



**49<sup>th</sup> Annual Meeting  
of the  
Arbeitsgemeinschaft  
Dermatologische Forschung**

in collaboration with the  
Deutsche Dermatologische Gesellschaft (DDG)

February 22-25, 2023  
Innsbruck, Austria

By February 20, 2023

**Released by the  
Arbeitsgemeinschaft Dermatologische Forschung (ADF) e.V.**

**Meeting Venue**

**CCB, Universität Innsbruck, Innrain 80/82, 6020 Innsbruck, Österreich**  
**[Biocenter Innsbruck – Medical University of Innsbruck](https://biocenter.i-med.ac.at)**  
 **[\(https://biocenter.i-med.ac.at\), Hall L.EG 220/200](https://biocenter.i-med.ac.at)**

**Prior to the meeting contact the ADF office**  
**Tel: +49 (0)30 24 62 53 16; Fax: +49 (0)30 24 62 53 17**

**During the meeting**  
**Conference phone: +49 (0) 172 58 85 241**

**How to get there:**

The CCB Campus is situated near the City Centre of Innsbruck.

See: <https://www.uibk.ac.at/public-relations/veranstaltungen/standorte/innrain/anfahrt-ccb.html>

**Arrival by Public Transport**

**From Innsbruck Central Train Station:**

Take line M in the direction of Mentlbergsiedlung and get off at the "Chemieinstitut" stop.

**From Innsbruck Airport:**

Line F to the "Klinik/Universität" stop, 5-10 minutes walk via Innrain in western direction to CCB

Line F to "Main Station", change to line M in the direction of Mentlbergsiedlung, Stop Chemieinstitut

For detailed timetable and current information please visit [www.ivb.at](http://www.ivb.at) .

**Arrival by Car**

Leave the A 12 at exit 79 - Innsbruck-West in the direction of Innsbruck

Go straight on Egger-Lienz-Straße

Use one of the two left lanes to turn left onto Holzhammerstraße/B174

Turn right onto Innrain

The CCB is located on the left side.

# MEETING ORGANISATION

## Local Organisers

**Patrizia Stoitzner, Nikolaus Romani, Gudrun Ratzinger, Robert W. Gruber,  
Van Anh Nguyen, Christine Heufler-Tiefenthaler, Sandrine Dubrac, Matthias Schmuth**

Klinik für Dermatologie, Venerologie und Allergologie

Anichstraße 35, 6020 Innsbruck, Austria

## General Organisation, Registration, Hotel, Travel, Networking Program

ADF Office, Robert-Koch-Platz 7, 10115 Berlin, Germany

Contact: Elke Schmeckenbecher; Tel: +49 (0)30 24 62 53 16; E-Mail: info@adf-online.de

## Hotel Reservations

A list of hotels with special rates for the ADF Annual Meeting can be found on the ADF homepage <http://www.adf-online.de>

**Registration Fee**      Non-members:      € 90.00  
Members:              € 60.00 (Charged as membership fee!)

Students are free of charge upon demonstration of appropriate documents.

## Opening Hours of the Conference Bureau

Thursday, February 23, 2023	09:00-19:00
Friday, February 24, 2023	08:00-18:30
Saturday, February 25, 2023	08:30-13:00

**Oral Presentations(OP)**              Duration:      7 min.  
Discussion:      5 min.

**Projection**                      Talks will be presented by video projection only. Please bring your powerpoint presentation on a memory stick.  
Only presentations suitable for PC can be used (no Mac).  
All presentations have to be turned in at least 30 minutes prior to each session.

**Posters (P)**                      Important:  
***All Oral Presentations will also have to be presented as posters!***  
Size of poster boards: width 90 cm, height 135 cm.  
Mounting material will be provided.

## MEETING ORGANISATION

**During the ADF Annual Meeting, the following working groups will meet as follows**

<b>Wednesday, February 22, 2023:</b>	<b>Time</b>	<b>Room:</b>
WG01: Translational Dermatological Genetics <i>Chairs: C. Has; V. Oji</i>	13:00-17:00	L.EG.2020
WG07: Dermatological Endocrinology <i>Chairs: E. Peters, J. Naetlitz</i>	17:00-19:00	L.01.220
<b>Thursday, February 23, 2023:</b>		
WG02: Experimental Dermatooncology <i>Chair: T. Tueting</i>	09:00-12:30	L.EG.2020
WG03: Atopic Dermatitis and Skin Barrier <i>Chair: L. Eckhart, S. Weidinger</i>	09:30-12:30	M.01.470
WG04: Epidemiology & Health Service Research <i>Chair: C. Apfelbacher</i>	10:00-12:30	M.01.392
WG05: Experimental Allergology + Mast cells and Basophils <i>Chair: K. Hartmann, A. Kerstan</i>	10:00-12:15	L.01.220
WG06: Autoimmune blistering skin diseases <i>Chair: M. Sticherling</i>	09:00-12:30	M.01.490

The program of these working group meetings, including additional details (chair, contact person, etc.) which in some cases was not available at the time of program finalisation, can be found on the **ADF Homepage** ([www.adf-online.de](http://www.adf-online.de)).

### **The inner workings of the DFG:**

**13:00 – 13:30** (Hall L.EG 200/220 Together with a member from the DFG-review board (Fachkollegium) Dr. Jan Christian will provide insights in the possibilities of DFG funding and the decision process of applications.

**14:30 - 17:00** (Room tba): Dr. Jan Christian of the DFG will be available to discuss individual questions in 15 minutes time slots.

## About the 49<sup>th</sup> Annual Meeting of the Arbeitsgemeinschaft Dermatologische Forschung

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*Dear Colleagues and Friends,*

We would like to warmly welcome you to the 49<sup>th</sup> Annual Meeting of the Arbeitsgemeinschaft Dermatologische Forschung. This year, we have received 225 abstracts out of which we have chosen 30 for oral presentations based on the recommendations of the reviewers. In addition, speakers of three *Quo Vadis Lectures* will present up-to-date topics highlighting novel avenues for future research.

As in previous years, we have a number of awards to give to outstanding scientists. The prize winners of the two main ADF-Awards, the *Egon Macher Award* and the *Paul Langerhans Award* will present their work. Additionally the ADF/ECARF Award, awards for Dermato-Oncology and Translational Research Awards as well as one award specifically dedicated to Atopic Dermatitis research will be given this year. We are grateful to all foundations and supporters to enable the ADF to award these prizes.

The posters should be presented during the entire meeting to allow for vivid discussions during the ADF meeting. All oral presentations will also be exhibited as posters to facilitate informal interactions. During the *poster sessions*, *poster walks* will be organized focussing the discussion on specific themes. The best posters nominated by the poster committee will receive a poster award at the end of the meeting.

We are looking forward to this year's workshop, which is devoted to „*Novel approaches for skin research: inflammation, infection and cancer*“. Additional highlights of this year's annual meeting are the *Guenter Goerz Memorial Lecture* and the *Guest Lecture*, which will be given by Wolf-Henning Boehncke (Geneve) and Erwin Wagner (Vienna), respectively.

The ADF steering committee would like to thank the local organizers for their outstanding preparation of the meeting. We are looking forward to hearing your latest work at what we hope will be an enjoyable, informative and memorable ADF meeting in Innsbruck.

Thank you all for your participation and for your contribution to this meeting!

*Timo Buhl*  
*President*

*Mario Fabri*  
*Secretary*

*Georg Stary*  
*Treasurer*

The steering committee is very thankful to abstract reviewers, members of the poster committees and guides of poster walks.

### **Experts for abstract review**

S. Braun, Muenster	A. Kolios, Zurich	F. Peters, Muenster
B. Eberlein, Munich	F. Lauffer, Munich	F. Rademacher, Kiel
A. Elbe-Buerger, Vienna	B. Lichtenberger, Vienna	V. Raker, Muenster
M. Effern, Bonn	J. Mayer, Marburg	S. Saluzzo, Vienna
P. Esser, Freiburg	M. Mengoni, Magdeburg	A. Tasdogan, Essen
D. Gerloff, Halle/Saale	A. Nystroem, Freiburg	S. Wohlfeil, Mannheim
M. Jargosch, Munich	S. Patzelt, Luebeck	

### **Poster walks and poster committee**

**During the poster sessions, the following poster walks take place:**

- Adaptive Immunity (J. Hundt)
- Allergy & Atopic Dermatitis (C. Moebis)
- Cellular Biology (F. Peters)
- Computational Dermatology/AI (M. Farlik-Foedinger)
- Innate Immunity (L. Erpenbeck)
- Psoriasis & Inflammatory skin diseases (N. Garzorz-Stark)
- Translational Research (S. Saluzzo)
- Tumor Biology (T. Sinnberg)
- Tumor Immunology (T. Bald)

We thank *Eli Lilly GmbH, Janssen-Cilag Pharma GmbH, L'ORÉAL Deutschland GmbH and LEO Pharma GmbH* for their kind support.

**Please sign up for a poster walk at the registration desk. The meeting point will also be there.**

**All poster walkers are also members of the poster committee, which is coordinated by Natalie Garzorz-Stark and Matthias Farlik-Foedinger.**

**Thursday, February 23, 2023**

**12:30-13:00 Poster mounting and registration**

**Sponsored Satellite Symposia with Lunch**

**SatS01**

**13:00-13:15**

**Brennpunkt PSO/AD: Patientenfälle aus der Praxis**

**Speaker: Gudrun Ratzinger, Innsbruck**

**Sponsored by AbbVie GmbH**

**SatS02**

**13:15-13:30**

**TYK2 Inhibition in der Behandlung der  
Psoriasis vulgaris**

**Speaker: Gudrun Ratzinger, Innsbruck**

**Sponsored by Bristol-Myers Squibb GmbH**

**SatS03**

**13:30-13:45**

**Tebentafusp and ImmTAC-Plattform**

**Speaker: Howard Goodall, Abingdon**

**Sponsored by Immunocore Ltd. Syneos Health**

**Thursday, February 23, 2023**

**14:00-14:10**

**Welcome Address**

**M. Schmuth, T. Buhl, M. Fabri, G. Stary**

**14:10-15:10**

**Oral Presentations I**

**Chairs: M. Schmuth, J. Strobl**

**OP01/01 14:10  
(P005)**

**The gut microbiome is decisive in the outcome of allergic contact dermatitis**

N. Scheib, N. Roehrig, S. Muecklich, C. Becker, C. Reinhardt, J. Baines, R. Rosenstein, N. Kamenjarin, H. Probst, V. Raker, K. Steinbrink; Muenster, Mainz, Ploen, Tuebingen

**OP01/02 14:22  
(P020)**

**The transcription factor CEBPB drives lichenoid skin inflammation by mediating apoptosis, IFN-gamma signaling and favoring the secretion of type 1-related inflammatory factors**

