



Concurrent 4: Immunology II

Date: Friday 6 September 2024

Time: 16.30-18.00

Room: Auditorium 1

Chairs: tbd

- 1. 16.30-16.40**
Oral 042 [POSTER 270]
Single cell multi-omic atlas of the immune response to systemic therapies in atopic eczema
T Jiang,¹ A Foster,² m consortium,^{1,2} F Capon,¹ C Smith,¹ S Mahil¹ and M Haniffa² ¹ *King's College London, London, United Kingdom* and ² *Wellcome Sanger Institute, London, United Kingdom*
- 2. 16.40-16.50**
Oral 043 [POSTER 003]
AhR agonism by tapinarof regulates TH2 and TH17 cell function in human skin
F Luther,¹ S Schärli,¹ L Taylor,² S Radonjic-Hoesli,¹ N Yawalkar,¹ D Simon¹ and C Schlapbach¹ ¹ *Dermatology, University Hospital Bern, Bern, Switzerland* and ² *Interfaculty Bioinformatics Unit and Swiss Institute of Bioinformatics, University of Bern, Bern, Switzerland*
- 3. 16.50-17.00**
Oral 044 [POSTER 004]
Dietary fish oil eliminates skin inflammation via decreasing Serpinb3b and Slc25a5 and increasing Cacna2d1
D Gruszka,² R Singh,² LC Tsoi,³ JE Gudjonsson³ and NL Ward^{1,2} ¹ *Vanderbilt U, Nashville, TN*, ² *Case Western Reserve U, Cleveland, OH* and ³ *U of Michigan, Ann Arbor, MI*
- 4. 17.00-17.10**
Oral 045 [POSTER 271]
Skin T cells in Atopic Dermatitis lack a profile indicative of IL-4 stimulation
C Bridgewood,¹ L Roesner,^{2,3} I Strickland,¹ E Hennes,¹ J Trincado,¹ B Oriol Tordera,¹ E Monzon Casanova,¹ O Uluçkan¹ and T Werfel^{2,3} ¹ *Almirall S.A, Barcelona, Spain*, ² *Department of Dermatology and Allergy, Hannover Medical School, Hannover, Germany* and ³ *Cluster of Excellence RESIST, Hannover Medical School, Hannover, Germany*



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5. **17.10-17.20**
Oral 046 [POSTER 272]
Functional alteration of MAIT cells in Hidradenitis Suppurativa patients
A Dumas, L Klepfisch, A Mosnier, J Nicolas, D Julien, M Vocanson and A Villani *CIRI-International Center for Infectiology Research, Lyon, France*

6. **17.20-17.30**
Oral 047 [POSTER 005]
Siglec-E attenuates MC903-induced atopic dermatitis by regulating the OX40L expression on dendritic cells and type 2 polarization
M Nakanishi,¹ R Tamagawa-Mineoka,¹ Y Arakawa² and N Katoh² *1 Dermatology, Kyoto Prefectural University of Medicine, Kyoto, Japan and 2 North Medical Center Kyoto Prefectural University of Medicine, Yosa, Japan*

7. **17.30-17.40**
Oral 048 [POSTER 273]
Ferroptosis accelerates inflammation in lichen planus and cutaneous lupus erythematosus
G Aydin, S Wasserer, J Eigemann, T Raunegger, T Biedermann, M Jargosch and F Lauffer
Department of Dermatology and Allergy, TUM, Munich, Germany

8. **17.40-17.50**
Oral 049 [POSTER 274]
Necroptosis-like cell death of infected DC contributes to protection against cutaneous leishmaniasis
T Horn,¹ M Reibetanz,¹ S Könen-Waisman,¹ H Kashkar² and E von Stebut¹ *1 Dept of Dermatology, University of Cologne, Köln, Germany and 2 Inst. for Molecular Immunology, University of Cologne, Cologne, Georgia*

