



51st Annual Meeting of the Arbeitsgemeinschaft Dermatologische Forschung

in collaboration with the
Deutsche Dermatologische Gesellschaft (DDG)

March 12-15, 2025
Berlin, Germany

By January 10, 2025

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

Meeting Venue

Freie Universität Berlin, Rostlaube, Hall 1A
Habelschwerdter Allee 45 (Entrance Thielplatz), 14195 Berlin-Dahlem
[Rostlaube • Medientechnik Rost- und Silberlaube der Freien](#)
[Universität Berlin • Freie Universität Berlin](#)

Prior and during the meeting contact the ADF office Tel:
+49 (0)30 24 62 53 16

How to get there:

Freie Universität Berlin, Dahlem Campus, Rostlaube

Habelschwerdter Allee 45 (the "Rost- and Silberlaube") and Fabeck Street 23-25 ("Holzlaube") together are the location of the largest university building complex in Dahlem. The complex houses several humanities and social science subjects, as well as 14 smaller departments from the Department of History and Cultural Studies.

Directions

- **From BER Airport**

Elevated train S9 direction Spandau to Treptower Park, change to the circle line S 41 traveling west to Heidelberger Platz, change to the subway U3 direction Krumme Lanke to Freie Universität (Thielplatz); travel time about one hour

- **From Hauptbahnhof (Berlin Central Train Station)**

Elevated train S9 direction Spandau to Zoologischer Garten, change to subway U2 direction Pankow to Wittenbergplatz, change to U3 direction Krumme Lanke to Freie Universität (Thielplatz); travel time ca. 30 min.

- **Orientation in the "Rost- and Silberlaube"**

- [Interactive wayfinding system](#)

- [Interactive wayfinding system \(mobile\)](#)

- **Map Detail of the Dahlem Campus**

[The complete map of the Dahlem campus](#) can be downloaded as a pdf file.

MEETING ORGANISATION

Local Organisers

Kamran Ghoreschi, Marcus Maurer, Franz J. Hilke, Stefan Frischbutter, Martin Metz, Robert Sabat, Frank Siebenhaar, Tobias Sinnberg, Kerstin Wolk

Klinik für Dermatologie, Venerologie und Allergologie & Institut für Allergieforschung
Charité – Universitätsmedizin Berlin, Charitéplatz 1, 10117 Berlin

General Organisation, Registration, Networking Program

Expo & Conference Management GmbH, An der Rechtschule 1-3, 50667
Köln

Kira Schneider, Fon +49 (0) 221 - 913959 – 26, ks@ecm-koeln.com,
www.ecm-koeln.de

Hotel Offer:

[SEMINARIS CampusHotel Berlin](#)

Takustraße 39, 14195 Berlin

Tel. +49-30-5577797-0

Single Room 119€/Night including breakfast

Double Room 129€/Night including breakfast

[Reservation Sheet](#)

Berlin offers a variety of different accommodation options, **please book individual alternatives of your choice yourself** on the well-known [booking platforms](#).

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, March 13, 2025	08:30-19:00
Friday, March 14, 2025	08:00-18:30
Saturday, March 15, 2025	08:30-13:00

Duration:	7 min.
Discussion:	5 min.

Talks will be presented by beamer 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 (Portrait Format). Mounting material will be provided.

MEETING ORGANISATION

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

Wednesday, March 12, 2025:	Time	Room:
WG07/A: Psoriasis <i>Chair: R. Sabat</i>	15:00-18:30	tba
Thursday, March 13, 2025:	Time	Room:
WG01: Translational Dermatological Genetics <i>Chairs: K. Suessmuth, L. Frommherz</i>	09:00-12:30	tba
WG02: Autoimmune blistering skin diseases <i>Chair: C. Hudemann, C. Hammers</i>	08:30-12:30	tba
WG03: Dermatological Endocrinology <i>Chairs: E. Peters, J. Naetlitz</i>	09:00-12:30	tba
WG04: Experimental Dermato-Oncology <i>Chairs: E. Gaffal, A. Tasdogan</i>	09:00-12:30	tba
WG05: Experimental Allergology + Mast cells and Basophils <i>Chair: K. Hartmann, A. Kerstan</i>	09:30-12:30	tba
WG06: Atopic Dermatitis + Skin Barrier <i>Chair: L. Eckhart, S. Weidinger</i>	09:30-12:30	tba
WG07/B: Psoriasis <i>Chair: R. Sabat</i>	09:30-10:30	tba
WG08: Acne inversa <i>Chair: K. Wolk, F. Bechara</i>	10:30-12:30	tba
WG09: Cutaneous Lymphoma <i>Chair: G. Domos, J. Nicolay</i>	10:00-12:00	tba

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 finalization, can be found on the **ADF Homepage** (www.adf-online.de).

The inner workings of the DFG, Friday, March 14, 2025:

12:45 – 13:15 (Hall 1A) Dr. Katja Hartig (DFG Head office) will provide insights in the possibilities of DFG funding and the decision process of applications.

13:30 - 15:00 (Room tba): Dr. Katja Hartig of the DFG will be available to discuss individual questions in 15 minutes time slots.

About the 51st Annual Meeting of the Arbeitsgemeinschaft Dermatologische Forschung

Dear Colleagues and Friends,

We warmly welcome you to the 51st Annual Meeting of the Arbeitsgemeinschaft Dermatologische Forschung. This year, we have received 284 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 focusing 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 „*Tissue-resident immune cells in chronic inflammation*“. Additional highlights of this year's annual meeting are the *Guenter Goerz Memorial Lecture* and the *Guest Lecture*, which will be given by Enno Schmidt (Luebeck) and Dario Neri (Zurich), 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 Berlin.

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

Stefanie Eyerich
President

Luise Erpenbeck
Secretary

Lukas Flatz
Treasurer

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

Experts for abstract review

B. Balciunaite, Tuebingen	A. Koroma, Cologne	H. Niessner, Tuebingen
L. Bopp, Cologne	D. Kramer, Mainz	A. Nystroem, Freiburg
Andrea Braun, Goettingen	S. Kurgyis, Munich	J. Pruessmann, Luebeck
J. Focken, Tuebingen	S. Martin, Freiburg	A. Redl, Vienna
S. Frischbutter, Berlin	L. Martins Nascientes Melo, Essen	R. Reschke, Hamburg
F. Hartung, Duesseldorf	B. Meier-Schiesser, Zurich	V. Walter, Tuebingen
K. Kleszczinski, Muenster	S. Murthy, Luebeck	R. N. Werner, Berlin
M. Koeberle, Munich		F. Witte, Muenster

Poster walks and poster committee

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

Adaptive Immunity (V. Raker)	Psoriasis & Inflammatory skin diseases (C. Schlapbach)
Allergy & Atopic Dermatitis (M. Pereira)	Translational Research (U. Uslu)
Cellular Biology (K. Scharffetter-Kochanek)	Tumor Biology (B. Schitteck)
Innate Immunity (A. Nystroem)	Tumor Immunology (T. Eigentler)

*We thank **Almirall Hermal GmbH** and **Lilly Deutschland GmbH** for their kind support.*

Please meet for a poster walk at the registration desk!

All poster walkers are also members of the poster committee, which is coordinated by Christoph Schlapbach and Verena Raker.

SCIENTIFIC PROGRAMME

Thursday, March 13, 2025

12:30-12:45 Poster mounting and registration

Sponsored Satellite Symposia with Lunch

SatS01 With kind support from Novartis Pharma GmbH
12:45-13:15

**SatS02 With kind support from Sanofi-Aventis Deutschland
13:15-13:45 GmbH**

SatS03 With kind support from Galderma Laboratorium GmbH
12:45-13:15

SatS04 With kind support from UCB Pharma GmbH
13:15-13:30

SCIENTIFIC PROGRAMME

Thursday, March 13, 2025

14:00-14:10

Welcome Address
K. Ghoreschi, S. Eyerich

14:10-15:10

Oral Presentations I
Chairs: S. Franz, F. Hilke

OP01/01
(P009)

14:10

Host-Microbiome interplay in early life determines atopic Dermatitis development in children

Y. Amar, M. Koeberle, M. Yamada, R. Bleuel, A. Schuch, S. Preis, C. Gasteiger, V. Lang, A. Blasini, S. Sitaru, M. Schielein, S. Niedermeier, R. Silva, S. Kublik, M. Schloter, T. Prow, S. Keasler, A. Zink, T. Biedermann; Munich, York

OP01/02
(P049)

14:22

A transcriptome atlas of inflammatory skin diseases allows disease stratification based on cytokine signatures

B. Klein, K. van Straalen, J. Kirma, M. Sarkar, R. Bogle, M. Kahlenberg, L. Tsoi, J. Gudjonsson; Ann Arbor

OP01/03
(P052)

14:34

Immune Complex Induced Migration of Slan+ Non-Classical Monocytes and Its Implications in Systemic Lupus Erythematosus

M. Hertwig, S. Oehrl, A. List, T. Doebel, K. Schaekel; Heidelberg

OP01/04
(P135)

14:46

Kinase signalling cascades in neutrophils might comprise several potential therapeutic targets for pemphigoid disease

M. Schlotfeldt, M. Radziewicz, C. Zuenkeler, M. Armbrust, A. Kasprick, S. Johannisson, D. Mehlberg, C. Osterloh, N. Ernst, R. Ludwig, K. Bieber; Luebeck

OP01/05
(P154)

14:58

TYK2 inhibition improves clinical hallmarks and molecular Biomarkers in various subtypes of cutaneous lupus erythematosus

S. Wasserer, N. Kurzen, P. Seiringer, M. Jargosch, J. Eigemann, G. Aydin, T. Raunegger, S. Eyerich, T. Biedermann, K. Eyerich, F. Lauffer; Munich, Freiburg im Breisgau

15:10-15:20

ADF Awards I

(Short presentation of awardee)

Paul Langerhans Award*

L. Erpenbeck, A. Yazdi

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

SCIENTIFIC PROGRAMME

Thursday, March 13, 2025

15:20-15:40

Quo Vadis Lecture I

D. Kramer, Mainz:

Keratinocyte-derived transcriptional control of therapy responses

Introduction: A. Tasdogan

15:40-16:10

Break

16:10-18:10

WORKSHOP

Tissue-resident immune cells in chronic inflammation

Organisation/Moderation: **K. Ghoreschi, M. Metz**

16:10

T. Kupper, Boston

TRM: The Good, the Bad, and the Unexpected

16:40

G. Kroenke, Berlin

Reset Autoimmunity during the treatment of immune-mediated inflammatory diseases

17:10

A. Diefenbach, Berlin

Innate lymphoid cells: guardians of tissue homeostasis at body surfaces

17:40

K. Kabashima, Kyoto

Mast cells, endothelial cells, and peripheral nerves in skin immunity and chronic inflammation

We thank for the support by Sanofi-Aventis Deutschland GmbH and Almirall Hermal GmbH.