M. Mubarak, M. Jargosch, C. Hillig, M. Menden, K. Eyerich, S. Eyerich; Munich, Neuherberg, Freiburg

**OP01/03 14:34  
(P152)**

**In cutaneous leishmaniasis, IL-1 release, and protective immunity depend on receptor-interacting serine/threonine-protein kinase (RIPK) 1/3 and Mixed Lineage Kinase Domain Like Pseudokinase (MLKL)-dependent cell death of DC**

T. Horn, B. Lorenz, M. Reibetanz, S. Koenen-Waisman, M. Fritsch, H. Kashkar, E. von Stebut; Cologne

**OP01/04 14:46  
(P090)**

**Neo-adjuvant immune checkpoint inhibition further boosts therapy response and prevents therapy resistance mechanisms**

S. Wohlfeil, C. Weller, B. Dietsch, V. Haefele, C. Sticht, S. Goerd, C. Géraud; Mannheim, Heidelberg

**OP01/05 14:58  
(P077)**

**Antigen-presenting cells from HCA2-KO mice are defective in inducing regulatory T cells**

R. Philippsen, T. Schwarz, A. Schwarz; Kiel

**15:10-15:20**

**ADF Award I**

(Short presentation of awardee)

**Paul Langerhans Award\***

E. von Stebut-Borschitz, M. Fabri

*\*The ADF thanks Amgen GmbH for the kind support.*



**Thursday, February 23, 2023**

**15:20-15:40 Quo Vadis Lecture I**  
T. Laemmermann, Freiburg:  
***Surprises from Intravital Imaging of Mouse Skin***  
Introduction: L. Erpenbeck

**15:40-16:10 Coffee Break & Best of ADF Summer School 2022**

*Sponsored by Eli Lilly Ges.m.b.H.*

**16:10-18:10 WORKSHOP**  
***Novel approaches for skin research: inflammation, infection and cancer***

Organisation/  
Moderation:

**M. Schmuth, P. Stoitzner, N. Romani**

16:10

S. Dubrac, Innsbruck

**3D skin equivalents to study atopic dermatitis**

16:40

M. Ausserlechner, Innsbruck

**Development of vascularized, 3D bioprinted Skin-on-chip**

17:10

D. Wilflingseder, Innsbruck

**In vitro disease models - from complexity to therapy**

17:40

Z. Trajanoski, Innsbruck

**Functional precision profiling in colorectal cancer**

**18:10-21:00 POSTER SESSION AND NETWORKING**

With snacks and drinks

*We Thank for the support by Sanofi-Aventis Deutschland GmbH.*

**Friday, February 24, 2023**

**08:30-09:30**

**Oral Presentations II**

**Chairs: S. Eyerich, B. Meier-Schiesser**

**OP02/01 08:30  
(P002)**

**Effector functions of human TH9 cells depend on PPAR $\gamma$ -regulated glucose metabolism**

F. Luther, O. Steck, N. Bertschi, C. Bazzini, I. Keller, J. Nuoffer, D. Simon, C. Schlapbach; Bern

**OP02/02 08:42  
(P113)**

**Chronic ER stress promotes cGAS/mtDNA-induced autoimmunity via ATF6 in myotonic dystrophy type 2**

S. Roesing, N. Eberl, F. Schmidt, A. Rapp, H. Schulze, S. Meisterfeld, U. Reuner, S. Beissert, P. Mirtschink, E. Bartok, C. Guenther; Dresden, Darmstadt, Bonn

**OP02/03 08:54  
(P098)**

**IL-13 is constitutively produced by a unique population of innate lymphoid cells in healthy skin leading to pro-Th2 imprinting**

J. Mayer, B. Berg, S. Riaz, K. Hilligan, J. Chandler, D. Eccles, S. Old, R. Domingues, J. Yang, G. Webb, L. Munoz-Erazo, E. Hyde, K. Wakelin, S. Tang, F. Brombacher, S. Chappell, S. von Daake, C. Mackay, A. Sher, R. Tussiwand, L. Connor, D. Gallego-Ortega, D. Jankovic, G. Le Gros, M. Hepworth, O. Lamiable, F. Ronchese; Marburg, Wellington, Bethesda, Manchester, Cape Town, Melbourne, Basel, Ultimo,

**OP02/04 09:06  
(P013)**

**Integrin-mediated cell-collagen communication is essential for robust fibroblastic mechanotransduction and development of fibrosis.**

M. Sawant, F. Wang, J. Koester, M. Nava, S. Ghata, A. Niehoff, P. Bruckner, S. Wickstroem, B. Eckes, T. Krieg; Cologne, Helsinki, Zurich, Muenster

**OP02/05 09:18  
(P107)**

**Adoptively transferred CD4+ T cells control established melanomas through indirect antigen-specific activation in the tumour microenvironment**

B. Kruse, A. Buzzai, N. Shridhar, A. Braun, S. Gellert, K. Knauth, J. Peters, M. Mengoni, T. van der Sluis, A. Krone, D. Yu, S. Hoehn, Y. Fu, M. Essand, R. Geffers, D. Mougikakos, S. Kahlfuss, H. Kashkar, E. Gaffal, W. Kastenmueller, A. Mueller, T. Tueting; Magdeburg, Uppsala, Braunschweig, Cologne, Wuerzburg

**09:30-10:00**

**POSTER SESSION (all even poster numbers)**

**10:00-10:30**

**POSTER SESSION (all odd poster numbers)**

We thank *Almirall Hermal GmbH* for their kind support of the coffee break.

**10:30-11:15**

**GUENTER GOERZ MEMORIAL LECTURE**

W.-H. Boehncke, Geneve

***Psoriasis – mirror image of trends in cutaneous biology***

Introduction: T. Buhl

We thank *Sartorius CellGenix GmbH* for their kind support.

**Friday, February 24, 2023**

**11:15-11:25**     ***In Memoriam Detlef Zillikens***  
R. Ludwig, Lübeck

**11:30-12:30**     **Oral Presentations III**  
**Chairs: N. Romani, A. Tasdogan**

**OP03/01 11:30**     **Deciphering the pathogenesis of a psoriasis-like-phenotype in a**  
**(P053)**                     **genetically engineered mouse line**  
S. Ghorbanalipoor, C. Hoesl, M. Schneider, B. Wagner, M. Dahlhoff;  
Vienna, Munich, Leipzig

**OP03/02 11:42**     **Noncanonical NF- $\kappa$ B signaling is inevitable for development of chronic**  
**(P123)**                     **contact hypersensitivity reaction (CHS)**  
R. Mehling, A. Kolb, B. Fischer, B. Fehrenbacher, I. Gonzales-Menendez,  
L. Quintanilla-Martinez, M. Schaller, D. Kramer, M. Roecken, B. Pichler,  
M. Kneilling; Tuebingen, Mainz

**OP03/03 11:54**     **Cell polarity signals inhibit field cancerization and SCC formation**  
**(P171)**                     O. Persa, U. Goebel, A. Dilthey, J. Stinn, S. Vorhagen, C. Niessen;  
Cologne, Munich

**OP03/04 12:06**     **Resetting the Epigenetic Machinery in Dysfunctional Macrophages**  
**(P010)**                     **by Sodium Butyrate Accelerates Healing of Diabetic Wounds**  
K. Singh, R. Pandey, A. Koroma, L. Krug, A. Hainzl, M. Wlaschek, P. Maity,  
K. Scharffetter-Kochanek; Ulm

**OP03/05 12:18**     **SERPINB3/B4 is an autoantigen driving the clinical phenotype of**  
**(P095)**                     **eczematous psoriasis**  
M. Jargosch, L. Freudenmann, Z. Kurgyis, E. Scala, J. Grosch, S. Blank,  
T. Biedermann, H. Rammensee, K. Eyerich, N. Garzorz-Stark;  
Munich, Tuebingen, Freiburg, Stockholm

**12:30-13:30**     **Lunchbreak**

**13:00 – 13:30**     **The inner workings of the DFG:**

Together with a member from the DFG-review board (Fachkollegium)  
Dr. Jan Christian will provide insights in the possibilities of  
DFG funding and the decision process of applications.

14:30 - 17:00 (Room tba): Dr. Jan Christian of the DFG will be available to discuss individual questions  
in 15 minutes time slots.

**Friday, February 24, 2023**

**13:30-14:30 Poster Walks**

- Adaptive Immunity (J. Hundt)
- Allergy & Atopic Dermatitis (C. Moebis)
- Cellular Biology (F. Peters)
- Computational Dermatology/AI (M. Farlik-Foedinger)
- Innate Immunity (L. Erpenbeck)
- Psoriasis & Inflammatory skin diseases (N. Garzorz-Stark)
- Translational Research (S. Saluzzo)
- Tumor Biology (T. Sinnberg)
- Tumor Immunology (T. Bald)

We thank *Eli Lilly GmbH, Janssen-Cilag Pharma GmbH, L'ORÉAL Deutschland GmbH and LEO Pharma GmbH* for their kind support.

Please sign up for a poster walk at the registration desk. The meeting point will also be there.

**14:30-15:30 Oral Presentations IV**

**Chairs: L. Erpenbeck, F. Lauffer**

**OP04/01 14:30 (P089)**

**IL-32 prevents keratinocyte necroptosis in lichen planus via induction of death associated protein kinase 1**

N. Kurzen, M. Jargosch, M. Mubarak, S. Eyerich, K. Eyerich, F. Lauffer; Munich, Freiburg

**OP04/02 14:42 (P181)**

**Inside the tumor microenvironment of malignant melanoma: Identifying regulatory players of early malignant transformation with single-cell multiomics**

A. Stubenvoll, M. Schmidt, H. Binder, H. Loeffler-Wirth, B. Frost, A. Ertel, M. Kunz; Leipzig

**OP04/03 14:54 (P207)**

**Dissecting and targeting HLA class II-positive melanoma cell states to overcome therapy resistance**

S. Stupia, A. Brueggemann, B. Thier, A. Sucker, F. Zhao, D. Schadendorf, A. Paschen; Essen

**OP04/04 15:06 (P188)**

**Th1/Tc1 tissue resident memory T cells mediate checkpoint blockade induced dermatitis and colitis**

R. Reschke, J. Shapiro, J. Yu, S. Rouhani, D. Olson, Y. Zha, T. Gajewski; Chicago

**OP04/05 15:18 (P100)**

**EBI2 marks CD8+ tissue-resident memory T cells of the skin**

L. Arendholz, J. Schwingen, F. Wanke, L. Freund, S. Moos, S. Ring, S. Graef, A. Brand, M. Kneilling, S. Casola, A. Waisman, F. Kurschus; Heidelberg, Mainz, Tuebingen, Milan

**Friday, February 24, 2023**

**15:30-15:50**      **Quo Vadis Lecture II**  
I. Gratz, Salzburg  
***Skin inflammation and cancer - Can we learn from rare genetic skin diseases?***  
Introduction: S. Eyerich

**15:50-16:00**      **ADF Awards II**  
(Short presentations of awardee)  
**Egon Macher Award\***  
K. Loser, M. Fabri  
*\*The ADF thanks AbbVie GmbH Deutschland for the kind support.*

**16:00-16:30**      **Break & Best of ADF Winter School 2023**  
  
*Sponsored by L'ORÉAL Deutschland GmbH*

**16:30-17:30**      **GUEST LECTURE**  
E. Wagner, Vienna  
***Inflammatory Skin & Joint Diseases:  
Lessons from pre-clinical Mouse Models***  
Introduction: G. Stary

We thank *Sartorius CellGenix GmbH* for their kind support.

