



**44th Annual Meeting
of the
Arbeitsgemeinschaft
Dermatologische Forschung**

in collaboration with the
Deutsche Dermatologische Gesellschaft (DDG)

March 9-11, 2017
Göttingen, Germany

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

Meeting Venue

**Zentrales Hörsaalgebäude (ZHG), Hörsaal ZHG 011
Platz der Göttinger Sieben 5, 37073 Göttingen, Germany**

**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:

Arrival by car

Arriving from the North:

A7 exit "Göttingen Nord", towards "Stadtmitte/Weende" (B388); stay on the B388 for approximately 4 kilometers; turn right into the "Hannoversche Straße"; stay on the "Hannoverschen Straße/Weender Landstraße" for 2 kilometers; cross the first large traffic light intersection (Kreuzbergring); turn left into the University parking lot.

Arriving from the South:

A7 exit "Göttingen Dransfeld", towards "Stadtmitte" on the "Kassler Landstraße" (B3); stay on the B3 for approximately 4 kilometers; pass under the train track bridge, then turn left on the "Berliner Straße"; at the second large traffic light intersection (gas station), turn left in the "Weender Landstraße"; turn right into the University parking lot.

Arrival by Train

Göttingen DB main station – walking distance to ZHG: 1000 meters:

Exit the train station through the main exit (towards "Zentrum"); pass all the parked bicycles and go towards the "Berliner Straße"; head left, past the post office, staying on the sidewalk of the "Berliner Straße", keep heading straight on through two large traffic light intersections, pass a fitness studio and gas station on your left, do not take the sidewalk of the "Nikolausberger Weg", but the paved path on the left parallel to it, this path leads to the University campus.

Next Airports:

Hannover: 120 km; Frankfurt Rhein/Main:250 km; Kassel/Calden:55 km

Site map see page 52 or <http://www.geodata.uni-goettingen.de/lageplan/>

Local Organisers

Rotraut Mößner, Undine Lippert, Cornelia Seitz, Timo Buhl, Michael Schön

Dermatologie, Venerologie und Allergologie, Universitätsmedizin Göttingen

Georg-August-Universität, Robert-Koch-Straße 40, 37075 Göttingen

Contact: Elke Richardt Tel: +49 (0)551 39 66 427

E-Mail: erichardt@med.uni-goettingen.de

General Organisation, Registration, Hotel, Travel, Networking Programme

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: € 60.00
Members: € 40.00 (charged as membership fee!)

Students are free of charge upon demonstration of appropriate documents.

Opening Hours of the Conference Bureau

Thursday, March 9, 2017	09:00-19:00
Friday, March 10, 2017	08:00-19:00
Saturday, March 11, 2017	08:30-14:00

Oral Presentations(OP) Duration: 7 min.
Discussion: 3 min.

Projection Talks will be presented by video projection only. Please bring your powerpoint presentation on a CD and/or 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 150 cm.
Mounting material will be provided.

The inner workings of the DFG:

13:45 - 14:15 (Hörsaal ZHG011 Together with members from the DFG-review board (Fachkollegium) Dr. Katja Hartig will provide insights in the possibilities of DFG funding and the decision process of applications.

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

MEETING ORGANISATION

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

Wednesday, March 08, 2017:

AG Dermato-Endokrinologie	09:00-18:00	ZHG 02
AG Experimentelle Dermatoonkologie	12:00-18:00	ZHG 05
AG Psoriasis	14:30-19:00	ZHG 04
AG Atopische Dermatitis + AG Hautbarriere	14:00-18:00	ZHG 03

Thursday, March 09, 2017:

AG Experimentelle Allergologie	09:00-12:45	ZHG 03
AG Autoimmunbulloese Dermatosen	09:00-13:00	ZHG 04
AG Psoriasis	09:30-13:00	ZHG 06
AG Dermatologische Genetik	09:30-13:00	ZHG 05
AG Versorgungsforschung und Epidemiologie	10:00-13:00	ZHG 02

The programme of the working group meetings, additional details (chair, contact person, etc.) as well as information about the meetings, especially of those which did not provide this information at the time of programme finalisation, can be found on the ADF Homepage (www.adf-online.de).

We thank for the support of the ADF working group awards:

Laboratoire Vichy
for the ADE Research Award 2017
(ADE-Forschungspreis 2017)
Prize: 1,500 €

About the 44. Annual Meeting of the Arbeitsgemeinschaft Dermatologische Forschung

Dear Colleagues and Friends,

We would like to warmly welcome you to the 44th Annual Meeting of the Arbeitsgemeinschaft Dermatologische Forschung. This year, we have received 242 abstracts out of which we have chosen 36 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*, as well as of the Awards for Dermato Oncology and the ADF/ECARF Award will present their work. We are grateful to all foundations and supporters to enable the ADF to give these awards.