18:30-21:00

POSTER SESSION AND NETWORKING

With snacks and drinks

Friday, March 14, 2025

08:30-09:30 Oral Presentations II

Chairs: L. Martins Nascentes Melo, E. Gaffal

- OP02/01 (P245) 08:30 Characterization of IDH-1 mutated melanoma**
L. Albrecht, L. Martins Nascentes Melo, I. Westedt, G. Allies,
C. Thielmann, I. Moeller, A. Sucker, A. Roesch, S. Ugurel,
D. Schadendorf, K. Griewank, A. Tasdogan; Essen
- OP02/02 (P101) 08:42 FXa and GPIIb/IIIa-mediated monocyte-platelet interaction drives systemic fibrosis**
M. Neif, I. Braun, J. Tiemann, M. Klein, W. Ruf, K. Jurk, V. Raker;
Muenster (Westfalen), Mainz
- OP02/03 (P240) 08:54 Mice expressing KIT D814V in the mast cell lineage show a systemic mastocytosis phenotype with skin lesions that can be reversed by treatment with specific tyrosine kinase inhibitors**
S. Stivala, A. Makeeva, L. Clauss, E. Sheremeti, E. Ratti, M. Konantz,
K. Hartmann; Basel
- OP02/04 (P112) 09:06 Multi-Omics Skin Disease Atlas for Accurate and Rapid AI-Driven Clinical Decision Making**
P. Stadler, G. Wallmann, K. Kerl-French, M. Neuling, M. Zwiebel,
L. Eicher, S. Senner, A. Boehm, M. Mitwalli, T. Pumnea, W. Kempf,
M. Flaig, D. Helbig, R. Stadler, M. Strauss, T. Satoh, M. Mann,
T. Nordmann, L. French;
Munich, Planegg, Zurich, Cologne, Minden
- OP02/05 (P241) 09:18 Ultra-sensitive proteomics identifies and quantifies Merkel Cell Polyomavirus proteins in Merkel Cell Carcinoma tissue**
A. Metousis, T. Heymann, L. Schweizer, P. Stadler, R. Stadler,
T. Nordmann, M. Mann; Martinsried, Munich, Minden

09:30-10:00 POSTER SESSION (all even poster numbers)

10:00-10:30 POSTER SESSION (all odd poster numbers)

10:30-11:15 GUENTER GOERZ MEMORIAL LECTURE
E. Schmidt, Luebeck
***Pemphigus and pemphigoid diseases:
Challenges and opportunities***
Introduction: S. Eyerich

Friday, March 14, 2025

11:30-12:30 Oral Presentations III

Chairs: K. Hartmann, J. Landsberg

- | | | |
|---------------------------|--------------|---|
| OP03/01
(P004) | 11:30 | Nickel uptake into bone marrow derived dendritic cells (BMDC) is an active, but TLR4-independent process
D. Bulutoglu-Rusan, N. Sahin, J. Weber, M. Schmidt, M. Goebeler, M. Schoen, A. Braun; Goettingen, Wuerzburg |
| OP03/02
(P141) | 11:42 | Metformin attenuates IFN-gamma-mediated macrophage activation in necrobiotic xanthogranuloma
H. Klapproth, M. Huerta Arana, J. Lackmann, L. Bopp, M. Fabri; Cologne |
| OP03/03
(P148) | 11:54 | OX40 expression limits suppressive capacity of FOXP3+ T regulatory cells in pemphigus
A. Mesas-Fernandez, K. Kokubo, A. Deland, E. Klein, J. Holstein, K. Meier, D. Didona, R. Maglie, A. Polakova, K. Zimmer, F. Hilke, M. Hertl, C. Moebis, K. Hirahara, F. Solimani, K. Ghoreschi; Berlin, Chiba, Tuebingen, Marburg |
| OP03/04
(P178) | 12:06 | COL23A1: A potential risk factor for eczema herpeticum
S. Chopra, J. Zeitvogel, S. Traidl, E. Rodriguez, I. Harder, W. Lieb, S. Weidinger, T. Schulz, B. Sodeik, K. Doehner, L. Roesner, T. Werfel; Hannover, Kiel, Neuherberg |
| OP03/05
(P214) | 12:18 | Establishment of a novel stem cell-based reconstructed human epidermis
P. Klose, S. Zoephel, A. Reigl, N. Koeder, S. Gundel, L. Kiesewetter, F. Groeber-Becker, D. Groneberg; Wuerzburg, Duesseldorf |

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, March 14, 2025

13:30-14:30 Poster Walks

- Adaptive Immunity (V. Raker)
- Allergy & Atopic Dermatitis (M. Pereira)
- Cellular Biology (K. Scharffetter-Kochanek)
- Innate Immunity (A. Nystroem)
- Psoriasis & Inflammatory skin diseases (C. Schlapbach)
- Translational Research (U. Uslu)
- Tumor Biology (B. Schitteck)
- Tumor Immunology (T. Eigentler)

We thank Almirall Hermal GmbH and Lilly Deutschland GmbH for their kind support.

The meeting point for all Poster Walks will be at the registration desk.

14:30-15:30 Oral Presentations IV

Chairs: Andreas Braun, G. Stary

- | | | |
|---------------------------|--------------|--|
| OP04/01
(P257) | 14:30 | An interferon-induced survival program in dedifferentiated melanoma cells drives resistance to immuno-virotherapy
A. Buzzai, S. Gellert, B. Kruse, A. Braun, J. Peters, E. Gaffal, M. Mengoni, J. Pozniak, J. Marine, P. Zhao, F. Rambow, T. Tueting;
Magdeburg, Luebeck, Leuven, Essen |
| OP04/02
(P117) | 14:42 | Topical C5aR1 inhibition reduced clinical lesions in a preclinical model of mucous membrane pemphigoid
S. Patzelt, M. Pigors, S. Khilchenko, S. Emtenani, M. Kamaguchi, L. Chakievska, K. Bieber, P. Cocchiaro, L. Brandolini, A. Aramini, M. Allegretti, R. Ludwig, E. Schmidt; Luebeck, L'Aquila |
| OP04/03
(P019) | 14:54 | Adaptive immune responses to Staphylococcus aureus serine protease-like protein B in atopic dermatitis
R. Pospich, G. Abdurrahman, T. Honstein, M. Nordengruen, S. Traidl, T. Werfel, B. Broeker, L. Roesner; Hannover, Greifswald |
| OP04/04
(P130) | 15:06 | The Influence of different immunosuppressive drugs on ex vivo expanded regulatory T cells
T. Lutz, M. Wiesinger, T. Czerwinski, C. Mark, M. Neurath, B. Fabry, C. Voskens; Erlangen |
| OP04/05
(P224) | 15:18 | Multiomics profiling in melanoma before anti-PD-1-treatment: Identifying resistance mechanisms and multimodal biomarkers
S. Fietz, M. ten Hagen, F. Brand, M. Petersen, L. de Vos-Hillebrand, D. Dietrich, J. Landsberg; Bonn |

15:30-15:50

Quo Vadis Lecture II

M. Metz, Berlin

Understanding mast cell-driven diseases: From early discoveries to current insights

Introduction: F. Siebenhaar

15:50-16:00

ADF Awards II

(Short presentations of awardee)

Egon Macher Award*

K. Loser, L. Erpenbeck

**The ADF thanks AbbVie GmbH Deutschland for the kind support.*

16:00-16:30

Break & Best of ADF Winter School 2025

The ADF thanks the DDG e. V. and

L'ORÉAL Deutschland GmbH for their kind support.

16:30-17:30

GUEST LECTURE

Dario Neri, Zurich)

Tumor Targeting in Skin Cancer and Beyond

Introduction: L. Flatz

17:30-18:00

ADF Awards III

ADF Dermato Oncology Award*

P. Stoitzner

ADF/ECARF Award for European Allergy Research**

T. Zuberbier

ADF Atopic Dermatitis Research Award***

L. Erpenbeck

ADF Translational Research Awards****

M. Kneilling

Thanks from the ADF to the

**Erwin & Irmgard Egner-Stiftung*

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

**** Dermagnostix GmbH*

*****Biogen GmbH*

SCIENTIFIC PROGRAMME

18:00-19:00 ADF General Assembly

(for agenda please see ADF-Homepage, www.adf-online.de)

20:00

Skin Research Forum @ *SOLAR Sky Bar*

Stresemannstraße 76, 10963 Berlin,
Hinterhof

SCIENTIFIC PROGRAMME

Saturday, March 15, 2025

09:00-10:00 Oral presentations V

Chairs: S. Frischbutter, R. Ludwig

- | | | |
|-------------------------------------|--------------|--|
| OP05/01
(P134) | 09:00 | Overactivation of CdC42 Kinase Impairs the Cytotoxic Function of NK Cells from Old Adults Enhancing Accumulation of Senescent Fibroblasts in Aging Skin - A Successful Rescue by the CdC42 Inhibitor CASIN
A. Koroma, K. Shekhawat, Y. Wang, M. Aghapour-Ask, M. Wlaschek, H. Geiger, P. Maity, K. Scharffetter-Kochanek; Ulm |
| OP05/02
(P259) | 09:12 | Engineering Stable scTVs: A Rational Design Approach to TCR-based Melanoma Immunotherapy
M. Lingner Chango, J. Moeller, V. Most, S. Braband, M. Kunz, C. Schoeder; Leipzig |
| OP05/03
(P144) | 09:24 | Single cell mapping identifies a distinct platelet-phenotype in psoriatic Type III inflammation
K. Kommos, S. Krishnarajah, T. Bieler, E. Friebel, P. Ramadori, S. Kam, F. Mueller, S. Prokosch, U. Rothermel, Y. Wu, F. Barletta, S. Czemm, S. Nahnsen, D. Helm, M. Schneider, K. Schaekel, A. Enk, B. Becher, M. Heikenwaelder; Heidelberg, Zuerich, Tuebingen |
| OP05/04
(P118)
under | 09:36 | A new mouse model of classical/mechanobullous EBA induced by pathogenic autoantibody generated by AIBD-specific B cells
Treg deficiency.
E. Vicari, S. Johannisson, T. Ramcke, S. Haeberle, A. Vorobyev, S. Goletz, H. Iwata, R. Ludwig, E. Schmidt, A. Enk, E. Hadaschik; Heidelberg, Luebeck, Sapporo, Essen |
| OP05/05
(P261) | 09:48 | Neutrophil extracellular traps (NETs) as potential biomarkers of immunotherapy in melanoma
A. Zeinal Abedini, J. Koett, X. Liu, A. Bauer, J. Gerwers, D. Smit, T. Renn, C. Gebhardt; Hamburg |