**Friday, February 24, 2023**

**17:30-18:00    ADF Awards III**

**ADF Dermato Oncology Award\***

M. Kunz

**ADF/ECARF Award for European Allergy Research\*\***

F. Siebenhaar

**ADF Translational Research Awards\*\*\***

M. Kneilling

**ADF Atopic Dermatitis Research Award\*\*\*\***

M. Fabri

*Thanks from the ADF to the*

*\*Erwin & Irmgard Egner-Stiftung*

*\*\*European Centre for Allergy Research Foundation (ECARF)*

*\*\*\*Biogen GmbH*

*\*\*\*\*Sanofi-Aventis Deutschland GmbH*

**18:00-19:00    ADF General Assembly**

(for agenda please see ADF-Homepage, [www.adf-online.de](http://www.adf-online.de))

**19:30**

**Skin Research Forum**

Gotischer Keller, Hofburg Innsbruck, Rennweg 1, A - 6020 Innsbruck

**Saturday, February 25, 2023**

**09:00-10:00**

**Oral presentations V**

**Chairs: T. Haarmann-Stemann, S. Wohlfeil**

**OP05/01 09:00**

**Glutamine counteracts imiquimod-induced hypo-responsiveness in human CD8+ T cells**

L. Bopp, M. Lopéz Martinez, C. Schumacher, D. Neumayer, D. Lukas, J. Oh, S. Brodesser, B. Brachvogel, R. Klein Geltink, M. Fabri; Cologne, Vancouver, BC

**OP05/02 09:12  
(P015)**

**Mitochondrial DNA damage attenuates dermal fibrosis by inhibiting differentiation into myofibroblasts**

J. Naetlitz, J. Boix, L. Reiter, S. Eming, R. Wiesner; Cologne

**OP05/03 09:24  
(P148)**

**A single nucleotide polymorphism associated with eczema herpeticum in patients with atopic dermatitis suggests that collagen XXIII alpha 1 protects macrophages from HSV-1 infection**

M. Makmatov-Rys, L. Roesner, J. Zeitvogel, S. Traidl, S. Chopra, K. Doehner, E. Rodriguez, I. Harder, B. Sodeik, S. Weidinger, T. Schulz, T. Werfel; Hannover, Kiel

**OP05/04 09:36  
(P122)**

**Selective inhibition of ERK5 as a novel treatment option in epidermolysis bullosa acquisita**

A. Kasprick, S. Johannisson, M. Radziewitz, N. Gross, A. Wobig, C. Osterloh, N. Ernst, R. Ludwig, K. Bieber; Luebeck, Heidelberg

**OP05/05 09:48  
(P196)**

**A potential role of neutrophils in resistance to MAP-kinase inhibition in melanoma**

S. Wendlinger, J. Wohlfarth, C. Siedel, L. Erpenbeck, S. Meierjohann, M. Goebeler, B. Schilling; Wuerzburg, Muenster

**10:00-10:20**

**Quo Vadis Lecture III**

T. Bald, Bonn

***T cell regulation in cancer - releasing the breaks is not enough***

Introduction: L. Flatz

**10:20-11:10**

**POSTER SESSION (all even poster numbers)**

**11:10-12:00**

**POSTER SESSION (all odd poster numbers)**

**Saturday, February 25, 2023**

**12:00-13:00**

**Oral Presentations VI**

**Chairs: P. Stoitzner, B. Homey**

**OP06/01 12:00  
(P071)**

**A gene variant of AKR1C3 contributes to interindividual susceptibilities to atopic dermatitis triggered by particulate air pollution**

F. Hartung, C. Vogeley, S. Kress, D. Lang, S. Grether-Beck, A. Rossi, J. Krutmann, T. Schikowski, T. Haarmann-Stemann; Duesseldorf, Wuppertal

**OP06/02 12:12  
(P070)**

**Genetic knockout of hyaluronan synthesis in mice results in increased skin adipogenesis, a pro-inflammatory gene expression signature and exacerbated acute skin inflammation**

U. Anderegg, T. Wippold, A. Saalbach; Leipzig

**OP06/03 12:24  
(P121)**

**Dysfunctional CD19+CD24hiCD38hi transitional B cells in patients with pemphigus**

A. Polakova, D. Didona, J. Holstein, C. Baum, F. Solimani, K. Ghoreschi, M. Hertl, W. Pfuetzner, C. Moebs; Marburg, Tuebingen, Berlin

**OP06/04 12:36  
(P132)**

**Cutaneous adverse events induced by Tebentafusp, an anti-melanocytic bispecific molecule**

R. Staeger, A. Tastanova, E. Ramelyte, N. Winkelbeiner, R. Dummer, B. Meier-Schiesser; Zurich

**OP06/05 12:48  
(P012)**

**Research on skin cells unravels general mechanisms of neurological degeneration**

M. Wagner, G. Zhu, F. Khalid, K. Lindenberg, B. Landwehrmeyer, S. Kochanek, K. Scharffetter-Kochanek, M. Mulaw, S. Iben; Ulm

**13:00-13:20**

**POSTER AWARDS\***

**Chairs: N. Garzorz-Stark, C. Moebs, M. Fabri**

*\*The ADF thanks Almirall Hermal GmbH, Dr. August Wolff GmbH & Co. KG Arzneimittel, Lilly Deutschland GmbH and Sanofi Aventis Deutschland GmbH for their support.*

**13:20**

**Acknowledgements, Farewell, End of Meeting**

S. Eyerich, L. Erpenbeck, L. Flatz



**POSTER SESSIONS**

<b>All posters:</b>	<b>Thursday,</b>	<b>February 23,</b>	<b>18:10-21:00 Uhr</b>
<b>Even poster numbers:</b>	<b>Friday,</b>	<b>February 24,</b>	<b>09:30-10:00 Uhr</b>
	<b>Saturday,</b>	<b>February 25,</b>	<b>10:20-11:10 Uhr</b>
<b>Odd poster numbers:</b>	<b>Friday,</b>	<b>February 24,</b>	<b>10:00-10:30 Uhr</b>
	<b>Saturday,</b>	<b>February 25,</b>	<b>11:10-12:00 Uhr</b>

## Allergy

- P001**      **Role of myeloid cells and coagulation proteases in protease-activated receptor 2 (PAR2)-mediated skin inflammation**  
M. Fleischer, N. Roehrig, V. Raker, J. Springer, D. Becker, S. Ritz, M. Bros, H. Stege, M. Haist, S. Grabbe, J. Haub, C. Becker, S. Reyda, J. Disse, T. Schmidt, K. Mahnke, H. Weiler, W. Ruf, K. Steinbrink; Mainz, Muenster, La Jolla, Heidelberg, Milwaukee
- P002**      **Effector functions of human TH9 cells depend on PPARg-regulated glucose metabolism**  
(OP02/01) N. Bertschi, O. Steck, F. Luther, C. Bazzini, I. Keller, J. Nuoffer, D. Simon, C. Schlapbach; Bern
- P003**      **Responses of human skin mast cells to the G-protein biased MRGPRX2 agonist icatibant - differences in degranulation, activation, and signal transduction vis-à-vis balanced ligands**  
Z. Li, G. Bal, K. Franke, T. Zuberbier, M. Babina; Berlin
- P004**      **Mast cell-derived GM-CSF and physical interaction in the skin promotes bidirectional mast cell-eosinophil activation**  
X. Luo, S. Moñino-Romero, F. Levi-Schaffer, M. Maurer, S. Frischbutter; Berlin, Jerusalem
- P005**      **The gut microbiome is decisive in the outcome of allergic contact dermatitis**  
(OP01/01) N. Scheib, N. Roehrig, S. Muecklich, C. Becker, C. Reinhardt, J. Baines, R. Rosenstein, N. Kamenjarin, H. Probst, V. Raker, K. Steinbrink; Muenster, Mainz, Ploen, Tuebingen
- P006**      **Exploring the mechanisms during early tolerance induction in hymenoptera venom based immunotherapy**  
S. Aigner, V. Puxkandl, T. Burner, A. Lackner, S. Kimeswenger, W. Hoetzenecker, S. Altrichter; Linz, Berlin
- P007**      **Serological analyses minimize the need for skin tests in the diagnosis and during therapy of vespid venom allergy**  
M. Hollstein, S. Matzke, L. Lorbeer, S. Traidl, S. Forkel, C. Moebs, T. Fuchs, C. Lex, T. Buhl; Goettingen, Hannover, Marburg
- P008**      **A subgroup of atopic dermatitis patients displays a disease-severity associated type-2 response against skin bacteria**  
R. Pospich, L. Roesner, T. Werfel; Hannover

