



Concurrent session 1 :

Immunology I

Time: 15.00-16.30

Room: Auditorium 1

Chairs: tbd

- 1. 15.00-15.10**
Oral 015 [POSTER 001]
Human scalp hair follicles are protected from alopecia areata in vivo by regulatory $\gamma\delta$ T cells
A Keren,¹ N Goldstein,¹ M Bertolini,² R Kassem,³ R Paus^{4,5} and A Gilhar¹ *1 Technion – Israel Institute of Technology, Haifa, Israel, 2 Monasterium Laboratory, a QIMA Life Sciences Company, Münster, Germany, 3 Dermatology Department, Sheba medical Center, Tel Aviv University, Tel Aviv, Israel, 4 Department of Dermatology, University of Miami, Mia, FL and 5 CUTANEON – Skin & Hair Innovations, Hamburg, Germany*
- 2. 15.10-15.20**
Oral 016 [POSTER 262]
IL-4R α signaling protects against psoriasiform inflammation in mice with atopic dermatitis-like skin disease
S Willenborg, S Satzinger and SA Eming *Dermatology, University of Cologne, Cologne, Germany*
- 3. 15.20-15.30**
Oral 017 [POSTER 263]
TLR2: A Key to Mast Cell-Commensal Bacteria Interactions In the Skin
Y Chang,¹ S Alimohammadi,¹ k Matsuda Kuroki¹ and A Di Nardo^{2,1} *1 Dermatology, University of California San Diego, La Jolla, CA and 2 Dermatology, San Gallicano Dermatological Research Institute, IRCCS, Rome, Italy*
- 4. 15.30-15.40**
Oral 018 [POSTER 264]
Life without LIF: leukemia inhibitory factor down regulation affects immune responses and cell-cell adhesion in atopic dermatitis
Y Feller,^{1,2} Y Stein,¹ S Friedman,² H Volkov,² N Shomron,² A Unterman,¹ T Hagai,² O Sarig,¹ E Sprecher^{1,2} and L Samuelov^{1,2} *1 Tel Aviv Sourasky Medical Center, Tel Aviv, Israel and 2 Tel Aviv University, Tel Aviv, Israel*
- 5. 15.40-15.50**
Oral 019 [POSTER 002]
DAPK1 mediates keratinocyte apoptosis in lichen planus
NO Kurzen,¹ M Mubarak,^{1,2} J Eigemann,^{1,2} S Wasserer,¹ S Eyerich,² M Jargosch^{1,2} and F Lauffer¹ *1 Department of Dermatology and Allergy, Technical University of Munich, Munich,*



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Germany and 2 ZAUM-Center of Allergy and Environment, Technical University of Munich and Helmholtz Center Munich, Munich, Germany

6. 15.50-16.00

Oral 020 [POSTER 265]

Single-cell transcriptomic analysis identifies infiltrating plasmacytoid dendritic cells in psoriasis epidermis

L Luo,^{2,1} H Cheng,¹ Z Liu,¹ P Olszewski,² L Pasquali,¹ N Xu Landén,¹ M Enge,¹ A Pivarcsi,^{2,1} and E Sonkoly^{2,1} *1 Karolinska Institutet, Stockholm-17176 Sweden, Sweden and 2 Uppsala University, UPPSALA, Sweden*

7. 16.00-16.10

Oral 021 [POSTER 266]

CDH11 is a new modulator of fibrosis in Hidradenitis Suppurativa

C Al Youssef,^{1,2} J Flipo,¹ S Matar,^{1,2,3} P Kanaan,¹ P Sohier,^{1,3} S Aractingi^{1,2,3} and B Oulès^{1,2,3} *1 Institut Cochin, INSERM U1016, Cutaneous Biology Lab, PARIS, France, 2 Faculté de Santé - UFR de Médecine, Université Paris Cité, PARIS, France and 3 Department of Dermatology, Hôpital Cochin, AP-HP.Centre-Université Paris Cité, PARIS, France*

8. 16.10-16.20

Oral 022 [POSTER 267]

RNA-sequencing reveals common interferon-mediated inflammation in VEXAS syndrome, myelodysplasia cutis and Sweet syndrome

C Grolleau,^{1,2} M Battistella,³ T Poisot,² E Zakine,¹ H Le Buanec,² P Moguelet,⁴ J Bouaziz^{1,2} and F Chasset⁵ *1 Dermatology, Saint Louis Hospital, Paris, France, 2 INSERM U976, Saint Louis Hospital, Paris, France, 3 Pathology, Saint Louis Hospital, Paris, France, 4 Pathology, Saint Antoine Hospital, Paris, France and 5 Dermatology, Saint Antoine Hospital, Paris, France*