10:00-10:20 Quo Vadis Lecture III
F. Rambow, Essen
Towards a melanoma phenoscape
Introduction: J. Hundt

10:20-11:10 POSTER SESSION (all even poster

numbers) 11:10-12:00 POSTER SESSION (all odd poster

numbers)

SCIENTIFIC PROGRAMME

Saturday, March 15, 2025

12:00-13:00

Oral Presentations VI

Chairs: T. Sinnberg, K. Eyerich

- | | | |
|---------------------------|--------------|--|
| OP06/01
(P248) | 12:00 | Virotherapy as an alternative to chemotherapy-based conditioning for cellular immunotherapies in cancer
M. Purde, M. Kilic, S. Schmidt, H. Lauterbach, K. Orlinger, M. Joerger, L. Flatz; St. Gallen, Tuebingen, New York |
| OP06/02
(P046) | 12:12 | Altered Ca²⁺ homeostasis in keratinocytes of Darier disease patients contributes to Th17-dominated skin infiltrate.
T. Wagner, T. Burner, M. Ettinger, S. Kimeswenger, W. Hoetzenecker; Linz |
| OP06/03
(P114) | 12:24 | Exploring the Role of Human Primary Keratinocytes in Candida auris Infection: Antimicrobial Defense and Immune Signaling
S. Seiser, H. Brezovec, P. Penninger, T. Phan-Canh, D. Cerbu, C. Freystaetter, K. Kuchler, A. Elbe-Buerger; Vienna |
| OP06/04
(P047) | 12:36 | Human memory CD4⁺T cells enhance mast cell activation
J. He, M. Metz, S. Frischbutter; Berlin |
| OP06/05
(P242) | 12:48 | Development of a machine learning-based cytokine score to Predict outcomes in melanoma patients treated with immune checkpoint inhibitors
K. Schaper-Gerhardt, N. Flatt, Y. Angela, A. Walter, C. Kochanek, M. Rana, J. Borggreffe, I. von Wasielewski, R. Gutzmer; Minden, Hannover |

13:00-13:20

POSTER AWARDS*

Chairs: V. Raker, C. Schlapbach, L. Erpenbeck

**The ADF thanks Almirall Hermal GmbH and Lilly Deutschland GmbH for their support.*

13:20

Acknowledgements, Farewell, End of Meeting

F. Siebenhaar

POSTER SESSIONS

All posters:	Thursday,	March 13	18:10-21:00 Uhr
Even poster numbers:	Friday,	March 14	09:30-10:00 Uhr
	Saturday,	March 15	10:20-11:10 Uhr
Odd poster numbers:	Friday,	March 14	10:00-10:30 Uhr
	Saturday,	March 015	11:10-12:00 Uhr

Allergy

- P001** **Hereditary alpha Trypsinemia: A Retrospective Study at a Comprehensive Allergy Center**
V. Puxkandl, S. Aigner, W. Hoetzenecker, S. Altrichter; Linz
- P002** **Higher levels of MSCRAMM ligands in AD skin colonized with Staphylococcus aureus**
F. Stavrou, D. Schlueter, T. Werfel, L. Roesner; Hannover
- P003** **Regulation of the AhR signaling pathway during skin allergy**
S. Valle Torres; Bonn
- P004** **Nickel uptake into bone marrow derived dendritic cells (BMDC) is an active, but TLR4-independent process**
D. Bulutoglu-Rusan, N. Sahin, J. Weber, M. Schmidt, M. Goebeler, M. Schoen, A. Braun; Goettingen, Wuerzburg
- P005** **Differential responsiveness of human skin mast cells to SCF and IL-33, reduced reactivity to SCF but not to IL-33 in the post-mitotic phase**
M. Jin, J. Schneikert, S. Tripathi, Z. Li, T. Zuberbier, M. Babina; Berlin
- P006** **Positive outcome of the pivotal Phase III study with PQ Grass 27600 SU, a modified grass allergen subcutaneous immunotherapy (SCIT) product using MicroCrystalline Tyrosine (MCT) and Monophosphoryl Lipid A (MPL) as adjuvant system**
S. Zielen, A. Bernstein, U. Berger, M. Berger, R. Moesges, M. Shamji, L. DuBuske, M. Seybold, M. Kramer, M. Skinner, P. de Kam; Frankfurt, Cincinnati, Innsbruck, Vienna, Cologne, London, Washington, Worthing
- P007** **Meta-analysis of primary endpoint of Grass MATA MPL field studies with optimized dose and treatment regimen of PQ Grass 27600 SU**
S. Zielen, P. de Kam, M. Kramer, M. Skinner, F. Sellwood; Frankfurt, Worthing
- P008** **TAPAS - a long-term non-interventional study evaluating MCT (MicroCrystalline Tyrosine)-associated allergoids shows non-inferiority of clinical effectiveness in children compared to adults during a 3-year course of allergen immunotherapy**
R. Moesges, J. Raab, S. Allekotte, L. Day, C. Neuhoff, V. Johann, H. Sahin, N. Karahan, S. Ugur, F. Mueller, M. Kramer, M. Gerstlauer; Cologne, Muenchen, Worthing, Augsburg

SCIENTIFIC PROGRAMME

- P009** **Host-Microbiome interplay in early life determines atopic dermatitis development in children**
Y. Amar, M. Koeberle, M. Yamada, R. Bleuel, A. Schuch, S. Preis, C. Gasteiger, V. Lang, A. Blasini, S. Sitaru, M. Schielein, S. Niedermeier, R. Silva, S. Kublik, M. Schloter, T. Prow, S. Keasler, A. Zink, T. Biedermann; Munich, York
- P010** **Setae of the oak processionary moth induce severe skin inflammation**
P. Dasari, A. Gellermann, A. Moog, S. Forkel, M. Schoen, T. Buhl; Goettingen, Leipzig
- P011** **Comparison of the Clinical Performance of the RIDA qLine Allergy Test System in Identifying Food and Aeroallergen-Specific IgE with the Gold Standard**
K. Hahn, M. Schuppe, M. Hollstein, S. Forkel, T. Buhl; Goettingen
- P012** **Assessment of skin inflammatory biomarkers in dermal interstitial fluid collected with hollow microneedles in response to skin provocation**
H. Gao, N. Shi, A. Engman, P. Rangsten, C. Vera-Ayala, M. Renlund, J. Scheffel; Berlin, Kista
- P013** **CRISPR/Cas9 engineering iPSC: a novel cell-based model for mastocytosis**
Y. Luo, J. He, V. Fernandez Vallone, M. Hu, E. Blanc, S. Frischbutter, H. Stachelscheid, D. Beule, M. Maurer, F. Siebenhaar, J. Scheffel; Berlin, Luzhou
- P014** **Characterizing the antiviral function of the antimicrobial protein RNase 7 in the context of atopic dermatitis and eczema herpeticum**
Z. Liu, S. Chopra, H. Hinrichs, F. Rademacher, B. Sodeik, J. Harder, T. Werfel, K. Doehner; Hannover, Kiel
- P015** **Investigation of Novel Allergen Components in IgE Cross-Reactivity Reveals Continued Dominance of PR-10 Proteins**
M. Hollstein, M. Geis, S. Traidl, K. Hahn, S. Forkel, T. Buhl; Goettingen, Hannover, Leipzig
- P016** **Characterization of pathomechanisms of acute and chronic spontaneous urticaria**
H. Bonnekoh, C. Vera Ayala, F. Aulenbacher, M. Kinberger, M. Munoz, J. Scheffel, C. Steinert, Y. Xiang, L. Boehm, S. Mo√±ino-Romero, M. Metz, T. Buttgereit; Berlin
- P017** **Does Elevated Tryptase Indicate Disease Impact in Chronic Spontaneous Urticaria? ,À Preliminary Data**
N. Nojarov, F. Siebenhaar; Berlin
- P018** **Anti-KIT monoclonal antibody barzolvolimab does not induce apoptosis but reduces the activation of KIT D816V-mutated mast cells**
M. Hu, Y. Luo, D. Alvarado, S. Frischbutter, J. Scheffel, F. Siebenhaar, P. Pyatilova; Berlin, Hampton, New Jersey
- P019** **Adaptive immune responses to Staphylococcus aureus serine protease-like protein B in atopic dermatitis**
R. Pospich, G. Abdurrahman, T. Honstein, M. Nordengruen, S. Traidl, T. Werfel, B. Broeker, L. Roesner; Hannover, Greifswald
- P020** **Drug reaction with eosinophilia and systemic symptoms (DRESS): Deciphering the diversity of systemic immune profiles**
M. Ameri, C. von Wachter, S. Pedretti, R. Ziadlou, R. Selim⁴, M. Naegeli, D. Fehr, M. Moehrensclager, A. White, N. Li, Y. Mitamura, J. Peter, M. Brueggen; Zuerich, Cape Town, Davos

SCIENTIFIC PROGRAMME

- P021 Cold Urticaria: Exploring the Presence of Soluble Cold-Induced Antigens in Dermal Interstitial Fluid**
N. Nana Shi, H. Han Gao, W. Wilhelm Sponholz, M. Mikael Hillmering, P. Pelle Rangsten, C. Carolina Vera-Ayala, H. Hanna Bonnekoh, S. Sherezade Monino-Romero, M. Markus Renlund, S. Simon Grant, J. Joerg Scheffel; Berlin, Kista
- P022 Exploring the potential of telemedicine in care of allergy patients**
H. Hanna Lindemann, E. Hammer, L. Bonifacio, C. Greis, K. Hartmann; Basel, Basel, Zurich
- P023 function Staphylococcus aureus correlation with severity of Atopic Dermatitis as of clinical and environmental factors**
A. Reiter, R. Rohayem, M. Reiger, L. Rauer, C. CK-Care Study group, C. Traidl-Hoffman, C. Huelpuesch, A. Neumann; Augsburg, Davos, Freising
- P024 soluble Comparison of dermal interstitial fluid and plasma reveals tissue-specific biomarker profiles**
Z. Wu, N. Shi, H. Gao, M. Hillmering, A. Engman, P. Rangsten, M. Renlund, J. Scheffel; Berlin, Kista
- P025 Monocyte-mediated bystander T cell activation in varicose veins**
D. Uncuer, M. Winter, B. Kleis-Fischer, C. Mitschang, S. Leson, M. Klein, F. Shahneh, V. Raker, C. Becker; Muenster, Mainz