## Cellular Biology

- P009**            **Contribution of taurine, pyridoxine and pantothenic acid to the pathomechanism of pemphigus vulgaris**  
D. De Luca Laredo, R. Ludwig, A. Sharma, J. Folberth, D. Zillikens, E. Schmidt, M. Schwaninger, A. Dempfle, K. Boch, K. Bieber; Luebeck, Kiel
- P010**  
**(OP03/04)**        **Resetting the Epigenetic Machinery in Dysfunctional Macrophages by Sodium Butyrate Accelerates Healing of Diabetic Wounds**  
K. Singh, R. Pandey, A. Koroma, L. Krug, A. Hainzl, M. Wlaschek, P. Maity, K. Scharffetter-Kochanek; Ulm
- P011**            **Exploring Neutrophil Nuclear Dynamics and Neutrophil Extracellular Traps Using Expansion Microscopy**  
J. Holsapple, L. Schnitzler, L. Rusch, T. Baldeweg, E. Neubert, S. Kruss, L. Erpenbeck; Muenster, Bochum, Goettingen, Duisburg
- P012**  
**(OP06/05)**        **Research on skin cells unravels general mechanisms of neurological degeneration**  
M. Wagner, G. Zhu, F. Khalid, K. Lindenberg, B. Landwehrmeyer, S. Kochanek, K. Scharffetter-Kochanek, M. Mulaw, S. Iben; Ulm
- P013**  
**(OP02/04)**        **Integrin-mediated cell-collagen communication is essential for robust fibroblastic mechanotransduction and development of fibrosis.**  
M. Sawant, F. Wang, J. Koester, M. Nava, S. Ghatak, A. Niehoff, P. Bruckner, S. Wickstroem, B. Eckes, T. Krieg; Cologne, Helsinki, Zurich, Muenster
- P014**            **CREB is activated by the SCF/KIT axis in a partially ERK-dependent manner and is required for the survival and functional programs of human skin mast cells**  
K. Franke, G. Bal, Z. Li, T. Zuberbier, M. Babina; Berlin, Berlin
- P015**  
**(OP05/02)**        **Mitochondrial DNA damage attenuates dermal fibrosis by inhibiting differentiation into myofibroblasts**  
J. Naetlitz, J. Boix, L. Reiter, S. Eming, R. Wiesner; Cologne
- P016**            **The role of the Ca<sup>2+</sup> channel TRPV4 ion in epidermal barrier integrity**  
N. Reuscher, M. Jahn, S. Diehl, V. Lang, R. Kaufmann, I. Geistler-Al Madani, D. Ritzmann, T. Fauth, C. Buerger; Frankfurt, Zwingenberg
- P017**            **Altered protein synthesis in cellular senescence of human dermal fibroblasts**  
F. Nagelreiter, M. Schmid-Siegel, C. Heissenberger, K. Tav, Y. Gonskikh, M. Hengstschlaeger, N. Polacek, M. Schosserer; Vienna, Bern
- P018**            **Impact of the LRRC8 ion channel on epidermal differentiation**  
M. Jahn, V. Lang, S. Diehl, R. Kaufmann, O. Rauh, T. Fauth, C. Buerger; Frankfurt, Darmstadt, Zwingenberg
- P019**            **Beneficial effects of a plant extract mix in a psoriasis-like in vitro model**  
N. Heinemann, F. Rademacher, R. Glaeser, H. Vollert, J. Harder; Kiel, Bad Segeberg
- P020**  
**(OP01/02)**        **The transcription factor CEBPB drives lichenoid skin inflammation by mediating apoptosis, IFN-gamma signaling and favoring the secretion of type 1-related inflammatory factors**  
M. Mubarak, M. Jargosch, C. Hillig, M. Menden, K. Eyerich, S. Eyerich; Munich, Neuherberg, Freiburg

## SCIENTIFIC PROGRAMME

- P021**      **Genome-scale investigation of drug-induced termination codon-readthrough in a model system of epidermolysis bullosa**  
M. Wiessner, B. Zellinger, A. Friedrich, J. Zandanell, D. Hoelzl, S. Hainzl, U. Koller, J. von Hagen, L. Breitenbach-Koller, J. Bauer, R. Wagner; Salzburg, Giessen
- P022**      **Comparison of Different Senolytics for Treatment of Cellular Senescence in Human Skin Biopsies**  
L. Volkheimer, R. Panzer, F. Meiers, J. Mensch, A. Hartmann, T. Bernhardt, M. Walter, G. Fuellen, S. Emmert, L. Boeckmann; Rostock
- P023**      **The Adaptive Response of Old ABCB5+ MSCs is Changed Upon Exposure to LPS**  
P. Haas; Ulm
- P024**      **SnoRNAs alter fibroblast physiology through rRNA methylation**  
M. Schmid-Siegel, G. Yang, F. Nagelreiter, C. Heissenberger, K. Tav, M. Rocha, M. Prechtl, M. Hengstschlaeger, M. Kos, M. Schosserer; Vienna, Heidelberg, Vienna, Bern

### Chemokines/Cytokines

- P025**      **Diagnosing hand eczema by epidermal proteomics.**  
C. Mann, G. Ojak, J. Pawlowski, J. Wegner, P. Staubach, A. Berekmeri, M. Stacey, M. Wittmann; Mainz, Leeds
- P026**      **Development of an in vitro model for atopic dermatitis and evaluation of a novel therapeutic concept**  
N. Zoeller, S. Boeschel, M. Schultz, S. Kippenberger, M. Jahn, V. Lang, S. Diehl, R. Back, T. Fauth, R. Kaufmann, C. Buerger; Frankfurt, Zwingenberg
- P027**      **IL-9 promotes a pathogenic phenotype and enhances proliferation in skin-tropic Th cells**  
N. Bertschi, O. Steck, F. Luther, C. Bazzini, I. Keller, J. Nuoffer, D. Simon, C. Schlapbach; Bern
- P028**      **Endotypes of atopic dermatitis- Insights from a transcriptome analysis of three-dimensional skin equivalents stimulated with supernatant of lesional T-cells**  
S. Wasserer, M. Jargosch, T. Litman, S. Eyerich, F. Lauffer; Munich, Ballerup

### Clinical Research

- P029**      **Anti-IL-23 treatment in patients with omalizumab-refractory chronic spontaneous urticaria - a case series**  
H. Bonnekoh, L. Kiefer, T. Buttgereit, J. Scheffel, M. Maurer, M. Metz; Berlin
- P030**      **Kinome analysis of skin from mastocytosis patients offers new opportunities for treatment**  
N. Ernst, K. Bieber, K. Boch, D. von Bubnoff, R. Ludwig; Luebeck
- P031**      **Quantification of anti-microbial peptides using a novel multi-plex assay to stratify atopic dermatitis patients**  
N. Prayitno, L. Reinberga, S. Staender, H. Zirpel, D. Thaçi; Luebeck, Riga

## SCIENTIFIC PROGRAMME

- P032**      **Electrical impedance spectroscopy is less influenced by daily routine activities than transepidermal water loss in skin barrier function assessment**  
L. Huygen, P. Thys, A. Wollenberg, J. Gutermuth, I. Kortekaas; Brussels, Munich
- P033**      **Microbiome characterization of hidradenitis suppurativa reveals a dysbiotic skin microbiome improved upon clindamycin/rifampicin therapy**  
Y. Amar, V. Regert, S. Niedermeier, R. Silva, S. Kublik, B. Foesel, M. Schloter, T. Biedermann, M. Koeberle, T. Volz; Munich, Neuherberg
- P034**      **OCTOLAB - OCT optimized diagnosis and laser treatment of basal cell carcinomas in a closed-loop guided by artificial intelligence**  
S. Schuh, S. Kranz, P. Yilmaz, J. Thamm, C. Key, F. Mayorov, S. Eckert, O. Aykurt, G. Huettmann, T. Eixmann, I. Skambath, D. Hartmann, F. Kramer, J. Welzel; Augsburg, Luebeck
- P035**      **Prospective analysis of detailed body composition patterns in a cohort of patients with advanced cutaneous melanoma reveal novel predictive immunometabolic markers for survival**  
J. Naetlitz, O. Persa, L. Gerecht, J. Borggreffe, M. Schlaak, S. Theurich; Cologne, Munich, Berlin
- P036**      **An oil-in-water emulsion containing a combination of a lipophilic Zingiber officinale root extract and cannabidiol ameliorated symptoms of dry and eczema-prone skin and exhibited antipruritic properties in vivo**  
C. Neubauer, N. Maehler, K. Moritz, M. Soeberdt, M. Kragl, C. Abels; Neumarkt
- P037**      **Prognostic value of coagulatory markers in cutaneous lymphoma**  
K. Weimann, J. Koett, L. Torster, I. Hansen, I. Heidrich, G. Geidel, C. Gebhardt, N. Booken; Hamburg
- P038**      **Potentials of molecular differentiation between psoriasis and eczema in occupational dermatology.**  
P. Bentz, K. Eyerich, E. Weisshaar; Heidelberg, Freiburg
- P039**      **Effects of tralokinumab treatment on quantitative and qualitative measures of skin barrier function and biology in patients with moderate to severe atopic dermatitis.**  
D. Stoelzl, N. Sander, M. Fonfara, I. Harder, S. Szymczak, E. Rodriguez, H. Emmert, S. Weidinger; Kiel, Luebeck
- P040**      **Variable outcome of immunotherapy in advanced multiple cutaneous squamous cell carcinomas in two patients with recessive dystrophic epidermolysis bullosa**  
L. Trefzer, M. Hess, L. Scholten, K. Technau-Hafsi, F. Meiss, M. Boerries, C. Has, D. Rafei; Freiburg
- P041**      **Subcutaneous fat abundance and density are associated with an enhanced response to immunotherapy response in metastatic melanoma: a retrospective cohort study**  
M. Mengoni, A. Braun, M. Hinnerichs, T. Tueting, A. Surov; Magdeburg
- P042**      **Dynamic Optical coherence tomography (D-OCT) of chronic inflammatory skin disease psoriasis vulgaris: advanced tool for treatment monitoring?**  
M. Suembuel, J. Hartmann, I. Harder, L. Ha-Wissel, B. Dias Antunes, M. Kraske, S. Gerdes, S. Weidinger; Kiel, Luebeck

- P043**      **How to Biobank - The (LiquiMeL -) Biobank of the Fleur Hiege Center for Skin Cancer Research at the University Medical Center Hamburg-Eppendorf (UKE) presents itself**  
 I. Heidrich, J. Koett, G. Geidel, A. Ruenger, D. Smit, R. Greinert, P. Mohr, S. Schneider, K. Pantel, C. Gebhardt; Hamburg, Buxtehude
- P044**      **A combination of Zingiber officinale root extract and cannabidiol alleviates clinical symptoms of dry and eczema-prone skin in adults and children**  
 C. Neubauer, N. Maehler, K. Moritz, M. Soeberdt, M. Kragl, C. Abels; Neumarkt

## Dermato-Endocrinology

- P045**      **Additive and synergistic anti-inflammatory effects of cannabidiol and a lipophilic extract from Zingiber officinale root**  
 M. Soeberdt, M. Kragl, P. Filipek, T. Jakschitz, G. Bonn, C. Abels; Neumarkt, Innsbruck
- P046**      **Induction of p53 expression and its activity in immortalized SZ95 sebocytes upon treatment of arachidonic acid and linoleic acid**  
 A. Hossini, X. Hou, A. Rabien, E. Makrantonaki, C. Zouboulis; Dessau, Berlin
- P047**      **The immortalized human sebaceous gland cell line SZ95 exhibits no microsatellite instability**  
 A. Hossini, A. Birnbaum, K. Neumann, A. Rabien, O. Balthasar, E. Makrantonaki, C. Zouboulis; Dessau, Berlin
- P048**      **Dermal white adipose tissue regulates macrophage activation**  
 A. Ertel, S. Franz, A. Saalbach; Leipzig
- P049**      **Melatonin synergizes BRAF/MEK inhibitors-mediated mitochondria-dependent cell death and oncogenic cell signalling pathway in melanoma cells**  
 J. Moeller, A. Wolnicka-Glubisz, F. Neesen, C. Becker, V. Raker, R. Dreier, M. Tulic, M. Boehm, K. Steinbrink, K. Kleszczynski; Muenster, Krakow, Nice
- P050**      **Can activation of the alpha7 nicotinic acetylcholine receptor suppress endothelial to mesenchymal transition in fibrosis?**  
 A. Stegemann, Z. Pethoe, V. Raker, A. Schwab, K. Steinbrink, M. Boehm; Muenster

