

# SCIENTIFIC PROGRAMME

(as of December 20, 2024)



ÖSTERREICHISCHE GESELLSCHAFT  
FÜR DERMATOLOGIE UND VENEROLOGIE

AUSTRIAN SOCIETY OF  
DERMATOLOGY AND VENEREOLOGY

# 10<sup>TH</sup> ÖGDV SCIENCE DAYS

## DEDICATED TO DERMATOLOGY RESEARCH IN AUSTRIA

January 23–25, 2025

aja Bergresort Werfenweng

Werfenweng, Austria



**ÖGDV SCIENCE DAYS  
ORGANIZING COMMITTEE**

Johanna Strobl (Wien) | Josefina Pinon Hofbauer (Salzburg)  
Nicole Golob-Schwarzl (Graz) | Susanne Kimeswenger (Linz)

[www.oegdv.at](http://www.oegdv.at)

THURSDAY, JANUARY 23, 2025

12:00-15:00 **WORKSHOP**

**Introduction to single cell analysis**

*Matthias Wielscher (Wien)*

15:00 – 15:45 **Get Together**

15:45-16:00 **Welcome & Introduction by Organizing Committee**

*Johanna Strobl (Wien), Josefina Pinon Hofbauer (Salzburg),  
Nicole Golob-Schwarzl (Graz), Susanne Kimeswenger (Linz)*

16:00-17:05 **Opening**

16:00 – 16:45 **Impulse talk: Why talking to each other advances (scientific) knowledge**

*Matthias Schmuth (Innsbruck)*

16:45 – 17:05 **Industry Talk – Eli Lilly**



**Rheumality - Lilly's innovative educational tool for rheumatology and more!**

*Constantin Engelbrecht (Wien)*

17:15 -18:45 **Session 1**

*Discussion leaders: Verena Wally, Georg Stary*

17:15 – 18:00 **In Situ Gene Editing as Next-Generation Therapy for Genodermatoses**

*Sarah Hedtrich (Berlin, Germany)*

18:00 – 18:15 **Type XVII collagen restoration via prime editing in junctional epidermolysis bullosa**

*Markus Hierl (Salzburg)*

18:15 – 18:30 **Investigating the mechanism of matrix production in a novel keloid model**

*Melanie Salek (Vienna)*

18:30 – 18:45 **Impact of glutamate metabolism and its inhibition on melanoma development and myeloid cells**

*Patrizia Stoitzner (Innsbruck)*

**18:45 – 19:00 Pitch your poster 1**

*Discussion leaders: Verena Wally, Georg Stary*

**P01 Patient with ADAM17 mutation-caused Neonatal Inflammatory Skin and Bowel Disease 1 responds to personalized treatment with IL-12B-inactivating antibody therapy (Ustekinumab)**

*Susanne Kimeswenger (Linz)*

**P02 The proteome of keratinocyte cultures from different types of non-lesional psoriatic skin exhibits distinct characteristics.**

*Renáta Bozó (Szeged, Hungary)*

**P03 Clinical Evaluation of Alpha-1-Acid Glycoprotein as a Novel Biomarker for Malignant Melanoma**

*Kende Lőrincz (Budapest, Hungary)*

**P04 Unique Trm Cells Define Atopic Dermatitis and Psoriasis**

*László Sajtos (Debrecen, Hungary)*

**P05 Impact of ultraviolet B on the circadian system**

*Viktória Németh (Pécs, Hungary)*

**P06 Cutibacterium acnes alters keratinocyte immune behavior by activating innate immune memory events**

*Fanni Balogh (Szeged, Hungary)*

**P07 Identification of clones by T-cell receptor V $\beta$  repertoire analysis supports diagnosis of leukemic cutaneous T-cell lymphoma**

*Johannes Woltsche, (Graz)*

**19:00 – 21:00 Dinner & Poster Walks**

**Three poster walks on the topics of**

- *Skin Microenvironment (P16, P21, P26, P28, P33, P57)*
- *Tumor Biology (P17, P24, P25, P30, P38, P46, P48) and*
- *Rare Diseases (P22, P23, P27, P49, P50, P55).*

FRIDAY, JANUARY 24, 2025

09:00 – 10:30 **Session 2**

*Discussion leaders: Simona Saluzzo, Robert Müllegger*

9:00 – 09:45 **Is there a pathophysiological role of autoreactive IgE?**  
*Sabine Altrichter (Linz)*