Cellular Biology

- P026 Adaptation of keratinocyte and fibroblast scratch wound models to investigate delayed wound healing conditions**
K. Reddersen, J. Tittelbach, C. Wiegand; Jena
- P027 in Comparison of different human keratinocyte cell lines for modeling skin aging two-dimensional cell cultures and organotypic skin equivalents**
K. Tav, N. Icka Araki, E. Kayikci, M. Schmid-Siegel, M. Hengstschlaeger, M. Schosserer; Vienna
- P028 inflammation DEC205, the prototypic antigen-uptake receptor in Langerhans cells, is also expressed by endothelial cells of the nervous system and regulates in the Experimental Autoimmune Encephalomyelitis (EAE) model**
S. Singh, S. Ring, X. Lei, A. Enk, K. Mahnke; Heidelberg
- P029 Sodium Butyrate Accelerates Diabetic Wound Healing through Epigenetic Modifications of Dysfunctional Macrophages**
K. Singh, A. Koroma, Y. Wang, J. Cheng, R. Pandey, M. Agarpour, P. Haas, L. Krug, A. Hainzl, M. Wlaschek, P. Maity, K. Scharffetter-Kochanek; Ulm
- P030 Oxidation-sensitive cysteines drive IL-38 amyloid formation**
A. Diaz-Barreiro, G. Cereghetti, F. Ortega Sanchez, J. Tonacini, D. Talabot-Ayer, S. Kieffer-Jaquinod, V. Kissling, A. Huard, C. Swale, T. Knowles, Y. Coute, M. Peter, A. Frances-Monerris, G. Palmer
Geneva, Cambridge, Granada, Grenoble, St. Gallen, Grenoble, Zurich, Valencia
- P031 Dissecting aging mechanisms in ribosomes using skin fibroblast cells**
M. Hartmann, Z. Cao, D. Zhang, Y. Li, K. Scharffetter-Kochanek, S. Iben; Ulm

SCIENTIFIC PROGRAMME

- P032** **Oxidation-driven processes in human keratinocytes analyzed by mass spectrometry**
Z. Wang, K. Wende, D. Singer, S. Bekeschus; Greifswald, Rostock
- P033** **Oxidized skin cancer cell line lysates modify the inflammatory profile in myeloid cells in vitro**
L. Yu, J. Berner, A. Martinet, S. Emmert, S. Bekeschus; Rostock, Greifswald
- P034** **Research on Alzheimer- γ s skin fibroblast model to investigate neurological degeneration:CRISPR-Cas9-Mediated Manipulation of Presenilin1 and APP Leads to Elevated Endoplasmatic Reticulum Stress and Affects Cell Translation**
Z. Cao, D. Zhang, M. Hartmann, K. Scharffetter-Kochanek, S. Iben; Ulm
- P035** **Skin mast cell derived exosomes can act as a communication system in the skin**
S. Tripathi, J. Schneikert, Z. li, M. Jin, T. Zuberbier, M. Babina; Berlin
- P036** **Molecular Monitoring of Transcriptional Changes in Male Volunteers with commencing Hair Loss Following Treatment with Quassia Amara Wood Extract Containing Serum**
S. Gruedl, W. Bartmann, S. Henne, S. Heilmann-Heimbach, L. Berriche, T. Welss; Duesseldorf, Bonn
- P037** **ABCB5+ MSCs From Old Adults Fail to Elicit Multilayered Microbicidal Functions to Control Gram Negative Bacteria**
P. Haas, K. Singh, S. Schatz, P. Maity, S. Munir, Y. Wang, J. Cheng, M. Aghapour Ask, A. Basu, D. Crisan, R. Bauer, S. Mauerer, B. Spellerberg, C. Ganss, M. Wlaschek, A. Kluth, K. Scharffetter-Kochanek; Ulm, Heidelberg
- P038** **Caspase-8 influences NLRP1 signaling in human keratinocytes**
T. Wang, M. Feoktistova, A. Yazdi, D. Panayotova-Dimitrova; Aachen
- P039** **Spatial transcriptomics exposes differences in the gene expression program of meibomian glands compared to sebaceous glands**
M. Schmidt, U. Hampel, H. Loeffler-Wirth, H. Binder, M. Schneider; Leipzig
- P040** **Generation and Characterization of SZ95 Sebocyte Spheroids: A Novel Three Dimensional Model**
J. Kunze, A. Hossini, C. Zouboulis; Dessau
- P041** **Tyrothricin strengthens cutaneous innate defense**
V. Seega, F. Rademacher, N. Heinemann, R. Glaeser, A. Rademaekers, J. Harder; Kiel, Niederdorfelden
- P042** **A new melanocyte specific mouse model for elucidating the role of LRIG1 in cutaneous melanoma**
T. Hommel, B. Wagner, M. Dahlhoff; Vienna
- P043** **Identification of autophagy-regulated proteins by proteomic analysis of hair shafts and tape-stripped stratum corneum**
S. Suksee, N. Karim, I. Nagelreiter, F. Gruber, E. Tschachler, R. Rice, L. Eckhart; Vienna, Davis, CA
- P044** **Talabostat enhances the development of AK23-induced acantholysis**
Y. Jiang, M. Feoktistova, M. Schmidt, D. Panayotova-Dimitrova, A. Yazdi; Aachen
- P045** **Brown seaweed extract has antimicrobial effects against S. aureus and shows promising effects in a 2D in vitro AD model**
N. Heinemann, F. Rademacher, R. Glaeser, L. Piker, J. Harder; Kiel

SCIENTIFIC PROGRAMME

- P046** **Altered Ca²⁺ homeostasis in keratinocytes of Darier disease patients contributes to Th17-dominated skin infiltrate.**
T. Wagner, T. Burner, M. Ettinger, S. Kimeswenger, W. Hoetzenecker; Linz
- P047** **Human memory CD4⁺T cells enhance mast cell activation**
J. He, M. Metz, S. Frischbutter; Berlin
- P048** **Pro-fibrotic activation profile of normal and cancer-associated fibroblasts from squamous cell carcinoma after modulation of the actin-binding protein filamin B**
T. Bokern, A. Kareem, J. Lenger, K. Amschler, C. Kromer, A. Uhmman, A. Fehr, M. Schoen, V. Lorenz; Goettingen, Gothenburg

Chemokines/Cytokines

- P049** **A transcriptome atlas of inflammatory skin diseases allows disease stratification based on cytokine signatures**
B. Klein, K. van Straalen, J. Kirma, M. Sarkar, R. Bogle, M. Kahlenberg, L. Tsoi, J. Gudjonsson; Ann Arbor
- P050** **Dichotomous STAT5 and STAT6 activation in T cells reflects cytokine shifts between blood and skin in atopic dermatitis**
A. Boldt, R. Treudler, M. Rabe, S. Seiffert, N. Artz, R. Bogle, L. Wilkens, A. Bialas, L. Praeger, L. Tsoi, U. Koehl, S. Franz, S. Grunewald, J. Simon, M. Kahlenberg, J. Gudjonsson, B. Klein; Leipzig, Berlin, Ann Arbor
- P051** **Serum cytokine profiles in neutrophilic dermatoses**
H. Bonnekoh, J. Gebala, M. Butze, C. Vera Ayala, K. Krause, S. Frischbutter; Berlin
- P052** **Immune Complex Induced Migration of Slan⁺ Non-Classical Monocytes and Its Implications in Systemic Lupus Erythematosus**
M. Hertwig, S. Oehrl, A. List, T. Doebel, K. Schaekel; Heidelberg
- P053** **Drivers of Inflammation in Pyoderma Gangrenosum: The Role of IL-1 Family Cytokines**
F. Hilke, A. Deland, K. Meier, F. Ghoreschi, E. Mueller-Hermelink, K. Ghoreschi; Berlin

Clinical Research

- P054** **Baseline pathological liver function tests in patients with psoriasis support the indication for systemic therapy rather than being a reason against it: A real-world analysis.**
F. Krefting, C. Scheib, S. Benson, S. Hoelsken, J. Placke, H. Wedemeyer, W. Sondermann; Essen, Hannover
- P055** **Patterns of skin lesions in bullous pemphigoid suggest control of inflammation by local skin tissue**
L. Robrahn, L. Macias, J. Pruessmann, R. Krampitz, K. Boch, S. Emtenani, E. Gaffal, E. Schmidt, M. Hoffmann; Luebeck, Kiel
- P056** **Rifampicin versus clindamycin-rifampicin in HS: Same effect or measurable differences?**
I. Rzehak, T. Ickelsheimer, R. Kaufmann, A. Pinter, A. Koenig; Frankfurt