## Dermatopathology

- P051**      **Characterization and pharmacological inhibition of a novel adult antibody transfer model of pemphigus vulgaris**  
 S. Emtenani, M. Hofrichter, L. Komorowski, C. Probst, S. Patzelt, E. Schmidt; Luebeck
- P052**      **Anatomical expression of target antigens in autoimmune blistering dermatoses as markers for lesion formation**  
 T. Rastegar Lari, H. Dikmen, I. Weyers, K. Kalies, E. Schmidt, S. Emtenani; Luebeck
- P053 (OP03/01)**      **Deciphering the pathogenesis of a psoriasis-like-phenotype in a genetically engineered mouse line**  
 S. Ghorbanalipoor, C. Hoesl, M. Schneider, B. Wagner, M. Dahlhoff; Vienna, Munich, Leipzig

## SCIENTIFIC PROGRAMME

- P054**      **Role of leucine-rich repeats and immunoglobulin-like domains (LRIG)-3 in skin homeostasis and cancer development**  
S. Ghorbanalipoor, G. Schoedl, B. Wagner, M. Dahlhoff; Vienna
- P055**      **Unravel principles of the biomolecular network in pemphigus vulgaris**  
V. Hartmann, W. Hariton, S. Rahimi, S. Guo, C. Hammers, E. Mueller, R. Ludwig, H. Busch, J. Hundt; Luebeck, Bern, Kiel
- P056**      **Elevated levels of soluble FcεRI as a biomarker of early and good response to omalizumab treatment in chronic spontaneous urticaria**  
S. Moñino-Romero, P. Kolkhir, T. Ohanyan, Z. Szépfalusi, K. Weller, M. Metz, J. Scheffel, M. Maurer, S. Altrichter; Berlin, Vienna, Linz
- P057**      **Antibodies against integrin 64 are internalized in vitro but fail to induce a clinical phenotype of mucous membrane pemphigoid in vivo**  
G. Du, S. Emtenani, D. Niese, M. Kamaguchi, A. Goekce, M. Hofreiter, R. Ludwig, S. Goletz, G. Zhou, E. Schmidt, S. Patzelt; Luebeck, Wuhan, Wuhan University
- P058**      **Assessment of Cold Atmospheric Pressure Plasma as Innovative Therapy for Treatment of Radiation Dermatitis using a Mouse Model**  
T. Bernhardt, C. Schlie, R. Panzer, S. Kriesen, K. Manda, G. Hildebrandt, O. Stachs, S. Bekeschus, B. Vollmar, S. Emmert, L. Boeckmann; Rostock, Greifswald
- P059**      **Investigating diversity among dendritic cell subsets across age, gender and health states in mice skin.**  
S. Riaz, C. Lewe, B. Berg, J. Mayer; Marburg
- P060**      **Environmental impact on S. aureus: Secretome differences between healthy and Atopic Eczema isolates**  
J. Afghani, L. Klepper, M. Reiger, P. Schmitt-Kopplin, C. Mueller, C. Traidl-Hoffmann; Augsburg, Freising, Davos, Neuherberg

## Epidemiology

- P061**      **Prevalence of self-reported and physician-diagnosed psoriasis in an adult general population sample: Results from the Study of Health in Pomerania**  
K. Drewitz, T. Ittermann, A. Arnold, H. Voelzke, C. Apfelbacher, K. Piontek; Magdeburg, Greifswald
- P062**      **Relationship between periodontitis and psoriasis: A two-sample Mendelian randomization study**  
H. Baurecht, D. Freuer, C. Welker, L. Tsoi, J. Elder, B. Ehmke, M. Leitzmann, B. Holtfreter, S. Baumeister; Regensburg, Augsburg, Michigan, Muenster, Greifswald
- P063**      **Frequencies and risk factors of atopic dermatitis and psoriasis in different regions of Germany - results of the German National Cohort (NAKO)**  
M. Fahn, D. Stoelzl, M. Leitzmann, W. Lieb, S. Weidinger, H. Baurecht; Regensburg, Kiel
- P064**      **The association of psoriasis with mental disorders in adults: Results from a cross-sectional population-based cohort study**  
K. Piontek, K. Drewitz, A. Arnold, H. Grabe, H. Voelzke, C. Apfelbacher; Magdeburg, Greifswald
- P065**      **Dipeptidyl-peptidase IV inhibitor-associated autoimmunity: Assessing the of risk of 24 autoimmune diseases by a global population-based study**  
K. Kridin, R. Ludwig; Luebeck, Safed

## SCIENTIFIC PROGRAMME

- P066**      **Rituximab is associated with decreased risk of long-term cardiovascular and metabolic outcomes in pemphigus- A propensity-matched global study**  
K. Kridin, R. Ludwig; Luebeck, Safed
- P067**      **Obesity increases the risk for chronic, non-communicable inflammatory diseases**  
S. Mousavi, H. Zirpel, A. Vorobyev, C. Papara, D. De Luca, K. Bieber, D. Thaçi, K. Kridin, R. Ludwig; Luebeck, Safed
- P068**      **Mortality in eight autoimmune bullous diseases: A global large-scale retrospective cohort study**  
K. Boch, H. Zirpel, D. Thaçi, R. Ludwig, K. Kridin; Luebeck, Safed

### Genetics

- P069**      **CARD14-associated papulosquamous eruption with STAT3 activation responsive to anti-IL-17 antibody treatment**  
B. Klein, R. Treudler, K. Dumann, A. Boldt, I. Schumann, J. Simon, M. Kunz; Leipzig
- P070**  
**(OP06/02)**      **Genetic knockout of hyaluronan synthesis in mice results in increased skin adipogenesis, a pro-inflammatory gene expression signature and exacerbated acute skin inflammation**  
U. Anderegg, T. Wippold, A. Saalbach; Leipzig
- P071**  
**(OP06/01)**      **A gene variant of AKR1C3 contributes to interindividual susceptibilities to atopic dermatitis triggered by particulate air pollution**  
F. Hartung, C. Vogeley, S. Kress, D. Lang, S. Grether-Beck, A. Rossi, J. Krutmann, T. Schikowski, T. Haarmann-Stemann; Duesseldorf, Wuppertal
- P072**      **Relationship between genetically proxied vitamin D and psoriasis: a Mendelian randomization study**  
P. Bohmann, M. Stein, J. Konzok, L. Tsoi, J. Elder, M. Leitzmann, S. Baumeister, H. Baurecht; Regensburg, Ann Arbor, Muenster
- P073**      **Evolutionary diversification of epidermal barrier genes in vertebrates**  
A. Sachslehner, M. Surbek, K. Holthaus, L. Eckhart; Vienna
- P074**      **Amino acid substitution in the cysteine-rich region of the integrin beta 4 subunit causes mild late onset junctional epidermolysis bullosa without extracutaneous involvement**  
Y. Wang, A. Hotz, P. Esser, J. Fischer, C. Has; Freiburg

### Health Services Research

- P075**      **Longitudinal validity of the Hyperhidrosis Quality of Life Index (HidroQoL ©): responsiveness and MID values over time using data from a phase III b clinical trial**  
M. Gabes, T. Donhauser, G. Kann, C. Masur, P. Kamudoni, S. Salek, C. Abels, C. Apfelbacher;  
Magdeburg, Regensburg, Bielefeld, Cardiff, Hertfordshire

## Immunology

- P076**      **How neutrophils influence skin colonization and persistence of *Staphylococcus aureus***  
J. Focken, B. Schittek; Tuebingen
- P077**  
**(OP01/05)**      **Antigen-presenting cells from HCA2-KO mice are defective in inducing regulatory T cells**  
R. Philippsen, T. Schwarz, A. Schwarz; Kiel
- P078**      **Deciphering the Role of Immunogenic Cell Death in Extracorporeal Photopheresis**  
A. Lackner, T. Burner, A. El-Gazzar, V. Buxhofer-Ausch, M. Geroldinger-Simic, S. Kimeswenger, W. Hoetzenecker; Linz
- P079**      **Withdrawn!**
- P080**  
**(OP05/01)**      **Imiquimod perturbs amino acid metabolism in human CD8+ T cells**  
L. Bopp, M. Lopéz Martinez, C. Schumacher, D. Neumayer, D. Lukas, J. Oh, S. Brodesser, B. Brachvogel, R. Klein Geltink, M. Fabri; Cologne, Vancouver, BC
- P081**      **Role of CD4+ T cells in occurrence of irAEs in patients with stage III/IV melanoma during treatment with immune checkpoint inhibitors**  
T. Jakovljevicova, F. Hilke, A. Philipp, M. Schlaak, T. Eigentler, K. Ghoreschi, F. Solimani; Berlin
- P082**      **The immune landscape of psoriasis based on single-cell transcriptomic analysis implies prominent roles of IL-18 and IL-32 in the disease pathogenesis**  
B. Frost, M. Schmidt, B. Klein, A. Stubenvoll, A. Saalbach, M. Kunz; Leipzig
- P083**      **Virus-infected mast cells directly activate virus-specific CD8+ T Cells**  
Y. Hackler, F. Siebenhaar, M. Maurer, M. Munoz; Berlin
- P084**      **The transcription factor ATF3 distinguished between innate and adaptive immunity**  
M. Knoll, S. Reinknecht, A. Yazdi, M. Roecken; Tuebingen, Aachen
- P085**      **Expression and function of the endocytic receptor DEC205 in endothelial cells**  
S. Singh, S. Ring, E. Alexander, K. Mahnke; Heidelberg
- P086**      **Analysis of DEC205 expression by neutrophils in naive mice and under inflammatory conditions**  
S. Jin, L. Chen, S. Ring, A. Enk, K. Mahnke; Heidelberg
- P087**      **The role of the NLRP3 inflammasome in Langerhans cells for pathogenesis of vitiligo**  
H. Strandt, D. Ortner-Tobider, F. Hornsteiner, S. Dieckmann, C. Tripp, P. Stoitzner; Innsbruck
- P088**      **Association of polymorphous light eruption with NOD-2 and 1 TLR-5 gene polymorphisms and GvHD**  
B. Kurz, S. Arndt, P. Unger, I. Ivanova, M. Berneburg, C. Hellerbrand, S. Karrer; Regensburg, Erlangen
- P089**      **IL-32 prevents keratinocyte necroptosis in lichen planus via induction of death**