9. **17.50-18.00**
Oral 050 [POSTER 006]
VSNL1 - a novel factor in keratinocytes that promotes psoriatic skin inflammation
J Eigemann,^{1,2} S Wasserer,¹ C Hillig,³ E Clayer,² T Biedermann,¹ S Eyerich,² M Jargosch^{1,2} and F Lauffer¹ *1 Department of Dermatology and Allergy, MRI TUM, Munich, Germany, 2 ZAUM, TUM and Helmholtz Munich, Munich, Germany and 3 Institute of Computational Biology, Helmholtz Munich, Munich, Germany*



Concurrent 5: Genetics, Stem Cells, Tissue Regeneration

Date: Friday 6 September 2024

Time: 16.30-18.00

Room: Auditorium 2

Chairs: tbd

1. **16.30-16.40**
Oral 051 [POSTER 478]
The epithelial derived mitochondrial protein, Myelin Protein Zero-like 3 (MPZL3), regulates sebaceous gland size and function
N Haberland,1 A Akhundlu,1 J Gherardini,1 J Cheret,1 R Stone,1 R Paus1,2 and I Wikramanayake1 1 *Dr. Phillip Frost Department of Dermatology and Cutaneous Surgery, University of Miami Miller School of Medicine, Miami, FL* and 2 *CUTANEON – Skin & Hair Innovations, Hamburg & Berlin, Germany*
2. **16.40-16.50**
Oral 052 [POSTER 230]
Exon skipping using systemic delivery of a novel antisense oligonucleotide for recessive dystrophic epidermolysis bullosa
G Mondon,2,1 V Nguyen,1 D Vieira-Rodrigues,3 L Garcia,3 A Hovnanian2,1 and M Titeux1,2 1 *Inserm U1163 - Institut Imagine, Paris, France*, 2 *Paris Cité University, Paris, France* and 3 *Versailles Saint-Quentin-en-Yvelines Université, Inserm U1179, Versailles, France*
3. **16.50-17.00**
Oral 053 [POSTER 479]
A new era in skin developmental research: Introducing an iPSC-derived skin organoid co-culture model
A Foster,1 C Admane,1,2 D Adao,1 F Torabi,1 N Gopee,2 E Winheim,1 L Verger,3 J Lee,4 K Koehler4 and M Haniffa1,2 1 *Wellcome Sanger Institute, Cambridge, United Kingdom*, 2 *Biosciences Institute, Newcastle University, Newcastle, United Kingdom*, 3 *Kennedy Institute of Rheumatology, University of Oxford, Oxford, United Kingdom* and 4 *Boston Children's Hospital, Boston, MA*
4. **17.00-17.10**
Oral 054 [POSTER 231]
Histone Deacetylase Inhibition Mitigates Fibrosis-Driven Disease Progression in Recessive Dystrophic Epidermolysis Bullosa
A Primerano,1 E De Domenico,1 F Cianfarani,1 D Cangelosi,2 P Uva,2 A Nystr.m,3 J



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Dengjel,⁵ S Ulisse,⁴ D Castiglia¹ and T Odoriso¹ *1 IDI-IRCCS, Rome, Italy, 2 IRCCS Istituto Giannina Gaslini, Genoa, Italy, 3 University of Freiburg, Freiburg, Germany, 4 Sapienza University, Rome, Italy and 5 University of Fribourg, Fribourg, Switzerland*

5. 17.10-17.20

Oral 055 [POSTER 232]

JAK Inhibitors to Restore Skin Barrier Function in a Mouse Model of Harlequin Ichthyosis

E Giusto,¹ E Jones,¹ A Ahmed,¹ D Cottle,² I Smyth,² M Caley,¹ E Rognoni¹ and EA O'Toole¹ *1 Centre for Cell Biology & Cutaneous Research, Blizard Institute, Queen Mary University of London, London, United Kingdom and 2 Faculty of Medicine, Nursing, Health science, Monash University, Clayton, ACT, Australia*

6. 17.20-17.30

Oral 056 [POSTER 233]

Targeting non-canonical NF- κ B signalling in CYLD cutaneous syndrome by selective inhibition of I κ B kinase alpha