The posters should be presented during the entire meeting to allow for vivid discussions during the ADF. 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 six best posters nominated by the poster committees will receive a poster award at the end of the meeting. In addition, to further support young researchers, six additional travel grants will be awarded facilitating the young scientists' participation to the upcoming ADF Meeting 2018.

We are looking forward to this year's workshop, which is devoted to „*How cells communicate*“. Additional highlights of this year's annual meeting are the *Guenter Goerz Memorial Lecture* and the *Guest Lecture*, which will be given by Karin Scharffetter-Kochanek (Ulm) and Jean-Christophe Marine (Leuven), 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 Göttingen.

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

Ralf Ludwig
President

Karin Loser
Secretary

Kilian Eyerich
Treasurer

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

Experts for abstract review

T. Bald, Bonn	M. Kasperkiewicz, Lübeck	M. Reiger, Augsburg
I. Bellinghausen, Mainz	A. Kerstan, Würzburg	B. Schilling, Essen
T. Buhl, Göttingen	D. Kiritsi, FreiburgJ.	Y. Skabytska, München
P. A. Gerber, Düsseldorf	M. Meissner, Frankfurt/M.	C. Tripp, Innsbruck
M. Glatz, Zurich	S. Meller, Düsseldorf	S. Willenborg, Cologne
J. Gutermuth, Brussels	C. Möbs, Marburg	F. Woelbing, Munich
C. Hillgruber, Münster	C. Posch, Wien	A. Zink, Munich
Y. Kamenisch, Regensburg	V. Raker, Mainz	

Poster walks and Poster committee

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

Adaptive Immunity (G. Stary)	Infectious Diseases (M. Glatz)
Allergy (S. Martin)	Innate Immunity (P. Eßer)
Cellular Biology (M. Gatzka)	Mast cells and Basophils (S. Kaesler)
Clinical Research (S. Philipp)	Psoriasis (K. Schäkel)
Dermato-Endocrinology (E. Makrantonaki)	Tumor Biology (K. Weishaupt)
Epidemiology and Genetics (C. Apfelbacher)	Tumor Immunology (E. Brenner)

We thank *AbbVie Deutschland GmbH & Co KG, Celgene GmbH, Janssen-Cilag GmbH, LA ROCHE-POSAY* and *UCB Pharma GmbH* for their kind support

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

All Poster walkers are also members of the Poster committee, which is coordinated by Stefan Martin and Knut Schäkel.

Thursday, March 9, 2017

12:30-14:00 Poster mounting and registration

13:00-14:00 Lunch

14:00-14:10 Welcome Address
M. Schön, R. Ludwig

14:10-15:10 Oral Presentations I
Chairs: E. Witte-Händel, M. Schön

OP01/01 14:10 (P136) Myeloid cell-specific STAT3 signaling regulates bleomycin-induced skin fibrosis via inhibition of an autocrine TGFbeta loop
 N. Do, S. Willenborg, X. Ding, S. Eming; Cologne

OP01/02 14:20 (P003) Allergic contact dermatitis is controlled by microbiota via a TLR-2 dependent mechanism
 V. Raker, N. Lorenz, J. Haub, M. Schmidgen, T. Schmidt, C. Reinhardt, K. Steinbrink; Mainz

OP01/03 14:30 (P219) c-MET dependent neutrophil responses limit anti-tumoral T cell expansion and immunotherapy of cancer
 N. Glodde, T. Bald, D. van den Boorn-Konijnenberg, S. Szczepanski, M. Brandes, S. Eickhoff, N. Shridhar, D. Hinze, M. Rogava, T. van der Sluis, J. Ruotsalainen, E. Gaffal, J. Landsberg, K. Ludwig, M. Riek-Burchardt, A. Mueller, V. Janzen, W. Kastenmueller, M. Mazzone, T. Tueting, M. Hoelzel; Bonn, Magdeburg, Braunschweig, Leuven

OP01/04 14:40 (P065) IL-17E favors neutrophil recruitment in psoriasis by activating M2 macrophages to produce IL-8 in a p38 dependent manner.
 L. Senra, R. Stalder, W. Boehncke, N. Brembilla; Geneva

OP01/05 14:50 (P191) Emerging targets in resistance to MAPK inhibition: Tackling the RSK in malignant melanoma
 C. Kosnopfel, T. Sinnberg, B. Sauer, H. Niessner, A. Schmitt, A. Forschner, S. Hailfinger, C. Garbe, B. Schitteck; Tuebingen

OP01/06 15:00 (P179) Photodynamic therapy leads to a decrease of peripheral IL-17A+-T-cells in oral lichen planus patients
 T. Schmidt, R. Cosgarea, R. Stein, R. Pollmann, J. Sharif, N. Arweiler, M. Hertl; Marburg