## SCIENTIFIC PROGRAMME

- (OP04/01) associated protein kinase 1**  
N. Kurzen, M. Jargosch, M. Mubarak, S. Eyerich, K. Eyerich, F. Lauffer; Munich, Freiburg
- P090 (OP01/04) Neo-adjuvant immune checkpoint inhibition further boosts therapy response and prevents therapy resistance mechanisms**  
S. Wohlfeil, C. Weller, B. Dietsch, V. Haefele, C. Sticht, S. Goerdts, C. Géraud; Mannheim, Heidelberg
- P091 Unraveling the role of an Inflammatory-induced CD64+ DC population in melanoma**  
J. Vierthaler, F. Hornsteiner, H. Strandt, S. Diekmann, C. Tripp, M. Kanduth, S. Morla, G. Wollmann, P. Stoitzner; Innsbruck
- P092 Laminin beta 4 is a constituent of the cutaneous basement membrane zone and autoantigen of anti-p200 pemphigoid**  
S. Goletz, M. Pigors, T. Rastegar Lari, C. Hammers, Y. Wang, S. Emtenani, M. Aumailley, M. Holtsche, F. Stang, I. Weyers, I. Koenig, C. Has, C. Radzimski, L. Komorowski, D. Zillikens, E. Schmidt; Luebeck, Freiburg, Cologne
- P093 The impact of glycosylation on IgG2-induced signaling in neutrophils**  
C. Papara, J. Buhre, M. Wuhler, R. Ludwig, M. Ehlers, K. Bieber; Luebeck, Leiden
- P094 C5aR2 contributes to neutrophil activation and function during the pathogenesis of epidermolysis bullosa acquisita**  
D. Seiler, M. Kleingarn, K. Kaehler, C. Gruner, J. Schanzenbacher, C. Sadik, K. Bieber, R. Ludwig, B. Afzali, J. Koehl, C. Kemper, C. Karsten; Luebeck, Bethesda, MD, Cincinnati, OH
- P095 (OP03/05) SERPINB3/B4 is an autoantigen driving the clinical phenotype of eczematous psoriasis**  
M. Jargosch, L. Freudenmann, Z. Kurgys, E. Scala, J. Grosch, S. Blank, T. Biedermann, H. Rammensee, K. Eyerich, N. Garzorz-Stark; Munich, Tuebingen, Freiburg, Stockholm
- P096 Environmental antigens may cross-activate the psoriatic autoimmune response against melanocytes in psoriasis**  
T. Ishimoto, Y. Arakawa, S. Vural, S. Vollmer, M. Delcommenne, Y. Poluektov, A. Arakawa, J. Prinz; Munich, Woburn, MA
- P097 Uncovering neutrophil behavior during pathological ECM remodeling**  
E. Neubert, C. Wijnbeek, K. Besmueller, E. Danen; Leiden
- P098 (OP02/03) IL-13 is constitutively produced by a unique population of innate lymphoid cells in healthy skin leading to pro-Th2 imprinting**  
J. Mayer, B. Berg, S. Riaz, K. Hilligan, J. Chandler, D. Eccles, S. Old, R. Domingues, J. Yang, G. Webb, L. Munoz-Erazo, E. Hyde, K. Wakelin, S. Tang, F. Brombacher, S. Chappell, S. von Daake, C. Mackay, A. Sher, R. Tussiwand, L. Connor, D. Gallego-Ortega; Marburg, Wellington, Bethesda, Manchester, Cape Town, Melbourne, Basel, Ultimo, -
- P099 Glucocorticoids contribute to the resolution of inflammation by altering monocytes phagocytosis**  
Y. Kusche, K. Vischedyk, K. Barczyk-Kahlert, J. Roth, J. Ehrchen; Muenster
- P100 (OP04/05) EBI2 marks CD8+ tissue-resident memory T cells of the skin**  
L. Arendholz, J. Schwingen, F. Wanke, L. Freund, S. Moos, S. Ring, S. Graef, A. Brand, M. Kneilling, S. Casola, A. Waisman, F. Kurschus; Heidelberg, Mainz, Tuebingen, Milan
- P101 AIBD-related specific B cells develop under the absence of functional**

**regulatory T cells leading to a pathogenic autoantibody triggering a non-inflammatory form of EBA**

E. Vicari, T. Ramcke, S. Haeberle, S. Johannisson, A. Vorobyev, S. Goletz, H. Iwata, R. Ludwig, E. Schmidt, A. Enk, E. Hadaschik; Heidelberg, Luebeck, Sapporo, Essen

**P102**

**The impact of glycosylation on IgG1-induced signalling in neutrophils**

M. Schlotfeldt, J. Buhre, M. Wuhrer, R. Ludwig, M. Ehlers, K. Bieber; Luebeck, Leiden

**P103**

**Cystine/glutamate antiporter (Slc7a11/xCT) and fibrosis: ferroptosis as a potential therapeutic target in systemic sclerosis?**

J. Tiemann, S. Muecklich, J. Haub, S. Leson, M. Kneilling, R. Mehling, M. Roecken, K. Steinbrink, V. Raker; Muenster, Mainz, Bonn, Tuebingen, Tuebingen

**P104**

**CD4+ effector T cells orchestrate indirect inflammatory killing of IFN-unresponsive tumors**

S. Gellert, B. Kruse, A. Buzzai, N. Shridhar, A. Braun, K. Knauth, J. Peters, M. Mengoni, T. van der Sluis, A. Krone, D. Yu, S. Hoehn, Y. Fu, M. Essand, R. Geffers, D. Mougiakakos, S. Kahlfuss, H. Kashkar, E. Gaffal, W. Kastenmueller, A. Mueller, T. Tueti; Magdeburg, Uppsala, Braunschweig, Cologne, Wuerzburg

**P105**

**A standardization of the DNCB-induced atopic dermatitis mouse model in BALB/c mice to study novel therapeutic compounds**

R. Riedl, A. Kuehn, B. Hebecker, S. Lorkowski, C. Wiegand, M. Wallert; Jena, Halle-Jena-Leipzig

**P106**

**Alternative C5 - convertases promote skin inflammation in experimental epidermolysis bullosa acquisita**

S. Mousavi, M. Kamaguchi, K. Izumi, S. Draeger, L. Schmidt-Jiménez, A. Kasprick, D. Zillikens, S. Patzelt, S. Emtenani, M. Pigors, K. Bieber, E. Schmidt, R. Ludwig; Luebeck

**P107  
(OP02/05)**

**Adoptively transferred CD4+ T cells control established melanomas through indirect antigen-specific activation in the tumour microenvironment**

B. Kruse, A. Buzzai, N. Shridhar, A. Braun, S. Gellert, K. Knauth, J. Peters, M. Mengoni, T. van der Sluis, A. Krone, D. Yu, S. Hoehn, Y. Fu, M. Essand, R. Geffers, D. Mougiakakos, S. Kahlfuss, H. Kashkar, E. Gaffal, W. Kastenmueller, A. Mueller, T. Tueting; Magdeburg, Uppsala, Braunschweig, Cologne, Wuerzburg

**P108**

**Tumour-specific CD4+ T cells recruit inflammatory monocytes that acquire IFN-activated functions to control immune evasive tumours**

A. Buzzai, B. Kruse, N. Shridhar, A. Braun, S. Gellert, K. Knauth, J. Peters, M. Mengoni, T. van der Sluis, A. Krone, D. Yu, S. Hoehn, Y. Fu, M. Essand, R. Geffers, D. Mougiakakos, S. Kahlfuss, H. Kashkar, E. Gaffal, W. Kastenmueller, A. Mueller, T. Tueting; Magdeburg, Uppsala, Braunschweig, Cologne, Wuerzburg

**P109**

**Imiquimod induces psoriatic skin inflammation in previously affected human skin**

E. Scala, A. Schaebitz, A. Pilz, C. Hillig, M. Meinel, T. Deitl, M. Menden, K. Eyerich, J. Thomas, N. Garzorz-Stark; Freiburg, Stockholm, Neuherberg, Munich

**P110**

**Generation of human suppressive Treg cells from primary memory T cells by a small molecule compound**

J. He, M. Maurer, S. Frischbutter; Berlin

**P111**

**IL-17-producing cells in oral mucosal on patients with oral lichen planus**

A. Sequeira Santos; Marburg

**P112**

**Type I Interferon activation in Dermatomyositis**

L. Mlitzko, K. Fischer, S. Meisterfeld, S. Roesing, S. Beisert, C. Guenther; Dresden

## SCIENTIFIC PROGRAMME

- P113 (OP02/02) Chronic ER stress promotes cGAS/mtDNA-induced autoimmunity via ATF6 in myotonic dystrophy type 2**  
S. Roesing, N. Eberl, F. Schmidt, A. Rapp, H. Schulze, S. Meisterfeld, U. Reuner, S. Beissert, P. Mirtschink, E. Bartok, C. Guenther; Dresden, Darmstadt, Bonn
- P114 Increased allergic skin inflammation in mice lacking the metabolite sensing HCA2/Gpr109a receptor**  
S. Polkownik, J. Meens, H. Lange, S. Bonifatius, K. Wulff, B. Kruse, A. Buzzai, T. Tueting, E. Gaffal; Magdeburg
- P115 Impact of the metabolite sensing receptor Hcar2 on keratinocytes and lymphocytes**  
J. Meens, S. Polkownik, H. Lange, B. Kruse, A. Buzzai, J. Herz, S. Bonifatius, E. Gaffal; Magdeburg
- P116 How skin inflammation shapes behavior - role of the metabolite sensing Hca2/Gpr109a receptor**  
H. Lange, S. Polkownik, J. Meens, B. Kruse, S. Bonifatius, A. Albrecht, E. Gaffal; Magdeburg
- P117 Tregs of mice with experimental epidermolysis bullosa acquisita show a loss of function but therapy by an adoptive Treg transfer ameliorates autoantibody-induced inflammation**  
N. Gross, D. Scheppan, A. Vorobyev, D. Wortmann, S. Draeger, R. Ludwig, K. Bieber; Luebeck
- P118 Treatment of experimental epidermolysis bullosa acquisita with an IL-4 / anti-IL-4 antibody complex ameliorates the inflammation by altering T cell and macrophage populations in the skin**  
N. Gross, J. Li, D. Scheppan, J. Marketon, C. Guerrero-Juarez, A. Kasprick, C. Cole, L. Bao, R. Ludwig, K. Amber, K. Bieber; Luebeck, Chicago
- P119 Anti-CD73 antibodies suppress activation of highly activated and proliferative CD73+CD4+ T cells.**  
L. Chen, S. Jin, S. Ring, A. Enk, K. Mahnke; Heidelberg
- P120 Cell-derived nanoparticles regulate the pro-inflammatory cytokine secretion in the murine macrophage cell line J774A.1**  
F. Bahreini, V. Koehling, S. Allan, K. Bieber, C. Hammers, K. Kalies; Luebeck
- P121 (OP06/03) Dysfunctional CD19+CD24hiCD38hi transitional B cells in patients with pemphigus**  
A. Polakova, D. Didona, J. Holstein, C. Baum, F. Solimani, K. Ghoreschi, M. Hertl, W. Pfuetzner, C. Moebs; Marburg, Tuebingen, Berlin
- P122 (OP05/04) Selective inhibition of ERK5 as a novel treatment option in epidermolysis bullosa acquisita**  
A. Kasprick, S. Johannisson, M. Radziejewicz, N. Gross, A. Wobig, C. Osterloh, N. Ernst, R. Ludwig, K. Bieber; Luebeck, Heidelberg
- P123 (OP03/02) Noncanonical NF-kappaB signaling is inevitable for development of chronic contact hypersensitivity reaction (CHS)**  
R. Mehling, A. Kolb, B. Fischer, B. Fehrenbacher, I. Gonzales-Menendez, L. Quintanilla-Martinez, M. Schaller, D. Kramer, M. Roecken, B. Pichler, M. Kneilling; Tuebingen, Mainz
- P124 Direct binding of complement components to the bullous pemphigoid antigen**