9:45 – 10:00 **Gene expression profiles and immune cell composition of generalized pustular psoriasis and acute generalized exanthematous pustulosis**  
*Theresa Benezeder (Graz)*

10:00 – 10:15 **JAK-inhibition re-directs skin inflammation from tissue destruction to pathogen clearance**  
*Regina Jin (Vienna)*

10:15 – 10:30 **Defining the Immunoregulatory Function and Transcriptomic Profile of Multinucleated Giant Cells in Cutaneous Sarcoidosis**  
*Aglaja Kopf (Vienna)*

10:30 – 10:45 **Pitch your poster 2**

*Discussion leaders: Simona Saluzzo, Robert Müllegger*

**P08 Identifying Aggressive Histological Subtypes of Basal Cell Carcinoma Utilizing Dermoscopically Guided High-Frequency Ultrasound**  
*Norbert Kiss (Budapest, Hungary)*

**P09 Investigation the efficacy of doxycyclin prophylaxis in preventing bacterial STIs**  
*Andras Banvolgyi (Budapest, Hungary)*

**P10 Novel variants in medium and low penetrance melanoma predisposing genes in a Hungarian familial melanoma malignum cohort**  
*Barbara Anna Bokor (Szeged, Hungary)*

**P12 Unlocking the potential of tumour necrosis factor inhibitors on the risk of atherosclerotic cardiovascular events in immune-mediated inflammatory diseases**

*Noémi Ágnes Galajda (Budapest, Hungary)*

**P13 Dysregulated T cells in skin cancer associated with recessive dystrophic Epidermolysis bullosa**

*Iris Gratz (Salzburg, Austria)*

10:45 – 11:15 **Coffee break**

11:15 – 13:00 **Session 3**

*Discussion leaders: Thomas Bauer, Wolfram Hötzenecker*

11:15 – 12:00 **Modelling rare skin disease in the laboratory**

*Edel O'Toole (London, UK)*

12:00 – 12:15 **Advanced Techniques for Detecting Senescent Cells in Dermatoporosis: A Non-Invasive Approach**

*Elia Cappuccio (Innsbruck)*

12:15 – 12:30 **Guarding the Gates: The hair canal prevents pathogenic dysbiosis of the skin**

*Lena Artner-Gent (Vienna)*

12:30 – 12:45 **Human type 17 tissue-resident memory T cells are dysfunctional in acute cutaneous graft-versus-host disease**

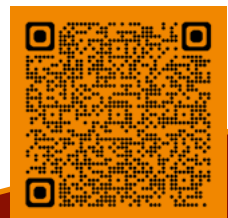
*Laura Marie Gail (Vienna)*

12:45 – 13:00 **Tissue-resident T cells in the Kaposi sarcoma tumor microenvironment**

*Anna Lagodka (Vienna)*

13:00 – 16:00 **Lunch & Poster viewing**

**TAKE  
A LOOK  
INTO THE  
ABSTRACT  
BOOK**



16:00 – 18:05 **Session 4**

*Discussion leaders: Beate Lichtenberger, Theresa Benezeder*

16:00 – 16:45 **Decoding the molecular design of skin**

*Maria Kasper (Solna, Sweden)*

16:45 – 17:05 **Industry Talk - Sanofi**

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17:05 – 17:20 **Immune programs in human dendritic cells upon immunization with *Chlamydia trachomatis***

*Katja Knapp (Vienna)*

17:20 – 17:35 **Unraveling the relationship between regulatory T cells and hair follicle immune privilege**

*Karoline Strobl (Vienna)*

17:35 – 17:50 **Mechanosensitive fibroblasts regulate tissue stiffness via LOX secretion in psoriasis**

*Karin Pfisterer (Vienna)*

17:50 – 18:05 **Neuropeptides in *Borrelia burgdorferi* transmission and skin infection**

*Sophie Therese Weninger (Vienna)*

19:00 **Dinner at Stroblhaus**

## SATURDAY, JANUARY 25, 2025

09:30 – 11:00 **Session 5**

*Discussion leaders: Daniela Weber, Christina Guttmann-Gruber*

9:30 – 10:15 **Mechanism of skin toxicity in immune checkpoint inhibitor-induced autoimmunity**

*Lukas Flatz (Tübingen, Germany)*

10:15 – 10:30 **Statins to fight aggressive skin cancer?**

*Daniela Stoica-Andrei (Salzburg)*

10:30 – 10:45 **Investigation of Metabolic and Secretory Pathways Driving Cutaneous Squamous Cell Carcinoma**

