “Mast cells initiate lymphocyte egress from distant lymph nodes upon skin inflammation via a RANKL–sphingosine-1-phosphate axis.”

12:20 pm: Outlook to EMBRN 2028, concluding remarks and farewell

1:00 pm: End of conference