**BP180 may precipitate autoimmune skin disease**

A. Khodr El-Oueyk, I. Suhrkamp, M. Adem, L. Komorowski, H. Tang, K. Kalies, H. Emmert, A. Verschoor, C. Hammers; Luebeck, Kiel, Phila, Munich

**P125**

**Circulating Th17.1 cells and skin IL-4/IFN-g expression as potential targets to assess risk for bullous pemphigoid**

E. Bodner, F. Solimani, K. Meier, F. Hilke, K. Ghoreschi; Berlin

**P126**

**Structural characterization of the pathogenic anti-Desmoglein 3/1 autoantibody clone PX43 obtained from a patient with mucocutaneous pemphigus vulgaris**

P. Rawat, E. Smorodina, M. Adem, J. Hundt, A. Kerstein-Staehle, R. Ludwig, A. Payne, J. Stanley, L. Komorowski, C. Probst, L. Redecke, V. Greiff, C. Hammers; Oslo, Luebeck, Philadelphia, Kiel

**P127**

**Gene expression pattern of anti-PD1 skin lesions shows pronounced similarities to toxic epidermal necrolysis**

N. Winkelbeiner, R. Staeger, R. Dummer, E. Contassot, L. French, B. Meier-Schiesser; Zurich, Basel, Munich

**P128**

**Asthmatic lungs reveal decreased expression of regulatory cytokines in skin barrier-deficient FlgHrnr-deficient mice**

D. Grimm, F. Fries, V. Lorenz, T. Buhl, M. Schoen, A. Braun; Goettingen

**P129**

**The role of the IL-1/IL-36 inflammatory axis in Pyoderma gangraenosum.**

J. Weber, A. Philipp, K. Meier, F. Ghoreschi, E. Mueller-Hermelink, F. Hilke, K. Ghoreschi; Berlin

**P130**

**Gene flow from archaic hominins causes HLA-class I associated diseases, psoriasis, ankylosing spondylitis, and Behcet disease**

A. Arakawa, B. Kendziora, M. He, S. Vollmer, C. Huber, J. Prinz; Munich, Pennsylvania

**P131**

**Determining mechanisms of melanoma dedifferentiation in response to innate immune receptor activation**

B. Thier, H. Zillikens, F. Zhao, A. Sucker, C. Coch, G. Hartmann, D. Schadendorf, A. Paschen; Essen, Bonn, Gruenwald

**P132**

**(OP06/04)**

**Cutaneous adverse events induced by Tebentafusp, an anti-melanocytic bispecific molecule**

R. Staeger, A. Tastanova, E. Ramelyte, N. Winkelbeiner, R. Dummer, B. Meier-Schiesser; Zurich

**P133**

**Tyrosine kinase 2 inhibition with deucravacitinib attenuates Th1-mediated immune response in preclinical models of type 1 chronic inflammatory skin diseases**

P. Seiringer, N. Kurzen, M. Jargosch, J. Landis, T. Yarra, T. Biedermann, C. Schmidt-Weber, I. Catlett, F. Lauffer; Munich, Lawrenceville, NJ

**P134**

**Macrophage dysregulation drives granuloma formation in sarcoidosis**

L. Kleissl, A. Redl, C. Jaros, T. Neuwirth, G. Stary; Vienna

**P135**

**Novel isolation and identification protocols for Innate Lymphoid Cells in human skin, and their role in Dendritic cells development**

B. Betônico Berg, A. Santos, S. Riaz, D. Didona, J. Mayer; Marburg

## SCIENTIFIC PROGRAMME

- P136**      **Circadian Rhythmicity of Immune Cells in Systemic Lupus Erythematosus**  
S. Stenger, V. Hartmann, T. Lange, J. Hundt; Luebeck
- P137**      **High-yield production and cellular implementation of a novel Desmoglein 3 EC5 binding antibody into a keratinocyte based in-vitro skin model**  
S. Fink, P. Sliwiak, R. Eming, C. Wiegand, C. Hudemann; Jena, Marburg
- P138**      **Ion channel inhibitors as modulators of neutrophil activation**  
C. Osterloh, K. Bieber, V. Hartmann, R. Ludwig; Luebeck
- P139**      **HLA class II haplotype loss in melanoma and its association with patient resistance to immune checkpoint blockade**  
F. Zhao, P. Crivello, M. Laudage, S. Kwapik, A. Heinold, T. Arrieta-Bolanos, A. Sucker, P. Horn, D. Schadendorf, K. Fleischhauer, A. Paschen; Essen
- P140**      **Development of an immunocompetent 3D-bioprinted skin-on-chip model**  
C. Zelle-Rieser, J. Hagenbuchner, L. Durakbasa, C. Mayerl, E. Greto, M. Ausserlechner, P. Stoitzner; Innsbruck
- P141**      **mTOR inhibition as treatment for persistent cutaneous sarcoidosis**  
A. Redl, K. Doberer, L. Unterluggauer, C. Krall, C. Mayerhofer, L. Kleissl, B. Reiningger, R. Dingelmaier Hovorka, N. Zilla, T. Weichhart, C. Bock, T. Krausgruber, G. Stary; Vienna
- P142**      **Diet impacts T cell receptor repertoire diversity in murine lupus model**  
S. Khilchenko, R. Ludwig, A. Vorobyev; Luebeck
- P143**      **Identification of novel activators of keratinocyte CARD/BCL10/MALT1 complexes**  
K. Kranen, Z. Kurgyis, J. Ruland, T. Biedermann; Munich
- P144**      **NK cells are activated and possess immunoregulatory functions in patients with pemphigus vulgaris**  
C. Zimmer, P. Clavero, K. Schlueter, D. Didona, A. Polakova, M. Hertl, N. Marquardt; Marburg, Huddinge
- P145**      **Non-canonical role of complement C3 in Epidermolysis Bullosa Acquisita**  
L. Schmidt-Jiménez, P. Freire, K. Izumi, M. Kamaguchi, K. Bieber, R. Ludwig, A. Verschoor; Luebeck, Sapporo
- P146**      **Characterization of autoantibody response and previously identified monoclonal antibodies, derived from mice with actively induced Epidermolysis Bullosa Acquisita**  
L. Schmidt-Jiménez, S. Krohn, T. Theocharis, K. Bieber, R. Ludwig, A. Verschoor, M. Peipp; Luebeck, Kiel

## Infectious Diseases

- P147**      **Ex vivo wound models to study skin colonization and invasion of Candida auris**  
S. Seiser, H. Arzani, T. Ayub, T. Phan-Canh, K. Kuchler, A. Elbe-Buerger; Vienna
- P148 (OP05/03)**      **A single nucleotide polymorphism associated with eczema herpeticum in patients with atopic dermatitis suggests that collagen XXIII alpha 1 protects macrophages from HSV-1 infection**  
M. Makmatov-Rys, L. Roesner, J. Zeitvogel, S. Traidl, S. Chopra, K. Doehner, E. Rodriguez, I. Harder, B. Sodeik, S. Weidinger, T. Schulz, T. Werfel; Hannover, Kiel

## SCIENTIFIC PROGRAMME

- P149**      **Potential role of keratinocyte-derived collagen XXIII alpha 1 in eczema herpeticum**  
S. Chopra, J. Zeitvogel, M. Makmatov-Rys, K. Doehner, L. Roesner, B. Sodeik, T. Werfel; Hannover
- P150**      **Long-term intraanal HPV16-infection in men who have sex with men living with HIV: persistence or reinfection?**  
L. Bopp, S. Silling, M. Schulz, A. Dilthey, A. Kreuter, U. Wieland; Cologne, Duesseldorf, Oberhausen
- P151**      **The Staphylococcus epidermidis transcriptional profile on healthy and atopic skin**  
P. Teichmann, M. Simon, H. Rohde, A. Yazdi, M. Burian; Aachen, Hamburg
- P152 (OP01/03)**      **In cutaneous leishmaniasis, IL-1 release, and protective immunity depend on receptor-interacting serine/threonine-protein kinase (RIPK) 1/3 and Mixed Lineage Kinase Domain Like Pseudokinase (MLKL)-dependent cell death of DC**  
T. Horn, B. Lorenz, M. Reibetanz, S. Koenen-Waisman, M. Fritsch, H. Kashkar, E. von Stebut; Cologne
- P153**      **Reliable and rapid identification of terbinafine resistance in fungal skin infections.**  
G. Blanchard, B. Amarov, M. Fratti, K. Salamin, O. Bontems, Y. Chang, A. Sabou, N. Kunzle, M. Monod, E. Guenova; Lausanne, Sofia, Strasbourg, Monthey
- P154**      **Investigation of the humoral immune response after COVID-19 vaccination in psoriasis patients on biological therapy**  
H. Puschmann, W. Milz, F. Aenne, S. Emmert, R. Panzer; Rostock
- P155**      **Identification of Dermatophyte and Non-Dermatophyte Agents in Onychomycosis by PCR and DNA Sequencing? A Retrospective Comparison of Diagnostic Tools**  
I. Pospischil, C. Reinhardt, O. Bontems, K. Salamin, M. Fratti, Y. Chang, H. Wagner, P. Hermann, M. Monod, W. Hoetzenecker, E. Guenova; Linz, Lausanne, Zurich, Madrid
- P156**      **Testing drug sensitivity of currently circulating monkeypox viruses after infecting dermal and epidermal cells**  
N. Zoeller, D. Bojkova, M. Bechtel, T. Rothenburger, K. Steinhorst, S. Kippenberger, G. Knecht, P. Khaykin, T. Wolf, S. Ciesek, H. Rabenau, M. Michaelis, J. Cinatl; Frankfurt, Canterbury
- P157**      **Earliest possible prediction of COVID-19 severity correlated with potent Th1 immune response in asymptomatic SARS-CoV-2 infection**  
C. Holetschek, M. Goekkaya, K. Dorgham, C. Parizot, A. Samri, G. Gorochov, C. Traidl-Hoffmann, A. Neumann; Augsburg, Paris