SCIENTIFIC PROGRAMME

- P057** **Impact of an emollient-induced skin pH reduction on the microbial balance in atopic dermatitis**
B. Berk, R. Rohayem, M. Reiger, L. Klepper, C. Ranieri, C. Guelzow, C. Seide, A. Worthmann, A. Schoelermann, F. Rippke, C. Traidl-Hoffmann, A. Neumann, C. Huelpuesch; Augsburg, Davos, Augsburg, Hamburg
- P058** **Addressing the significance of the time interval between primary melanoma excision and sentinel lymph node biopsy**
C. Eberle, J. Eberle, T. Eigentler; Berlin
- P059** **Link between system xCT/Slc7a11 and ferroptosis in systemic sclerosis.**
J. Tiemann, S. Muecklich, S. Leson, M. Kneilling, R. Mehling, M. Roecken, K. Schwegmann, M. Schaefer, P. Backhaus, K. Steinbrink, V. Raker; Muenster, Mainz, Tuebingen, Berlin
- P060** **Gas plasma technology optimization for enhanced drug-resistant bacteria targeting in wounds**
R. Clemen, L. Boeckmann, S. Emmert, S. Bekeschus; Greifswald, Rostock
- P061** **The Hawthorne effect in prospective dermatological studies: Changes in perception and behavior in a remote non-interventional study in adults and children suffering from AD**
L. Herrmann, R. Ziegler, S. Andreev, C. Neubauer, N. Maehler, K. Moritz, C. Apfelbacher, C. Abels; Neumarkt, Magdeburg
- P062** **The role of the tumor microenvironment in primary cutaneous B-cell lymphoma: a retrospective study from the Lymphoma Unit at Charité**
R. Cankaya, P. Kleiner, R. Moritz, G. Dobos; Berlin
- P063** **Reprogramming of Human Monocytes by Glucocorticoids: Enhanced Survival and Functional Benefits**
Y. Kusche, K. Vischedyk, K. Barczyk-Kahlert, J. Ehrchen; Muenster
- P064** **S. aureus as a potential predictor of therapy response to baricitinib in Skin microbiome response of adult patients with moderate-to-severe atopic dermatitis under therapy with baricitinib over 12 weeks in a real world setting**
N. Engelbert, L. Klepper, M. Bhattacharyya, M. Reiger, A. Neumann, C. Rhyner, M. Schmitz, N. Herrmann, R. Havenith, A. Bamarni, D. Bouschery, . CK-CARE study group, T. Bieber, C. Traidl-Hoffmann, L. Maintz, C. Huelpuesch; Augsburg, Davos, Bonn, Freiburg
- P065** **Development of a classifier for diagnosis of early Mycosis Fungoides**
N. Langreder, M. Meinel, C. Hillig, K. Eyerich, S. Eyerich, M. Menden, N. Garzorz-Stark; Freiburg, Neuherberg, Martinsried, Munich, Parkville, Victoria
- P066** **An open-label, uncontrolled, multicenter phase II study to evaluate the safety, local tolerability, systemic exposure, and efficacy of 1% GPB cream in adolescents with severe primary axillary hyperhidrosis**
R. Szeimies, A. Kilic, B. Berger, L. Litzka, K. Schramm, E. Schulze zur Wiesche, C. Masur; Recklinghausen, Bielefeld, Muenchen
- P067** **A proteomics-based approach for the classification of patients with systemic sclerosis**
S. Al-Gburi, I. Zeinert, P. Moinszadeh, N. Hunzelmann, S. Mueller, B. Eckes, T. Krieg; Cologne
- P068** **Assessing the influence of psoriasis and anti-inflammatory therapy on the progression of malignant melanoma**
L. Trautmann, A. Tasdogan, W. Sondermann; Essen

SCIENTIFIC PROGRAMME

- P069** **Analysis of sex-specific differences in the outcome of first-line immunotherapy or targeted therapy in patients with metastatic stage IV melanoma, À an ADO/DeCOG study in 2032 patients from the prospective, multicenter skin cancer registry ADOREG**
A. Leven, T. Peters, L. Rajcsanyi, M. Weichenthal, P. Mohr, F. Meier, I. von Wasielewski, R. Gutzmer, J. Utikal, P. Terheyden, R. Herbst, S. Haferkamp, C. Pfoehler, U. Leiter, A. Kreuter, C. Gebhardt, S. Lutze, C. Weishaupt, S. Grabbe, D. Debus, J. Hassel; Essen, Kiel, Buxtehude, Dresden, Hannover, Minden, Mannheim, Luebeck, Erfurt, Regensburg, Homburg/Saar, Tuebingen, Oberhausen, Hamburg, Greifswald, Muenster, Mainz, Nuremberg, Heidelberg
- P070** **Robust prediction of long-term disease course in atopic dermatitis employing machine learning**
I. Bermudez-Perez, I. Harder, M. Huebenthal, E. Rodriguez, D. Stoelzl, U. Mrowietz, . The ImmUniverse Consortium, S. Weidinger, R. Haesler; Kiel, Munich
- P071** **Adjuvant treatment decisions of patients with stage IIB/C and stage III melanoma: real-world data from a large skin cancer center in Berlin**
N. Mechow, W. Peitsch, K. Diehl, J. Ohletz, J. Herz, L. Eisert, W. Harth, J. Weilandt; Berlin, Erlangen
- P072** **Liver metastases are associated with a short post-progression survival in a real-world cohort of melanoma patients treated with checkpoint inhibitors**
M. Mengoni, T. Tueting, E. Gaffal, A. Braun; Magdeburg, Luebeck
- P073** **The role of the tumor microenvironment in primary cutaneous B-cell lymphoma: a retrospective study from the Lymphoma Unit at Charite**
R. Cankaya, P. Kleiner, M. Schlaak, R. Moritz, G. Dobos; Berlin
- P074** **D-dimers as prognostic markers in melanoma patients under immune checkpoint inhibition – a two-center study**
T. Zell, J. Koett, N. Zimmermann, G. Ancker, D. Smit, G. Geidel, S. Wohlfeil, J. Utikal, S. Schneider, C. Gebhardt; Hamburg, Heidelberg

Dermato-Endocrinology

- P075** **Endothelial cells are target cells for the antifibrotic potential of the $\alpha 7$ nicotinic acetylcholine receptor in scleroderma**
A. Stegemann, V. Raker, P. Schmidle, S. Braun, Z. Pethoe, A. Schwab, K. Steinbrink, M. Boehm; Muenster
- P076** **Umbrella Review on the Relationship between Vitamin D Levels and Cancer**
M. Schoemann-Finck, T. Vogt, J. Reichrath; Saarbruecken, Homburg
- P077** **Autoantibodies against pituitary proteins in melanoma patients with checkpoint inhibitor induced hypophysitis**
T. Sinnberg, V. Aebischer, A. Jochum, A. Nuebling, B. Macek, D. Bomze, L. Heinzerling, E. Jaeger, M. Levesque, B. Schilling, C. Gebhardt, W. Jochum, T. Amaral, A. Forschner, U. Leiter, M. Joerger, L. Flatz; Tuebingen, St. Gallen, Zuerich, Frankfurt, Hamburg, Berlin, Tel-Aviv, Munich
- P078** **Acne and hidradenitis suppurativa lesions cycle**
C. Zouboulis; Dessau
- P079** **Melatonin and BRAF/MEK inhibitors: an effective suppressive combination for targeted therapy of human melanoma**
H. Ahrens, A. Wolnicka-Glubisz, M. Gagat, A. Slominski, M. Tulic, M. Boehm, K. Steinbrink, K. Kleszczynski; Muenster, Krakow, Bydgoszcz, Birmingham, Nice

SCIENTIFIC PROGRAMME

- P080** **Metabolic regulation of neonatal epidermis composition and skin barrier formation**
J. Naetlitz, J. Boix, N. Niehoff, A. Sen, J. Etich, B. Brachvogel, D. Pla-Martin, H. Bazzi, P. Giavalisco, R. Wiesner; Cologne
- P081** **Does the alpha-MSH-MC1R axis modulate UVA-mediated cellular responses crucially involved in dermal photoaging?**
M. Boehm, B. Poepplmann, A. Stegemann, K. Steinbrink, N. Schaefer, S. Graessel; Muenster, Regensburg

Dermatopathology

- P082** **Stromal mucin expression in basal cell carcinoma predicts progression under hedgehog inhibition**
V. DeTemple, R. Stadler, S. Bredemeier, M. Doerler, M. Stuecker, R. Gutzmer, C. Scheel; Minden, Bochum
- P083** **Lesion localization in autoimmune blistering dermatoses is independent of site-specific antigen expression**
S. Emtenani, T. Rastegar Lari, L. Macias, H. Dikmen, C. Kiehne, S. Engster, I. Weyers, S. Szymczak, N. van Beek, E. Schmidt; Luebeck, Luebeck
- P084** **Exploring ribosomal biogenesis and function in ALS: The role of FUS depletion and mutation**
Y. Li, D. Zhang, M. Hartmann, Z. Cao, K. Scharffetter-Kochanek, S. Iben; Ulm
- P085** **Serration pattern analysis in the diagnosis of pemphigoid diseases**
A. Sequeira Santos, B. Berg, D. Didona, M. Hertl; Marburg
- P086** **Development of an immunologically active fibrosis model using hiPSC-derived skin organoids**
A. Hauser, S. Gundel, A. Reigl, N. Koeder, S. Zoephel, M. Ackermann, M. Schinke, F. Groeber-Becker, N. Lachmann, D. Groneberg; Wuerzburg, Duesseldorf, Hannover
- P087** **3D Segmentation and Visualization of Skin Vasculature Using Line-Field Confocal Optical Coherence Tomography**
O. Mayer, H. Wirsching, S. Schlingmann, J. Welzel, S. Schuh; Augsburg
- P088** **AI-assisted Evaluation of CD4/CD8-Ratio in Mycosis fungoides**
G. Zhelyazkov, S. Leson, P. Milde, G. Dobos, R. Moritz; Berlin
- P089** **CCR4 expression in rare CTCL subtypes**
R. Moritz, P. Pi $\sqrt{\geq}$ rek, G. Dobos; Berlin
- P090** **Architecture of peripheral sensory and sympathetic neurons in melanoma**
S. Hoehn, S. Gellert, A. Buzzai, O. Kobler, B. Kruse, S. Bonifatius, S. Remy, E. Gaffal, T. Tueting; Magdeburg, Luebeck

Epidemiology

- P091** **Cardiometabolic and psychiatric comorbidity alleviated by GLP-1RA in patients with psoriasis: a large-scale cohort study**
H. Olbrich, K. Kridin, G. Hernandez, C. Sadik, E. Gaffal, D. Thaci, R. Ludwig; Luebeck, Nahariya, Safed, Cambridge

SCIENTIFIC PROGRAMME

- P092 Dupilumab shows no elevated risk for maternal adverse pregnancy outcomes: A large-scale, propensity-score-matched retrospective cohort study**
S. Preuss, K. Bieber, A. Vorobyev, A. Recke, E. Moderegger, H. Zirpel, E. Gaffal, D. Thaci, K. Kridin, R. Ludwig; Luebeck, Safed, Poriya

Genetics

- P093 FLCN knockdown increases DNA damage susceptibility and global hypomethylation in human hair follicles ex vivo**
W. Fostier, K. Linowiecka, J. Cheret, N. Rajan, R. Paus; Newcastle upon Tyne, Miami, Torun, Berlin
- P094 Novel germline KIT variant, KIT F508C, with homozygous occurrence in a consanguineous kindred with familial mastocytosis**
B. Fiebig, H. Lindemann, I. Tantcheva-Poor, K. Hartmann; Cologne, Basel