*Maria Cavinato (Innsbruck)*

10:45 – 11:00 **Adoptive cell therapy using skin resident gamma delta T cells to treat cutaneous squamous cell carcinoma**

*Giorgia Nasi (Salzburg)*

11:00 – 11:30 **Coffee break**

11:30 – 13:00 **Session 6**

*Discussion leaders: Tobias Fischer, Michael Mildner*

11:30 – 12:15 **Braking barriers - how epithelial barrier integrity is connected with human and planetary health**

*Claudia Traidl-Hoffmann (Augsburg, Germany)*

12:15 – 12:30 **Ultraviolet radiation and air pollution induce melanocyte senescence and contribute to human skin aging**

*Ines Martic (Innsbruck)*

12:30 – 12:45 **Chronological maturation of the skin immune barrier is topographically different**

*Anikó Kapitány (Debrecen, Hungary)*

12:45 – 13:00 **Tick feeding triggers lymph node homing of tolerogenic human epidermal Langerhans cells resulting in altered T cell activation**

*Lisa Kleissl (Vienna)*

13:00 **Prizes and closing remarks**

# ÖGDV SCIENCE DAYS 2025

## LIST OF POSTERS

accepted posters per November 18, 2024

**P01** | Patient with ADAM17 mutation-caused Neonatal Inflammatory Skin and Bowel Disease 1 responds to personalized treatment with IL-12B-inactivating antibody therapy (Ustekinumab)  
*Susanne Kimeswenger*

**P02** | The proteome of keratinocyte cultures from different types of non-lesional psoriatic skin exhibits distinct characteristics.  
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**P10** | Novel variants in medium and low penetrance melanoma predisposing genes in a Hungarian familial melanoma malignum cohort  
*Barbara Anna Bokor*

**P11** | Host Biomarkers and Antibiotic Tissue Penetration in Sepsis  
*Maria Sanz Codina*

**P12** | Unlocking the potential of tumour necrosis factor inhibitors on the risk of atherosclerotic cardiovascular events in immune-mediated inflammatory diseases  
*Noémi Ágnes Galajda*

**P13** | Dysregulated T cells in skin cancer associated with recessive dystrophic Epidermolysis bullosa  
*Iris Gratz*

**P14** | scRNA-seq Pathway Analysis with ReactomeGSA  
*Alexander Grentner*



**P15 | Exploring tBHP-induced senescence in melanocytes and its role in skin aging**

*Amina Hassan*

**P16 | Reactive lipids from the secretome of senescent fibroblasts modify the extracellular matrix with functional consequences for resident cells**

*Sarah Jelleschitz*

**P17 | Establishment of an in vivo RDEB-SCC humanized xenograft mouse model to study the effect of IL-17A on tumor progression**

*Amalia Sophianidis*

**P18 | ServEB: Integrating clinical, morphological and molecular information using data science and AI to optimize clinical research and care in Epidermolysis bullosa**

*Martin Geroldinger*

**P19 | Immunomodulatory effects of Selumetinib on RDEB-SCC cells**

*Sonja Dorfer*

**P20 | The impact of ER stress on  $\gamma\delta$  T cells in the tumor microenvironment**

*Julia Feiser*

**P21 | B cells in cutaneous inflammation**

*Sabina Gansberger*

**P22 | Increased circulating IL-17+ TRM are associated with squamous cell carcinoma in patients with recessive dystrophic epidermolysis bullosa**

*Teodora Aleksandrova*

**P23 | The impact of re-expression of type-XVII collagen on DNA methylation**

*Charlotte Neuchrist*

**P24 | Unraveling the role of a CD64+ DC population in melanoma**

*Christoph Tripp*

**P25 | The impact of the tumor microenvironment on  $\gamma\delta$  T cell function in squamous cell carcinoma in Epidermolysis bullosa**

*Leonie Schöffner*

**P26 | HDACs regulate skin fibroblast lineage commitment and fibrosis**

*Shaohua Zhu*

**P27 | TGF- $\beta$  induced changes in gene signatures related to pseudosyndactylies in epidermolysis bullosa**

*Lena Schmid*

**P28 | A diverse pool of oral mucosa-resident memory T cells protects against viral infection at the site of entry**

*Florian Winkler*

**P29 | A striking case of a single patient presenting with mycosis fungoides- and lymphomatoid papulosis-like lesions analyzed using single-cell RNA sequencing**