## Pharmacology

- P158**      **Identification of a Zingiber officinale root extract and CBD as potential ingredients with anti-inflammatory and antioxidative activity for use in cosmetic products applying a dedicated screening platform**  
M. Kragl, M. Soeberdt, S. Hoch, H. Steindl, C. Abels; Neumarkt

## Photobiology

- P159 Interactions of different wavelengths present in sunlight: Impact on apoptosis, DNA-damage and skin carcinogenesis**  
K. Rolfes, J. Krutmann, T. Haarmann-Stemann; Duesseldorf
- P160 One filter many possibilities - new insights on protective and therapeutic applications of HelioVital Filter Foil**  
I. Ivanova, K. Lang, T. Maisch, M. Berneburg, Y. Kamenisch; Regensburg, Empfingen
- P161 UVA and Pyruvate - An Unexpected Combination**  
I. Ivanova, C. Bogner, W. Gronwald, M. Kreutz, T. Maisch, B. Kurz, Y. Kamenisch, M. Berneburg; Regensburg
- P162 Efficacy of curcumin-visible light irradiation is wavelength and intensity specific**  
N. Zoeller, T. Hailemariam, D. Oezistanbullu, R. Kaufmann, S. Kippenberger; Frankfurt
- P163 A combination of photodynamic therapy and cold atmospheric plasma shows synergistic treatment effects on squamous cell carcinoma cells**  
S. Arndt, P. Unger, A. Bosserhoff, J. Zimmermann, R. Szeimies, A. Eigenberger, L. Prantl, T. Maisch, M. Berneburg, S. Karrer; Regensburg, Erlangen, Garching, Recklinghausen

## Pruritus

- P164 Medical care of patients with chronic pruritus: Possibilities and limits of medical care process optimization**  
P. Petzinka, C. Zeidler, S. Staender; Muenster
- P165 Interaction of Substance P and IL4/13 pathway - another link in the neuroimmune crosstalk**  
K. Agelopoulos, L. Renkhold, J. Doering, H. Wiegmann, C. Zeidler, M. Pereira, T. Luger, S. Staender; Muenster
- P166 Upregulation of IL13 and IL13 receptors in atopic prurigo**  
K. Agelopoulos, L. Renkhold, G. Schmitz, H. Wiegmann, C. Zeidler, M. Pereira, S. Peine, S. Staender; Muenster, Neu-Isenburg
- P167 Bad vibrations? The prevalence of itch and erythema induced by whole body vibration training: a questionnaire-based study in users and therapists**  
O. Brandt, M. Fischer, A. Liphardt, M. Hartardt, C. Egloff, A. Navarini, A. Muendemann, S. Mueller; Basel, Bern, Basel, Erlangen, Munich
- P168 Withdrawn**

## Tumor Biology

- P169 Modified microbiota by skin disinfection through topical triple antibiotic treatment delays tumor growth and increases survival in a cutaneous T-cell lymphoma mouse model**  
S. Dey, P. Augusto Vieyra-Garcia, A. Anand Joshi, P. Wolf; Graz

## SCIENTIFIC PROGRAMME

- P170** **In vitro transition of SCC to an MCC-like phenotype**  
B. Celikdemir, D. Schrama, R. Houben; Wuerzburg
- P171 (OP03/03)** **Cell polarity signals inhibit field cancerization and SCC formation**  
O. Persa, U. Goebel, A. Dilthey, J. Stinn, S. Vorhagen, C. Niessen; Cologne, Munich
- P172** **Sensitivity of cutaneous T-cell lymphoma cells to the Mcl-1 inhibitor S63845 correlates with the lack of Bcl-w expression**  
U. Sumarni, J. Zhu, T. Sinnberg, J. Eberle; Berlin
- P173** **Intratumoral Infiltration with Neutrophils and NETs is Associated with Necrosis and Size in Human Melanoma Metastases**  
L. Weide, F. Schedel, C. Weishaupt; Muenster
- P174** **Combination of PARP inhibitors and MAPK inhibitors as an effective treatment strategy for malignant melanoma**  
L. Froehlich, H. Niessner, T. Sinnberg, B. Schitteck; Tuebingen, Berlin
- P175** **Thromboembolism in patients treated with cancer immunotherapy**  
T. Zell, J. Koett, S. Schneider, C. Gebhardt; Hamburg
- P176** **Neutrophils - The cellular phoenix in melanoma**  
I. Helfrich; Munich, Essen
- P177** **Communication between melanoma cells and astrocytes promotes behavioural changes that may influence the brain microenvironment during metastatic development**  
D. Herrera Rios, R. Schoenherr, I. Werderits, J. Klein, S. Egea-Rodríguez, I. Helfrich; Munich, Munich, Essen
- P178** **IFN- $\alpha$  therapy of peritoneal carcinosis induces senescence in metastatic melanoma cells**  
E. Brenner, T. Wieder, H. Braumueller, C. Boss, C. Schulz, S. Kayser, M. Roecken; Tuebingen, Freiburg
- P179** **Circulating tumor DNA (ctDNA) as clinical marker in advanced melanoma patients**  
W. Chan, V. Kasten, A. Philipp, K. Meier, S. Korsing, T. Jakovljevicova, T. Eigentler, K. Ghoreschi, F. Hilke; Berlin
- P180** **Expression of proton-sensitive TRPC4 in Common Skin Tumors**  
B. Kurz, H. Michael, A. Foerch, S. Wallner, F. Zeman, T. Ettl, C. Brochhausen, S. Schreml; Regensburg
- P181 (OP04/02)** **Inside the tumor microenvironment of malignant melanoma: Identifying regulatory players of early malignant transformation with single-cell multiomics**  
A. Stubenvoll, M. Schmidt, H. Binder, H. Loeffler-Wirth, B. Frost, A. Ertel, M. Kunz; Leipzig
- P182** **Lyve-1 deficiency enhances the hepatic immune microenvironment entailing altered susceptibility to liver metastasis**  
S. Wohlfeil, A. Jauch, B. Dietsch, C. Weller, A. Stojanovic, M. Kittel, H. Nolte, A. Cerwenka, M. Neumaier, K. Schledzewski, C. Sticht, P. Reiners-Koch, S. Goerdts, C. Géraud; Mannheim, Heidelberg, Cologne



- P183**      **Loss of CDKN2A Affects Melanoma Immunogenicity**  
 J. Wohlfarth, C. Kosnopfel, C. Siedel, M. Berthold, N. Beyersdorf, F. Groeber-Becker, S. Meierjohann, M. Goebeler, B. Schilling; Wuerzburg
- P184**      **Does aberrant glutamate metabolism in melanoma affect dendritic cell function?**  
 S. Dieckmann, C. Tripp, H. Strandt, F. Hornsteiner, P. Stoitzner; Innsbruck
- P185**      **Enhanced apoptosis and loss of cell viability in melanoma cells by combined inhibition of pERK and Mcl-1 is related to loss of mitochondrial membrane potential, caspase activation and upregulation of proapoptotic Bcl-2 proteins**  
 Z. Peng, B. Gillissen, M. Schlaak, J. Eberle; Berlin
- P186**      **RECQL4 drives genomic instability and reduced survival in patients with malignant melanoma**  
 S. Egea-Rodríguez, M. Philip, R. Varaljai, D. Schadendorf, S. Horn, I. Helfrich; Essen, Munich, Leipzig
- P187**      **Extracellular vesicles derived from melanoma cells induce carcinoma-associated fibroblasts by the transport of miR-92b-3p**  
 S. Kewitz-Hempel, N. Windisch, G. Hause, L. Mueller, C. Sunderkoetter, D. Gerloff; Halle (Saale)
- P188 (OP04/04)**      **Th1/Tc1 tissue resident memory T cells mediate checkpoint blockade-induced dermatitis and colitis**  
 R. Reschke, J. Shapiro, J. Yu, S. Rouhani, D. Olson, Y. Zha, T. Gajewski; Chicago
- P189**      **Immune checkpoint inhibitor-based activation of tumor infiltrating cells is related to an increase in NFB activity within the tumor microenvironment (TME) monitored by bioluminescence imaging (BLI)**  
 D. Stowbur, P. Knopf, B. Schoerg, R. Mehling, D. Sonanini, H. Carlsen, B. Pichler, M. Kneilling; Tuebingen, As, Heidelberg
- P190**      **Extracellular vesicles derived from melanoma cells transport miR-183-5p into macrophages thereby inducing CD163 expression**  
 N. Windisch, S. Kewitz-Hempel, G. Hause, C. Sunderkoetter, D. Gerloff; Halle (Saale)
- P191**      **Granzyme B and granulysin expressing human DCs in melanoma**  
 I. Azzouz, T. Jakovljevicova, T. Eigentler, K. Ghoreschi, F. Solimani, F. Hilke; Berlin
- P192**      **Melanoma cell-produced heparan sulfate regulates the tumor microenvironment**  
 Y. Wang, X. Liu, E. Wladykowski, S. Vidal-y-Sy, K. Opitz, C. Gebhardt, A. Bauer, S. Schneider, C. Gorzelanny; Hamburg, Mannheim
- P193**      **Transport of melanoma cell-derived miR-1246 between subpopulations of melanoma cells via extracellular vesicles potentiates invasiveness by targeting CCNG2**  
 T. Kingreen, C. Rohde, S. Kewitz-Hempel, G. Hause, C. Sunderkoetter, D. Gerloff; Halle (Saale), Heidelberg
- P194**      **Resistance to BRAF inhibitors: EZH2 and its downstream target PLK1 as potential therapeutic options in melanoma**  
 A. Uebel, K. Gebhardt, S. Kewitz-Hempel, C. Sunderkoetter, D. Gerloff; Halle (Saale)

- P195**      **Aberrant glycosylation patterns on melanoma cell surface mediate local complement activation**  
X. Liu, M. Haehnle, K. Schmoll, C. Krisp, H. Schlueter, S. Schneider, C. Gorzelanny; Hamburg
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S. Wendlinger, J. Wohlfarth, C. Siedel, L. Erpenbeck, S. Meierjohann, M. Goebeler, B. Schilling; Wuerzburg, Muenster
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