K Hodgson,¹ J Inns,¹ G Reynolds,² E Stephenson,¹ A Frey,² M Trost,² M Haniffa,¹ S Mackay,³ N Perkins² and N Rajan¹ *1 Translational and Clinical Research Institute, Newcastle University, Newcastle upon tyne, United Kingdom, 2 Biosciences institute, Newcastle University, Newcastle upon tyne, United Kingdom and 3 Strathclyde Institute of Pharmacy and Biomedical Sciences, Glasgow, United Kingdom*

7. 17.30-17.40

Oral 057 [POSTER 234]

Targeting NOTCH Pathway by γ -Secretase Inhibitors to Counteract Fibrosis in Recessive Dystrophic Epidermolysis Bullosa

A Condorelli,¹ R Nobili,¹ A Muglia,¹ A Diociaiuti,¹ D Castiglia,² T Odoriso,² M El Hachem¹ and G Zambruno¹ *1 Bambino Gesù Children's Hospital, IRCCS, Rome, Italy and 2 Istituto Dermatologico dell'Immacolata-IRCCS, Rome, Italy*

8. 17.40-17.50

Oral 058 [POSTER 235]

Targeting p63alpha to reduce skin erosions in AEC syndrome

D Di Girolamo,^{1,3} G Urciuoli,² L D'auria,³ D Antonini¹ and C Missero^{1,3} *1 Dept of Biology, University of Naples Federico II, Naples, Italy, 2 University of Naples Federico II, Naples, Italy and 3 CEINGE Biotecnologie avanzate Franco Salvatore, Naples, Italy*

9. 17.50-18.00

Oral 059 [POSTER 480]

Induction of tissue-specific premature stem cell aging via DNA damage response dysregulation promotes senescence-like phenotypes in remote multiple organs

Y Ikuno,^{1,2} K Watanabe,² Y Kande,² A Narumoto,² D Ihara,² N Fujimoto¹ and H Naka-Kaneda² *1 Department of Dermatology, Shiga University of Medical Science, Otsu, Japan and 2 Department of Anatomy, Shiga University of Medical Science, Otsu, Japan*



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Concurrent 6: Melanoma, Other Skin Cancers, Photobiology

Date: Friday 6 September 2024

Time: 16.30-18.00

Room: 5A & B

Chairs: tbd

1. 16.30-16.40

Oral 060 [POSTER 381]

Endothelial progenitors: Unlocking Tumor Vessel Normalization to Overcome Therapeutic Challenges in Melanoma

L Sormani,¹ G Hashemi,¹ H Li,¹ C Zhou,¹ K Li,¹ S Chan,¹ SX Tan,¹ Q Nguyen,² E Roy¹ and K Khosrotehrani¹ ¹ *Frazer Institute, The University of Queensland, Brisbane, QLD, Australia* and ² *Institute for Molecular Bioscience, The University of Queensland, Brisbane, QLD, Australia*

2. 16.40-16.50

Oral 061 [POSTER 449]

From inflammation to melanocytes loss: how type I Interferons drive melanocyte senescence in vitiligo

R Merhi,^{1,2} L Migayron,^{1,3} S Leonard,⁴ C Drullion,¹ D Thiolat,¹ J Rambert,¹ T Darde,⁴ K Boniface¹ and J Seneschal^{1,2} ¹ *ImmunoConCepT CNRS UMR5164, Bordeaux, France*, ² *Dermatology, University Hospital of Bordeaux, Bordeaux, France*, ³ *R&D, SILAB, Brive-la-Gaillarde, France* and ⁴ *Scilicium, Rennes, France*

3. 16.50-17.00

Oral 062 [POSTER 382]

Selumetinib, identified by transcriptome-guided drug repurposing, targets highly aggressive RDEB-SCCs