*Julia Staller*

**P30 | Development of an immunocompetent 3D bioprinted melanoma-on-chip model**

*Claudia Zelle-Rieser*

**P31 | Lipid imbalance as risk factor in sarcoidosis**

*Carolina Mayerhofer*

**P32 | Senescence and SASP: Relationship between GDF15 and Skin Aging**

*David Feldmann*

**P33 | HDAC1 as a regulator of CD4+ T cell maintenance in skin autoimmunity**  
*Maria Stigler*

**P34 | A psoriasis-like CD4+ T cell-mediated mouse model of skin autoimmunity**  
*Hanna Dannerbauer*

**P35 | Effects of immunomodulatory CAFs on macrophage polarization in melanoma**  
*Daria Kholodniuk*

**P36 | Investigation of Predictive Markers for Psoriasis Arthritis**  
*Shawn Ziegler-Santos*

**P37 | Assessment of 'omics-based biases in pathway analyses using ReactomeGSA**  
*Mitra Azad*

**P38 | Primary cutaneous follicle center lymphoma spans yet unrecognised subtypes including polyclonal reactions**  
*Inigo Oyarzun*

**P39 | Itchy and scratchy: adverse events induced by targeted EGFR-cancer therapy**  
*Marina Gladkova*

**P40 | First insights into the EB House Biobank: On the way towards an innovative large-scale analysis of clinical routine data**  
*Georg Zimmermann*

**P41 | Conservation and substitution of hair keratins during the evolution of cornified skin appendages**  
*Julia Steinbinder*

**P42 | scRNA-seq based characterisation of Alopecia areata questions the role of T cells in the clinical hair loss**  
*Martin Simon*

**P43 | TRIM28 controls epidermal homeostasis by regulating p53 activity**  
*Lisa Auer*

**P44 |  $\gamma\delta$  T cell and macrophage interplay within the ER stress tumor microenvironment**  
*Lara Ronacher*

**P45 | Several cases of pigment induced complications**  
*Anna Viktorova*

**P46 | Dissecting the role of cancer-associated fibroblasts and extracellular matrix dynamics in skin cancer**  
*Natalia Krajic*

**P47 | A case of fibroblastic tumor**  
*Anna Viktorova*

**P48 | Cancer-associated-fibroblast subsets shape the immune landscape of non-melanoma skin cancer**  
*Bertram Aschenbrenner*

**P49 | Immunogenic Cell Death (ICD) and ICD-dependent Dendritic Cell Activation triggered by Extracorporeal Photopheresis in CTCL**  
*Angelika Lackner*

**P50 | Analysing abnormal epidermal homeostasis in epidermolytic palmo-plantar keratosis (EPPK)**  
*Susanne Tollinger*

**P51 | Immune Responses against *Treponema pallidum* in human skin**  
*Julia Eder*

**P52 | Establishing a safe and effective LNP-mediated gene delivery system for correcting keratin mutations in the skin**

*Daniela Ortner-Tobider*

**P53 | Whole Slide Imaging for Keratinocyte Cancer Diagnosis: A High-Resolution Dataset for Machine Learning Research**

*Solmaz Haddady*

**P54 | Altered Ca<sup>2+</sup> homeostasis in keratinocytes of Darier disease patients might contribute to Th17-dominated skin infiltrate**

*Teresa Wagner*

**P55 | Transcriptional shifts at single-cell resolution in cutaneous sarcoidosis under mTOR inhibition**

*Kveta Brazdilova*

**P56 | Donor dependent variability of human CD34+ stemcell derived mast cells**

*Katayun Amouzeidi*

**P57 | Deciphering the tissue-resident memory T cells – antigen presenting cell axis in skin and mucosa of persons living with HIV**

*Moses Levi Kisakye Ntayi*

**P58 | Aqp5 mutations in patients suffering from palmoplantar keratoderma (Bothnian type)**

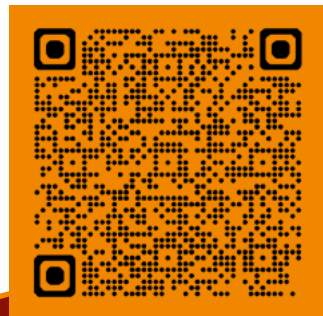
*Christine Siligan*

**P59 | Cell selection mechanisms in X-linked development and disease**

*Eleni Angelopoulou*

**P60 | Mechanical determinants of cell growth and survival in embryonic skin formation**

*Clara Schimmer*



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THE ABSTRACT BOOK**

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