9. 16.20-16.30

Oral 023 [POSTER 268]

Aryl hydrocarbon receptor-signaling alters metabolic functions in eosinophils, a key player in inflammatory skin diseases

M Neumann,¹ H Olbrich,¹ S Murthy,¹ P Schilf¹ and C Sadik^{1,2} *1 University of Lübeck, Lübeck, Germany and 2 Center for Research on Inflammation of the Skin (CRIS), University of Lübeck, Lübeck, Germany*



Concurrent 2: Epidermal Structure and Function

Date: Thursday 5 September 2024

Time: 15.00-16.30

Room: Auditorium 2

Chairs: tbd

1. 15.00-15.10
Oral 024 [POSTER 169]
Loss of claudin-1 in keratinocytes induces itch transmitted by multiple types of sensory nerves
S Toshima,^{1,2} S Takahashi,¹ A Matsuyama,¹ A Kubo,^{2,3} M Amagai^{1,2} and T Okada¹ ¹ *RIKEN Center for Integrative Medical Science, Yokohama, Japan*, ² *Department of Dermatology, Keio University School of Medicine, Tokyo, Japan* and ³ *Division of Dermatology, Kobe University Graduate School of Medicine, Kobe, Japan*
2. 15.10-15.20
Oral 025 [POSTER 170]
CD271 neurotrophin receptor regulates skin homeostatic balance and inflammatory pattern in novel epidermal knock-out mouse models
M Quadri,¹ C Pellegrini,² M Fagnoli,² C Vaschieri,¹ R Lotti,¹ C Pincelli,¹ A Marconi¹ and E Palazzo¹ ¹ *University of Modena and Reggio Emilia, Modena, Italy* and ² *UNIAQ, L'Acquila, Italy*
3. 15.20-15.30
Oral 026 [POSTER 171]
Axon growth inhibitory molecule Nogo regulates epidermal innervation and sensation
A Matsuyama and T Okada *Center for Integrative Medical Sciences, RIKEN, Yokohama, Japan*
4. 15.30-15.40
Oral 027 [POSTER 172]
NFAT5 controls epidermal barrier function and inflammatory responses in the skin
F Kubo and S Werner *Biology, ETH Zurich, Zurich, Switzerland*
5. 15.40-15.50
Oral 028 [POSTER 173]
Constitutive HIF-1 α expression in the epidermis fuels proliferation and is essential for effective barrier formation
J Nätlitz,¹ J Boix² and R Wiesner² ¹ *Dermatology, University Hospital of Cologne, Cologne, Germany* and ² *Physiology, University of Cologne, Cologne, Germany*



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6. **15.50-16.00**
Oral 029 [POSTER 174]
IL-33 Modulates Filaggrin and Acid Ceramidase Expression in Epidermal Barrier Maintenance Post Tape Stripping in mice
M Hossain,¹ T Ansary,¹ M Komine¹ and M Ohtsuki¹ *Dermatology, Jichi Medical University, Shimotsukeshi, Japan*

7. **16.00-16.10**
Oral 030 [POSTER 175]
Collective cell migration of stratified epithelia in confined microenvironments
T Nohara,¹ K Natsuga,¹ Y Mai,¹ J Kumamoto,² M Nagayama,² T Oikawa³ and H Ujiie¹ *1 Dermatology, Hokkaido University, Sapporo, Japan, 2 Research Institute for Electronic Science, Hokkaido University, Sapporo, Japan and 3 Molecular Biology, Hokkaido University, Sapporo, Japan*

8. **16.10-16.20**
Oral 031 [POSTER 176]
Characterising Neurotransmitter Signalling in Human Skin and Hair Follicles
T Andriuskevicius,¹ A Rhodes,¹ L Knight,² P Hashemi¹ and CA Higgins¹ *1 Bioengineering, Imperial College London, London, United Kingdom and 2 Procter & Gamble, Reading, United Kingdom*

9. **16.20-16.30**
Oral 032 [POSTER 177]
Reconstructed Human Skin with Hypodermis Shows Essential Role of Adipose Tissue in Skin Metabolism and Homeostasis
S Gibbs,^{1,2} J Jager¹ and J Koning¹ *1 Molecular Cell Biology and Immunology, Amsterdam UMC, Amsterdam, Netherlands and 2 Oral Cell Biology, Academic Center for Dentistry, Amsterdam, Netherlands*