15:10-15:20 ADF Award I
 (Short presentation of awardee)
Paul Langerhans Award*
 M. Hertl, M. Metz

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

Thursday, March 9, 2017

15:20-15:40 Quo Vadis Lecture I
K. Ghoreschi, Tuebingen: **17 & 4**
Introduction: A. Yazdi

15:40-16:10 Coffee break

16:10-18:10 WORKSHOP
How cells communicate

Organisation/
Moderation:

K. Loser, M. Schön

Stefan W. Hell, Göttingen

Optical microscopy: the resolution revolution

Joachim P. Spatz, Heidelberg

Mechanotransduction regulates organization in collectively migrating cells

Alexander Flügel, Göttingen

T-cell trafficking and communication in the course of CNS autoimmunity

18:10-21:00 POSTER SESSION AND NETWORKING
With snacks and drinks

Friday, March 10, 2017

08:30-09:30

Oral Presentations II

Chairs: K. Steinbrink, C. Gebhardt

**OP02/01 08:30
(P172)**

Towards vaccine development: from mice to humans - cross-reactivity of immunogenic antigens by human T cells identified in experimental leishmaniasis

A. Schermann, B. Lorenz, S. Tenzer, E. von Stebut; Mainz

**OP02/02 08:40
(P094)**

The adaptive response of MSCs on neutrophil activation depends on TRL-4 mediated sensing at the wound site

S. Munir, K. Singh, D. Jiang, A. Basu, W. Meinhard, K. Scharffetter-Kochanek; Ulm

**OP02/03 08:50
(P001)**

Allergy-inducing chromium compounds trigger potent innate immune stimulation via ROS-dependent inflammasome activation

C. Adam, J. Wohlfarth, M. Haussmann, H. Sennefelder, A. Rodin, M. Maler, S. Martin, M. Goebeler, M. Schmidt; Wuerzburg, Freiburg

**OP02/04 09:00
(P209)**

Insulin resistance as a pathomechanism in malignant melanoma?

N. Frickel, F. Touissant, S. Diehl, V. Lang, M. Meissner, R. Kaufmann, C. Buerger; Frankfurt am Main

**OP02/05 09:10
(P215)**

Inhibition of FGF receptors for effective treatment of BRAF- and BRAF/MEK-inhibitor-resistant melanoma cells

S. Graf, A. Strieder, S. Meierjohann, M. Heppt, C. Kammerbauer, C. Berking; Munich, Wuerzburg

**OP02/06 09:20
(P021)**

Interaction between the microbiome and the transcriptome in lesional and non-lesional skin in atopic dermatitis patients

M. Reiger, C. Altunbulakli, A. Neumann, N. Garzorz-Stark, F. Castro-Giner, K. Eyerich, C. Akdis, C. Traidl-Hoffmann; Augsburg, Davos, Munich, Zurich

09:30-10:05

POSTER SESSION (all even poster numbers)

10:05-10:40

POSTER SESSION (all odd poster numbers)

10:45-11:25

GUENTER GOERZ MEMORIAL LECTURE

K. Scharffetter-Kochanek, Ulm

Wound Healing and Tissue Regeneration

Introduction: K. Loser, Muenster

Friday, March 10, 2017

11:25-12:25

Oral Presentations III

Chairs: R. Eming, M. Maurer

**OP03/01 11:25
(P193)**

Prognostic significance of PDCD1 (PD-1), CD274 (PD-L1) and PDCD1LG2 (PD-L2) promoter methylation for melanoma patients

D. Goltz, H. Gevensleben, F. Bootz, G. Kristiansen, D. Dietrich, J. Landsberg; Essen, Bonn, Cologne

**OP03/02 11:35
(P167)**

Deficiency of IL-22 binding protein strengthens psoriatic skin inflammation

K. Wolk, J. Martin, G. Bériou, E. Witte-Haendel, A. Abidi, G. Kokolakis, C. Louvet, L. Drujont, L. Dumoutier, J. Renaud, R. Josien, R. Sabat; Berlin, Nantes, Brussels

**OP03/03 11:45
(P053)**

A DNA repair-independent pathomechanism in Cockayne syndrome

M. Alupej, P. Esser, K. Scharffetter-Kochanek, S. Iben; Ulm, Freiburg

**OP03/04 11:55
(P159)**

Towards the analysis of the paired TCR alpha- and beta-chains of single alopecia areata-specific human CD8+ T-cells

M. Bertolini, S. Altendorf, Y. Uchida, D. Below, Q. Zhou, A. Rossi, K. Dornmair, R. Paus; Muenster, Kagoshima, Munich, Rome, Manchester

**OP03/05 12:05
(P168)**

Intimate contact between innate lymphoid cells and T cells in inflamed human skin

C. Brueggen, W. Bauer, B. Reininger, E. Clim, C. Captarencu, P. Brunner, G. Steiner, B. Meier, L. French, G. Stingl; Vienna, Zurich

**OP03/06 12:15
(P023)**

The Th2 chemokine CCL17 (TARC) production in human M2 macrophages is up-regulated by stimulating the histamine H2 receptor

S. Mommert, K. Gregor, R. Gutzmer, T. Werfel; Hannover

12:25-13:25

Poster Walks

We thank *AbbVie Deutschland GmbH & Co KG, Celgene GmbH, Janssen-Cilag GmbH, LA ROCHE-POSAY* and *UCB Pharma GmbH* for their kind support.