S Dorfer,¹ R Zauner,¹ C Guttman-Gruber,¹ V Reichl,¹ M Ablinger,¹ S Gruner,¹ J Illmer,¹ J Bauer^{1,2} and V Wally^{1,2} ¹ *EB House Austria, Research Program for Molecular Therapy of Genodermatoses, Department of Dermatology and Allergology, University Hospital of the Paracelsus Medical University, Salzburg, Austria* and ² *Department of Dermatology and Allergology, University Hospital of the Paracelsus Medical University, Salzburg, Austria*

4. 17.00-17.10

Oral 063 [POSTER 383]

Investigation of immunotherapy for cutaneous squamous cell carcinoma using a tissue



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slice culture system

GS Coltart,¹ C Lai,¹ M Rose-Zerilli,² A Al-Shamkhani² and E Healy¹ *1 Clinical and Experimental Sciences, University of Southampton, Southampton, United Kingdom and 2 Cancer Sciences, University of Southampton, Southampton, United Kingdom*

5. 17.10-17.20

Oral 064 [POSTER 384]

Sodium chloride in the tumor microenvironment enhances T-cell metabolic fitness and cytotoxicity

C Chu,¹ S Sun,¹ M Gachechiladze¹ and C Zielinski^{1,2} *1 Infection Immunology, Leibniz-HKI, Jena, Germany and 2 Infection Immunology, Friedrich Schiller University Jena, Jena, Germany*

6. 17.20-17.30

Oral 065 [POSTER 385]

Indolent primary cutaneous B cell lymphoma represent persistent antigen reactions

J Griss,¹ S Gansberger,¹ I Oyarzun,¹ S Porkert,¹ W Weninger,¹ C Jonak¹ and P Brunner² *1 Dermatology, Medical University of Vienna, Vienna, Austria and 2 Department of Dermatology, Icahn School of Medicine at Mount Sinai, New York, USA*

7. 17.30-17.40

Oral 066 [POSTER 386]

Induction of tertiary lymphoid structures by chemokines and potentiation of the therapeutic effect of immunotherapy

M Yoshimitsu,¹ M Nakamura,¹ S Kano,¹ T Magara,¹ H Kato,¹ A Sakai,² M Sugiyama,² M Mizokami³ and A Morita¹ *1 Geriatric and Environmental Dermatology, Nagoya City University Graduate School of Medical Sciences, Nagoya, Japan, 2 Viral Pathogenesis and Controls, National Center for Global Health and Medicine, Ichikawa, Japan and 3 Genome Medical Sciences Project, National Center for Global Health and Medicine, Ichikawa, Japan*

8. 17.40-17.50

Oral 067 [POSTER 387]

Spatial proteomics reveals contribution of B cell-centered intercellular correlations to immunotherapy in Merkel cell carcinoma

M Nakamura,¹ D Ogata,² J Kato,³ M Yoshimitsu,¹ T Magara,¹ H Watanabe,¹ S Kano,¹ H Kato,¹ R Nakamura¹ and A Morita¹ *1 Department of Geriatric and Environmental Dermatology, Nagoya City University, Nagoya, Japan, 2 Department of Dermatologic Oncology, National Cancer Center Hospital, Tokyo, Japan and 3 Department of Dermatology, Sapporo Medical University, Sapporo, Japan*

9. 17.50-18.00

Oral 068 [POSTER 388]

MHC-I upregulation safeguards neoplastic T cells in the skin against NK cell-mediated



eradication in mycosis fungoides

Y Chang,¹ P Prompsy,¹ S Kimeswenger,² Y Tsai,¹ C Iselin,¹ L French,³ MP Levesque,⁴ P Brunner,⁵ W Hoetzenecker² and E Guenova¹ *1 Department of Dermatology, Centre Hospitalier Universitaire Vaudois, Lausanne, Switzerland, 2 Department of Dermatology and Venerology, Johannes Kepler University, Linz, Austria, 3 Department of Dermatology and Allergology, Ludwig-Maximilians-University of Munich, Munich, Germany, 4 Department of Dermatology, University Hospital of Zurich, Zurich, Switzerland and 5 Department of Dermatology, Icahn School of Medicine, New York, NY*