Health Services Research

- P095 Enhanced Follicular Delivery of Isopropanol Using Hesperetin Nanocrystals for Deep and Prolonged Antisepsis**
L. Roscetti, A. Klein, C. Keck, M. Meinke; Berlin, Marburg
- P096 Data protection and its implementation in the CRUSE® mobile health application for chronic spontaneous urticaria according to the General Data Protection Regulation (GDPR)**
E. Witte-Haendel, A. Ramanauskaite, A. Lingnau, R. Britz, C. Hayford, B. Sousa-Pinto, G. de Vries, M. van Eerd, M. Maurer, M. Metz, S. Neisinger; Berlin, Porto, Geldermalsen
- P097 Participation and Disability in Ichthyosis: A Qualitative Study on Impairment and Care Experiences**
J. Stucke, A. Wacker, K. Suessmuth, S. Steinke; Bielefeld, Berlin
- P098 A novel patient education tool of the CRUSE® mobile health application to empower chronic spontaneous urticaria patients**
E. Witte-Haendel, S. Neisinger, A. Lingnau, R. Britz, B. Sousa-Pinto, G. de Vries, M. van Eerd, M. Maurer, M. Metz, A. Ramanauskaite; Berlin, Porto, Geldermalsen

Immunology

- P099 Breadth of CD8+ T-cell response in patients with melanoma - predictive marker, functional relevance and novel therapeutic perspectives**
C. Collins, M. Kilic, M. Abdou, K. Hofmeister, A. Jochum, L. Villiger, O. Pop, P. Sieber, S. Feuchter, F. Berner, M. Joerger, A. Cozzio, L. Flatz; St. Gallen, Tuebingen
- P100 Staphylococcus epidermidis reduces Staphylococcus aureus skin colonization by shaping skin immune responses**
J. Focken, B. Schitteck; Tuebingen

SCIENTIFIC PROGRAMME

- P101** **FXa and GPIIb α -mediated monocyte-platelet interaction drives systemic fibrosis**
M. Neif, I. Braun, J. Tiemann, M. Klein, W. Ruf, K. Jurk, V. Raker; Muenster, Mainz
- P102** **Liposome-encapsulated antigens are superior in inducing T cell proliferation after subcutaneous injection**
X. Lei, S. Ring, M. Macher, I. Platzman, J. Spatz, A. Enk, K. Mahnke; Heidelberg
- P103** **The role of the complement system in pustular dermatoses**
K. Hertwig, E. Tiessen, A. Schultze, V. Hall, M. Huber-Lang, J. Weiss, K. Scharffetter-Kochanek, M. Mannes; Ulm
- P104** **IL-18 activates human Th2 cells in atopic dermatitis**
S. Schaerli, F. Luther, T. Werfel, J. Thyssen, S. Eyerich, M. Gilliet, N. Bertschi, C. Schlapbach; Bern, Hannover, Hellerup, Munich, Lausanne
- P105** **AhR agonism by tapinarof regulates TH2 and TH17 cell function in human skin by inhibition of fatty acid oxidation**
F. Luther, N. Bertschi, S. Schaerli, S. Radonjic-Hoesli, D. Simon, C. Schlapbach; Bern
- P106** **The immunoregulatory role of IRE1 in the progression of skin disease**
Y. Tian, L. Arendholz, E. Stanzely, F. Kurschus; Heidelberg, Munich
- P107** **In naive CD4 $^{+}$ T cells, a highly proliferative CD73 $^{+}$ early effector subset excels at infiltrating the skin during inflammation and subsequently developing into memory T cells.**
L. Chen, S. Ring, A. Enk, K. Mahnke; Heidelberg
- P108** **Differences in T-cell-signaling during sensitization of Hapten-induced immune responses of the skin: Sensitization versus Tolerance**
B. Enk, S. Ring, K. Mahnke; Heidelberg
- P109** **Bullous pemphigoid develops independently of DAP12**
M. Pigors, M. Brudey, S. Patzelt, E. Schmidt; Luebeck
- P110** **Pretreatment with the foreign protein Ovalbumin emulsified in the adjuvant combination TiterMax/Alum prevents pathogenesis in the murine immunization-induced model for Epidermolysis bullosa acquisita**
F. Bahreini, K. Bieber, C. Hammers, M. Ehlers, A. Vorobyev, J. Westermann, K. Kalies; Luebeck
- P111** **Immune profiling of desmoglein 3-reactive T helper cells in pemphigus vulgaris**
J. Hinterseher, B. Betonico Berg, M. Hertl; Marburg
- P112** **Multi-Omics Skin Disease Atlas for Accurate and Rapid AI-Driven Clinical Decision Making**
P. Stadler, G. Wallmann, K. Kerl-French, M. Neulinger, M. Zwiebel, L. Eicher, S. Senner, A. Boehm, M. Mitwalli, T. Pumnea, W. Kempf, M. Flaig, D. Helbig, R. Stadler, M. Strauss, T. Satoh, M. Mann, T. Nordmann, L. French; Munich, Planegg, Zurich, Cologne, Minden
- P113** **Skin-infiltrating T and B cells in the pathogenesis of pemphigoid diseases**
R. Atallah, S. Schacht, B. Wijaya, L. Bauer, J. Wehrenberg, G. Heine, A. Hutloff; Kiel
- P114** **Exploring the Role of Human Primary Keratinocytes in Candida auris Infection: Antimicrobial Defense and Immune Signaling**
S. Seiser, H. Brezovec, P. Penninger, T. Phan-Canh, D. Cerbu, C. Freystaetter, K. Kuchler, A. Elbe-Buerger; Vienna
- P115** **Anti-tumor potential of alpha-melanocyte-stimulating hormone by reducing in vitro generated myeloid-derived suppressor cell numbers**
A. Arndt, U. Raap, T. Luger, K. Loser; Oldenburg, Muenster

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- P116** **Anti-inflammatory potential of novel peripheral kappa-opioid receptor agonists by altering mitochondrial activity and cell metabolism**
K. Hoffmann, B. Wuensch, K. Loser; Oldenburg, Muenster
- P117** **Topical C5aR1 inhibition reduced clinical lesions in a preclinical model of mucous membrane pemphigoid**
S. Patzelt, M. Pigors, S. Khilchenko, S. Emtenani, M. Kamaguchi, L. Chakievskaya, K. Bieber, P. Cocchiari, L. Brandolini, A. Aramini, M. Allegretti, R. Ludwig, E. Schmidt; Luebeck, L'Aquila
- P118** **A new mouse model of classical/mechanobullous EBA induced by a pathogenic autoantibody generated by AIBD-specific B cells under Treg deficiency.**
E. Vicari, S. Johannisson, T. Ramcke, S. Haeberle, A. Vorobyev, S. Goletz, H. Iwata, R. Ludwig, E. Schmidt, A. Enk, E. Hadaschik; Heidelberg, Luebeck, Sapporo, Essen
- P119** **The Proliferation-associated protein 2G4 (PA2G4) as a multi-functional disease driver in psoriasis, mediating keratinocyte proliferation and inflammation**
T. Raunegger, J. Eigemann, S. Wasserer, G. Aydin, T. Biedermann, F. Laufer, M. Jargosch; Munich
- P120** **AHR-deficient tumour cells escape CD8+ T cell immune therapy**
S. Gellert, B. Kruse, A. Buzzai, M. Celebi, W. Li, K. Knauth, S. Bonifatius, M. von Wricz Rekowski, M. Boettcher, S. Weinert, M. Mengoni, A. Braun, D. Mougiakakos, T. Tueting; Magdeburg
- P121** **Impact of glutamate metabolism and its inhibition on melanoma development and myeloid cells**
S. Dieckmann, C. Tripp, H. Strandt, F. Hornsteiner, A. Schaefer, H. Oberacher, J. Woelk, N. Hermann-Kleiter, P. Stoitzner; Innsbruck
- P122** **Investigating pathogenicity of a N-terminal BP230 autoantibody in human skin models**
S. Johannisson, T. Ramcke, B. Sauer, B. Fehrenbacher, B. Schitteck, E. Hadaschik, A. Enk; Heidelberg, Tuebingen, Essen
- P123** **The Impact of Diet and Age on Contact Hypersensitivity**
A. Ruehl-Muth, M. Maler, P. Esser, S. Martin; Freiburg
- P124** **HOCl-oxidized melanoma cells provide inflammatory stimuli in human dendritic cells**
L. Miebach, R. Clemen, S. Emmert, S. Bekeschus; Greifswald, Rostock
- P125** **Mechanism of dermal $\gamma\delta$ T cells expansion in inflammation**
E. Stenzaly, D. Ibberson, Y. Tian, F. Kurschus; Heidelberg
- P126** **Keratinocyte-derived IL-25 as a regulator of epidermal and dermal function in inflammation**
X. Jiang, M. Shutova, N. Brembilla, A. Modarressi, B. Russo, M. Piallat, W. Boehncke; Geneva
- P127** **Establishment of an ex vivo placental explant model to analyze autoantibody-mediated effects on the placenta in Pemphigoid gestationis**
S. Preuss, L. Renshall, K. Bieber, M. Gembicki, N. Gross, A. Vorobyev, E. Gaffal, P. Brownbill, R. Ludwig; Luebeck, Manchester, Machester
- P128** **Thrombin-Dependent and C3-Independent Mechanisms in Experimental Pemphigoid Disease Inflammation**
S. Mousavi, S. Draeger, L. Schmidt-Jimenez, M. Kamaguchi, K. Izumi, A. Kasprick, S. Patzelt, S. Emtenani, M. Pigors, E. Schmidt, K. Bieber, R. Ludwig; Luebeck