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Concurrent 3: Clinical Research and Epidemiology

Date: Thursday 5 September 2024

Time: 15.00-16.30

Room: 5A & B

Chairs: tbd

1. 15.00-15.10
Oral 033 [POSTER 073]
The mechanism of RIPK1 S331 O-GlcNAc glycosylation mediated by O-GlcNAc transferase to promote keratinocyte necroptosis in the pathogenesis of severe drug eruption
C Zhang, G Wang and M Fu *Dermatology, Xijing Hospital, Fourth Military Medical University, Xi'an, China*
2. 15.10-15.20
Oral 034 [POSTER 074]
Functional stratification of IL-22 producers reveals distinct transcriptomic pathways, epidermal hyperplasia, IL-8 production and IgE- *S. aureus* in atopic dermatitis
I García Jiménez,¹ L Sans de San Nicolàs,¹ L Curto Barredo,² M Bertol.n Colilla,² I Figueras Nart,³ A Ryzhkova,¹ M Ferran,² R Pujol² and LF Santamaria Babi¹ *1 Immunologia Translacional, Departament de Biologia Cel.lular, Fisiologia i Immunologia, Facultat de Biologia, Universitat de Barcelona (UB), Parc Científic de Barcelona (PCB), Barcelona, Spain, 2 Departament de Dermatologia, Hospital del Mar, Barcelona, Spain and 3 Departament de Dermatologia, Hospital de Bellvitge, L'Hospitalet de Llobregat, Spain*
3. 15.20-15.30
Oral 035 [POSTER 075]
COVID-19 vaccination is associated with decreased risk for pemphigus and pemphigoid while COVID-19 infection elevates the risk: A global population-based cohort study
P Curman^{1,2} and R Ludwig³ *1 Medical Epidemiology and Biostatistics, Karolinska Institutet, Stockholm, Sweden, 2 Medicine, Karolinska Institutet, Stockholm, Sweden and 3 Lübeck Institute of Experimental Dermatology, Lübeck, Germany*



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4. **15.30-15.40**
Oral 036 [POSTER 076]
CD8+CD103+ T cells can be reactivated by the culprit drug in DIHS/DRESS
T Fuiyama,¹ H Hashizume,² R Kageyama,¹ T Ito,¹ K Kurihara¹ and T Honda¹ ¹
Dermatology, Hamamatsu University School of Medicine, Hamamatsu, Japan and 2
Department of Public Health, Shizuoka Graduate University of Public Health, Shi, Japan
5. **15.40-15.50**
Oral 037 [POSTER 269]
The analysis of Marginal Zone B And B1 Cell Specific Protein (MZB1)-positive cells in atopic dermatitis
A Hata, T Komatsu-Fujii, T Kogame and K Kabashima *Kyoto University, Kyoto, Japan*
6. **15.50-16.00**
Oral 038 [POSTER 077]
Failure of JAK Inhibitors to Modulate TARC Levels in Atopic Dermatitis
L van der Gang, C Boesjes, EF Knol, F van Wijk and M de Bruin-Weller *UMCU, Utrecht, Netherlands*
7. **16.00-16.10**
Oral 039 [POSTER 078]
Remote Assessment of Psoriasis Severity with AI-based Automated Classification
MV Lucas, S Kamran, S Yip, B Lutnick, AP Shah, C Parmar, S Fakharzadeh, K Standish, L Miller and G Cula *Johnson & Johnson, New Brunswick, NJ, USA*
8. **16.10-16.20**
Oral 040 [POSTER 079]
Minimising drug exposure in psoriasis: development, validation and beta testing of a therapeutic drug monitoring dashboard
CM Thomas,¹ D Baudry,¹ M Arenas-Hernandez,² Z Arkir,² R Woolf,² A Pink,² J Barker,¹ JF Standing,³ C Smith¹ and S Mahil¹ ¹ *King's College London, London, United Kingdom, 2*
Guy's & St Thomas' Hospital, London, United Kingdom and 3 *University College London, London, United Kingdom*
9. **16.20-16.30**
Oral 041 [POSTER 080]
Immune Modules to Guide Diagnosis and Personalized Treatment of Inflammatory Skin Diseases
T Caplanusi,¹ J Di Domizio,¹ A Girardin,¹ R Gottardo,² C Conrad¹ and M Gilliet¹ ¹
Dermatology, University Hospital Lausanne CHUV, Lausanne, Switzerland and 2 *Biomedical Data Science Center, Lausanne, Switzerland*