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- P129** **Generation of albumin nanocapsules and nanocrystals for efficient intracellular drug release**
J. Westmeier, S. Pottanam Chali, F. Krebs, S. Jiang, F. Neesen, D. Uncuer, M. Schelhaas, S. Grabbe, C. Becker, K. Landfester, K. Steinbrink; Muenster, Mainz
- P130** **The Influence of different immunosuppressive drugs on ex vivo expanded regulatory T cells**
T. Lutz, M. Wiesinger, T. Czerwinski, C. Mark, M. Neurath, B. Fabry, C. Voskens; Erlangen
- P131** **Standardized diagnosis of pemphigoid diseases with serum autoantibodies against the dermal side of salt-split skin by indirect immunofluorescence microscopy**
S. Patzelt, K. Drenovska, C. Kiehne, C. Probst, L. Komorowski, S. Mindorf, E. Schmidt, S. Goletz; Luebeck, Sofia
- P132** **Targeting JAK1/2 with Ruxolitinib: A Promising Therapy for Pemphigoid Diseases**
N. Gross, A. Kasprick, N. Ernst, L. Schmidt-Jimenez, S. Draeger, S. Mousavi, C. Osterloh, M. Kamaguchi, P. Boakye-Dankwa, S. Patzelt, A. Vorobyev, K. Amber, R. Ludwig, K. Bieber; Luebeck, Chicago
- P133** **Impact of IgG Subclasses on Kinase Activity in Pemphigus: Insights into Dsg3 Dynamics**
E. Moderegger, J. Bremer, M. Nijenhuis, C. Osterloh, A. Barbosa Gulde, R. Ludwig, H. Pas, N. Ernst; Luebeck, Groningen
- P134** **Overactivation of CdC42 Kinase Impairs the Cytotoxic Function of NK Cells from Old Adults Enhancing Accumulation of Senescent Fibroblasts in Aging Skin – A Successful Rescue by the CdC42 Inhibitor CASIN**
A. Koroma, K. Shekhawat, Y. Wang, M. Aghapour-Ask, M. Wlaschek, H. Geiger, P. Maity, K. Scharffetter-Kochanek; Ulm
- P135** **Kinase signalling cascades in neutrophils might comprise several potential therapeutic targets for pemphigoid disease**
M. Schlotfeldt, M. Radziewitz, C. Zuenkeler, M. Armbrust, A. Kasprick, S. Johannisson, D. Mehlberg, C. Osterloh, N. Ernst, R. Ludwig, K. Bieber; Luebeck
- P136** **Understanding confined functions of neutrophils in the pathophysiology of diabetic wound healing**
J. Kessler, A. Kakpenova, S. Franz; Leipzig
- P137** **Characterization of blood TIGIT+ CD8+ T cells in melanoma patients**
F. Ghorbani, S. Kwapik, I. Moeller, K. Kelly, A. Zaremba, M. Llamazares Prada, C. Plass, D. Schadendorf, A. Sucker, A. Paschen, F. Zhao; Essen, Heidelberg
- P138** **Targeting ERK5 in Epidermolysis bullosa acquisita: a novel approach to modulating neutrophil-mediated autoimmunity**
S. Draeger, M. Schlotfeldt, L. Voss, S. Johannisson, M. Radziewitz, A. Schneider, C. Osterloh, N. Gross, A. Kasprick, N. Ernst, A. Lux, R. Ludwig, K. Bieber; Luebeck, Erlangen
- P139** **Monoclonal 2G4 Antibody Fab Fragments Facilitate Cryogenic Electron Microscopy in Pemphigus Research**
M. Sahre, A. Kumar, A. Zakrzewicz, R. Tikkanen, J. Schuller, C. Hudemann; Marburg, Giessen
- P140** **The influence of prednisolone treatment on split formation in the human skin organ culture model for pemphigus vulgaris**
N. Schoell, C. Hammers, A. Mueller, R. Akbarzadeh, V. Hartmann, J. Hundt; Luebeck, Regensburg

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- P141** **Metformin attenuates IFN-gamma-mediated macrophage activation in necrobiotic xanthogranuloma**
H. Klapproth, M. Huerta Arana, J. Lackmann, L. Bopp, M. Fabri; Cologne
- P142** **3D skin equivalents displaying the interplay between Th2-polarized T cells and Staphylococcus aureus growth**
I. Suhrkamp, M. Fonfara, M. Magdalena, J. Hartmann, E. Rodriguez, F. Rademacher, J. Harder, H. Emmert, S. Weidinger; Kiel
- P143** **SERPINB3 as a Novel Autoantigen Driving a Th2-Skewed Immune Response in Psoriasis with Eczematous Features**
J. Kuruvila, M. Jargosch, S. Lekiasvili, S. Kaesler, S. Blank, T. Biedermann, N. Garzorz-Stark, Z. Kurgyis; Munich, Stockholm
- P144** **Single cell mapping identifies a distinct platelet-phenotype in psoriatic Type III inflammation**
K. Kommos, S. Krishnarajah, T. Bieler, E. Friebel, P. Ramadori, S. Kam, F. Mueller, S. Prokosch, U. Rothermel, Y. Wu, F. Barletta, S. Czermel, S. Nahnsen, D. Helm, M. Schneider, K. Schaekel, A. Enk, B. Becher, M. Heikenwaelder; Heidelberg, Zuerich, Tuebingen
- P145** **VSNL1 is a multifaceted driver of psoriatic skin inflammation regulating keratinocyte proliferation, differentiation and cytokine release**
J. Eigemann, S. Wasserer, C. Hillig, E. Clayer, T. Biedermann, S. Eyerich, M. Jargosch, F. Lauffer; Munich, Neuherberg
- P146** **Immunogenic Cell Death (ICD) and ICD-dependent Dendritic Cell Activation triggered by Extracorporeal Photopheresis in CTCL**
A. Lackner, T. Burner, M. Brandner, S. Aigner, V. Buxhofer-Ausch, M. Geroldinger-Simic, S. Dey, C. Iselin, Y. Chang, Y. Tsai, P. Wolf, S. Kimeswenger, E. Guenova, W. Hoetzenecker; Linz, Graz, Lausanne
- P147** **Aryl hydrocarbon receptor-signaling alters metabolic functions in eosinophils, a key player in inflammatory skin diseases**
M. Neumann, M. Novovic, H. Olbrich, S. Murthy, P. Schilf, C. Sadik; Luebeck
- P148** **OX40 expression limits suppressive capacity of FOXP3+ T regulatory cells in pemphigus**
A. Mesas-Fernandez, K. Kokubo, A. Deland, E. Klein, J. Holstein, K. Meier, D. Didona, R. Maglie, A. Polakova, K. Zimmer, F. Hilke, M. Hertl, C. Moebis, K. Hirahara, F. Solimani, K. Ghoreschi; Berlin, Chiba, Tuebingen, Marburg
- P149** **Insomnia increases the risk for specific autoimmune diseases: A large-scale retrospective cohort study**
S. Stenger, A. Vorobyev, K. Bieber, T. Lange, R. Ludwig, J. Hundt; Luebeck
- P150** **In depth characterization of the lupus pre-disease phase in mice**
S. Stenger, T. Stilla, S. Pichlo, L. Li, L. Kreutzfeld, S. Biswas, R. Manz, K. Bieber, R. Ludwig, J. Buhre, S. Lehrian, M. Ehlers, A. Kuenstner, T. Lange, J. Hundt; Luebeck, Berlin
- P151** **Potential explanation for severity, atopy and anxiety in Generalized Pustular Psoriasis (GPP) deciphered by transcriptome analysis**
E. Tiessen, P. Maity, V. Hall, L. Maile, K. Scharffetter-Kochanek, J. Weiss; Ulm
- P152** **Chitin Sensing Promotes the Inflammatory Activation of Human Keratinocytes**
C. Imelmann, A. Grossdorf, S. Nabil, S. Vidal y Sy, T. Obser, M. Hellmann, B. Moerschbacher, S. Schneider, C. Gorzelanny; Hamburg, Muenster
- P153** **Optimizing T helper cell subset analysis from skin biopsies by flow cytometry**
E. Klein, A. Deland, L. Cano-Rochin, K. Meier, F. Hilke, F. Solimani, A. Mesas-Fernandez, K. Ghoreschi; Berlin

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- P154** **TYK2 inhibition improves clinical hallmarks and molecular biomarkers in various subtypes of cutaneous lupus erythematosus**
S. Wasserer, N. Kurzen, P. Seiringer, M. Jargosch, J. Eigemann, G. Aydin, T. Raunegger, S. Eyerich, T. Biedermann, K. Eyerich, F. Lauffer; Munich, Freiburg im Breisgau
- P155** **Immunological characteristics in morphea and lichen sclerosus**
Y. Kalantari, A. Deland, K. Meier, L. Cano Rochin, A. Mesas Fernandez, F. Hilke, K. Ghoreschi, F. Solimani; Berlin
- P156** **The leukotriene B4 receptor BLT1 on neutrophils is essential for mucocutaneous lesions in a mouse model of anti-laminin-332 mucous membrane pemphigoid**
S. Murthy, T. Bremer, S. Patzelt, P. Schilf, S. Gonther, M. Neumann, E. Schimdt, C. Sadik; Luebeck
- P157** **Enhanced frequency of EMP1 LMNA /cDC in DC2 and monocytes derived DC3 in lupus patients**
C. Loeser, S. Roesing, R. Wehner, A. Eugster, C. Guenther; Dresden
- P158** **Inhibition of the JAK/STAT pathway prevents acantholysis in pemphigus**
F. Solimani, J. Holstein, K. Meier, L. Cano-Rochin, A. Mesas-Fernandez, F. Hilke, K. Ghoreschi; Berlin, Tuebingen
- P159** **Complement Factor 3 Deposition at the Dermal-Epidermal Junction Delays Disease Onset in a Murine Model of Epidermolysis Bullosa Acquisita**
L. Schmidt-Jimenez, P. Freire, K. Izumi, M. Kamaguchi, S. Jarrar, S. Hwang, K. Bieber, R. Ludwig, A. Verschoor; Luebeck, Sapporo
- P160** **Immunophenotyping of peripheral B cell subsets in patients with chronic spontaneous urticaria**
H. Nagra, M. Metz, S. Frischbutter; Berlin
- P161** **The role of mitochondrial stress in dermatomyositis**
J. Steininger, L. Mlitzko, K. Fischer, S. Meisterfeld, B. Fehrenbacher, S. Roesing, C. Guenther; Dresden, Tuebingen
- P162** **Correlation of Transcriptomic and Protein Changes with Split Formation and Cell Detachment in a 3D Skin Model for Pemphigus Vulgaris**
V. Hartmann, S. Guo, A. Kuenstner, C. Hammers, H. Busch, J. Hundt; Luebeck, Regensburg
- P163** **Composition of the inflammatory infiltrate and phosphorylated STAT signal in lichen amyloidosis**
L. Cano Rochin, A. Mesas-Fernandez, A. Deland, K. Meier, F. Hilke, K. Ghoreschi, F. Solimani; Berlin
- P164** **The hair canal serves as an EGFR-regulated antimicrobial gatekeeper**
L. Artner-Gent, R. Jin, D. Krauss, K. Strobl, J. Silva, T. Chontorotzea, J. Klufa, B. Hausmann, D. Berry, J. Strobl, G. Stary, J. Broesalem, P. Starkl, T. Bauer, M. Sibilia; Vienna
- P165** **Butyrophilin-like 2 (BTNL2) as a novel candidate player in alopecia areata pathogenesis and management**
J. Gherardini, A. Akhundlu, L. Padula, S. Younis, R. Kassir, J. Cheret, N. Strbo, R. Paus; Hamburg & Berlin, Miami, New York City
- P166** **Cellular and Molecular Immunoprofiling of Lupus Panniculitis: Elucidating the Roles of Cytotoxic T Cells, B Cells, and Complement Activation**
M. Ameri, R. Ziadlou, E. Contassot, N. Li, E. Maverakis, S. Traidl, M. Brueggen; Zuerich, Basel, Davis, Hannover

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- P167 Identification and comprehensive analysis of Desmoglein-3 specific B cells in patients and humanized transgenic mouse model of Pemphigus vulgaris**
S. Riaz, M. Hertl, C. Zimmer, C. Hudemann; Marburg
- P168 Bullous pemphigoid is associated with increased Th17.1 cells in peripheral blood and Th2 cytokines in skin**
E. Bodner, F. Hilke, F. Solimani, A. Deland, A. Mesas-Fernández, K. Meier, K. Ghoreschi; Berlin
- P169 Testing established MAP kinase inhibitors in a different approach of the human skin organ culture model for pemphigus vulgaris**
J. Wimmer-Gross, V. Hartmann, C. Hammers, H. Busch, K. Kalies, W. Raasch, J. Hundt; Luebeck, Regensburg
- P170 Strategies for PET Imaging in Acidic Tumor Microenvironments**
J. Brueck, D. Schauenberg, B. Klasen, V. Frommberger, M. Schreckenberger, M. Miederer; Mainz, Dresden
- P171 Exploratory study to evaluate changes in inflammatory pattern in patients with active, moderate-to-severe hidradenitis suppurativa after a six-week treatment with Adalimumab.**
T. Ickelsheimer, I. Rzehak, S. Diehl, C. Buerger, K. Scholich, N. Behr, A. Pinter, A. Koenig; Frankfurt
- P172 The role of neutrophils in the pathogenesis of chronic spontaneous urticaria and delayed pressure urticaria**
M. Britz, S. Shankar, M. Steinert, M. Sulk, L. Erpenbeck; Muenster

Infectious Diseases

- P173 Determining antimicrobial effects of wound dressings – from planktonic bacteria to 3D-biofilm models**
K. Reddersen, J. Tittelbach, C. Wiegand; Jena
- P174 Growth medium and temperature as critical parameters in Microplate-Laser-Nephelometry (MLN) measurements of Itraconazole inhibitory concentrations for dermatomycetes compared to EUCAST E.DEF9.3.2. or E.DEF11.0 condition**
L. Krause, A. Burmester, J. Tittelbach, C. Wiegand; Jena
- P175 NOD2-induced $\text{I}\kappa\text{B}\zeta$ mediates a protective host response against epicutaneous *Staphylococcus aureus* infection**
B. Fischer, A. Kolb, M. Klein, T. Kuebelbeck, E. Focaccia, D. Loeck, F. Bork, F. Engelmann, E. Mazza, A. Weber, M. Wittmann, V. Heissmeyer, B. Schitteck, K. Schulze-Osthoff, D. Kramer; Mainz, Tuebingen, Munich
- P176 The antimicrobial protein RNase 7 directly restricts herpes simplex virus infection of human keratinocytes**
K. Doehner, J. Zeitvogel, I. Klug, F. Rademacher, R. Glaeser, B. Sodeik, J. Harder, T. Werfel; Hannover, Kiel
- P177 The effect of *Lactobacillus plantarum* 8P-A3 on *Staphylococcus aureus* and a new approach for probiotic use**
C. Fernandez Bonfante, N. Lin, M. Petry, A. Yazdi, R. Luetticken, E. Heine, M. Burian; Aachen
- P178 COL23A1: A potential risk factor for eczema herpeticum**
S. Chopra, J. Zeitvogel, S. Traidl, E. Rodriguez, I. Harder, W. Lieb, S. Weidinger, T. Schulz, B. Sodeik, K. Doehner, L. Roesner, T. Werfel; Hannover, Kiel, Neuherberg

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- P179** **Effect of Staphylococcus aureus and Staphylococcus epidermidis on herpes simplex virus type 1 skin infection in the context of atopic dermatitis**
P. Baumann, R. Pospich, K. Doehner, J. Villalvazo Guerrero, J. Schmitt, I. Harder, S. Weidinger, B. Sodeik, T. Werfel, L. Roesner, S. Traidl; Hannover, Dresden, Kiel
- P180** **Borrelia burgdorferi spirochetes induce vascular dysfunction and neurogenic inflammation in Erythema migrans**
S. Weninger, S. Mueller, L. Unterluggauer, L. Kleissl, A. Redl, H. Stockinger, J. Strobl, G. Stary; Vienna
- P181** **HSV-1 infection modulates human mast cell phenotype and functionality**
Y. Hackler, M. Raftery, G. Schoenrich, M. Maurer, M. Munoz; Berlin
- P182** **Casein Kinase 1 α (CK1 α) Inhibition prevents IFN γ R1 degradation upon HSV-1 infections in human keratinocytes**
P. Lee, L. Freund, K. Schaekel; Heidelberg
- P183** **Longitudinal analysis of persistent anal HPV16 infection in men who have sex with men living with HIV**
L. Bopp, M. Schultz, S. Silling, S. Scheuring, K. Koehrer, A. Potthoff, A. Kreuter, A. Dilthey, U. Wieland; Cologne, Duesseldorf, Bochum, Oberhausen
- P184** **Tick feeding induces lymphatic emigration and pro-tolerogenic immune response in human epidermal Langerhans cells**
J. Strobl, L. Kleissl, M. Wijnveld, S. Weninger, A. Kopf, L. Gail, H. Stockinger, G. Stary; Vienna

Pharmacology

- P185** **In-vitro models using human keratinocytes for research topics in dermatopharmacology and drug allergy**
P. Deck, M. Mueller, A. Glaessner, M. Vogel, B. Sachs, G. Weindl; Bonn
- P186** **Beneficial effects of angiotensin-(1-7) on wound healing in the human ex vivo wound healing organ culture**
T. Stilla, C. Jacobi, T. Walther, J. Hundt; Luebeck, Berlin, Berlin
- P187** **Particle-mediated transport of dissolved active agents in the hair follicle**
A. Klein, L. Busch, J. Lademann, M. Meinke, C. Keck; Berlin, Marburg

Photobiology

- P188** **Influence of age, skin type and melanin distribution on UV induced skin damage**
M. Meinke, D. Zamudio Diaz, L. Busch, S. Lohan, J. Schleusener; Berlin
- P189** **Effects of Titanium Dioxide Nanoparticles in Combination with UV-Exposure on Human Skin with Barrier Defects**
P. Ficht, A. Staffeld, M. Katsanou, P. Moritz, M. Sellin, A. Jonitz-Heincke, W. Maus-Friedrichs, L. Wegewitz, S. Emmert, L. Boeckmann; Rostock, Clausthal-Zellerfeld
- P190** **In Vitro Characterization of Ectoine in Combination with UV-B Exposure on Human Keratinocytes**
P. Ficht, S. Draeger, M. Mittag, S. Woest, S. Emmert, L. Boeckmann, R. Panzer; Rostock

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- P191** **Far-UVC irradiation of the skin for safe eradication of resistant pathogens**
D. Zamudio Diaz, M. Meinke, J. Schleusener; Berlin
- P192** **Repetitive UVB exposure of keratinocytes to mimic the disease state of actinic keratosis: evaluation of phenotype switch from KC to AK**
H. Genc, E. Papakonstantinou, J. El-Bardawil, K. Rolfes, T. Nguyen, A. Rossi, T. Haarmann-Stemann; Duesseldorf
- P193** **Sensory re-innervation in human skin ex vivo influences extracellular matrix remodeling in photoaging via the interaction with mast cells**
M. Silva e Sousa, M. Tsutsumi, S. Koudounas, O. Egriboz, W. Funk, M. Kueckelhaus, K. Kajiya, I. Piccini, M. Bertolini; Muenster, Yokohoma, Muenchen
- P194** **The role of UV-induced cutaneous matrix metalloproteases and mi-RNAs in the pathogenesis of lupus erythematosus**
I. Ivanova, S. Arndt, S. Wallner, P. Unger, T. Maisch, S. Karrer, M. Berneburg, B. Kurz; Regensburg
- P195** **Exploring UVA1-induced metabolic effects in different in vitro, ex vivo and in vivo settings**
I. Ivanova, B. Kurz, T. Svilenska, T. Maisch, W. Gronwald, M. Lehmann, M. Berneburg, Y. Kamenisch; Regensburg, Munich
- P196** **Investigation of stress induced metabolic changes in the progeroid Cockayne syndrome (CS) revealed metabolic dysfunctions in CS cells**
T. Svilenska, C. Cimmaruta, C. Bogner, V. Laugel, W. Gronwald, M. Ricchetti, Y. Kamenisch, M. Berneburg; Regensburg, Paris, Strasbourg

Pruritus

- P197** **Transcriptomic landscape of chronic nodular prurigo**
K. Agelopoulos, L. Renkkhold, H. Wiegmann, C. Zeidler, S. Sandmann, S. Staender; Muenster
- P198** **Optimizing Chronic Pruritus Assessment: Leveraging Machine Learning and Targeted Questionnaires for Enhanced Precision**
H. Wiegmann, M. Fujarski, C. Zeidler, J. Varghese, S. Staender; Muenster
- P199** **Pruritus and neuroanatomy-related gene expression patterns compared across common inflammatory skin conditions**
P. Olah, A. Smola, S. Ricku, Z. Radai, . the FOR 2690 "PruSearch" Consortium, M. Schmelz, S. Staender, U. Raap, B. Homey; Duesseldorf, Mannheim, Muenster, Oldenburg

Skin Biology and Tissue Remodelling

- P200** **Medical gas plasma as a modulator of the Nrf2 signaling pathway in diabetic wound healing**
A. Schmidt, T. von Woedtke, S. Bekeschus; Greifswald, Rostock
- P201** **Reference Mapping of Electrical Impedance Spectroscopy in Healthy Individuals: An Atlas for Assessing Skin Barrier Function Across Clinically Relevant Body Areas**
H. Wahida, H. Belasri, N. Tarcha, L. Huygen, M. Grosber, J. Gutermuth, I. Kortekaas Krohn; Brussels
- P202** **Gas plasma-enhanced transdermal drug delivery is paralleled by partial skin lipid and protein expression and oxidation modifications**

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K. Wende, P. Marx, J. Striesow, P. Lopalco, T. von Woedtke, S. Bekeschus;
Greifswald, Rostock

- P203** **Modeling reactive species penetration in hydrogels and human skin**
A. Martinet, L. Miebach, S. Emmert, S. Bekeschus; Greifswald, Rostock
- P204** **Study of the effect of cigarette smoke on the skin and development of two techniques to analyze the protective properties of cream formulations**
S. Lohan, T. Tran, J. Schleusener, M. Meinke; Berlin
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