Adaptive Immunity (G. Stary)

Allergy (S. Martin)

Cellular Biology (M. Gatzka)

Clinical Research (S. Philipp)

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Epidemiology and Genetics (C. Apfelbacher)

Infectious Diseases (M. Glatz)

Innate Immunity (P. Eßer)

Mast cells and Basophils (S. Kaesler)

Psoriasis (K. Schäkel)

Tumor Biology (K. Weishaupt)

Tumor Immunology (E. Brenner)

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

Friday, March 10, 2017

13:25-14:25 Lunchbreak

13:45-14:15 The inner workings of the DFG
(K. Hartig and members from the DFG-review board)
Hall ZHG 011)

14:25-15:25 Oral Presentations IV
Chairs: E. Gaffal, M. Hertl

OP04/01 14:25 (P069) A novel preclinical model of organotypic slice cultures for pharmacodynamic profiling of human melanomas
T. Sinnberg, H. Niessner, F. Hilke, C. Schroeder, T. Eigentler, M. Levesque, C. Garbe; Tuebingen

OP04/02 14:35 (P062) IL-17A and IL-36 γ act in a synergistic manner and induce differentiation defects in 3D skin models
C. Pfaff, Y. Marquardt, K. Czaja, D. Kluwig, B. Luescher, J. Baron; Aachen

OP04/03 14:45 (P010) Epidermal barrier dysfunction in FlgHrr-deficient mice promotes allergen sensitization and aggravates experimental asthma in a mouse model of MC903-induced atopic dermatitis
K. Reier, B. Brauns, V. Lorenz, M. Mempel, M. Schoen, A. Braun; Goettingen, Rostock, Goettingen and Osnabrueck

OP04/04 14:55 (P091) A novel mouse model for anti-laminin 332 mucous membrane pemphigoid
E. Heppe, S. Tofern, F. Schulze, A. Ishiko, D. Zillikens, S. Goletz, E. Schmidt; Luebeck, Tokyo

OP04/05 15:05 (P200) RNA-Seq analysis of benign melanocytic nevi and primary melanomas
M. Kunz, M. Dannemann, G. Dose, J. Kelso, S. Hoffmann, J. Landsberg, T. Tuetting, P. Zigrino, C. Mauch, T. Kottek, J. Utikal, H. Schulze, M. Ziemer, J. Simon, A. Bosserhoff, M. Scharl; Leipzig, Bonn, Magdeburg, Cologne, Mannheim, Muenster, Erlangen, Wuerzburg

OP04/06 15:15 (P142) Psoriatic inflammation is initiated by DAMP/DNA complexes on plasmacytoid dendritic cells via RAGE
K. Tarnanidis, M. Reith, A. Enk, V. Umansky, J. Utikal, C. Gebhardt; Heidelberg, Mannheim

15:25-15:45 Quo Vadis Lecture II
B. Grimbacher, Freiburg
Cluedo – from genetic suspects to clinical scenes. Satan smote Job with a Mendelian trait of immunodeficiency: The role of Th17 cells in the skin's host defence
Introduction: K. Eyerich, Munich

Friday, March 10, 2017

15:45-16:00

ADF Awards II

(Short presentations of awardee)

Egon Macher Award*

D. Zillikens, K. Loser

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

16:00-16:30

Coffee Break + Best of ADF Winter School 2017

16:30-17:30

GUEST LECTURE

Jean-Christophe Marine, Leuven (Belge)

***From new insights into melanoma biology
to new avenues for therapy***

Introduction/discussion: T. Tueting

17:30-18:00

ADF Awards III

ADF Dermato Oncology Award*

T. Tueting

ADF/ECARF Award for European Allergy Research**

T. Zuberbier

Thanks from the ADF to the

**Erwin & Irmgard Egner-Stiftung*

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

18:00-19:00

ADF General Assembly

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

19:30-?

Skin Research Forum

Alte Mensa

Wilhelmsplatz 3, 37073 Göttingen

Saturday, March 11, 2017

09:00-10:00

Oral presentations V

Chairs: A. Tüttenberg, M. Goebeler

**OP05/01 09:00
(P206)**

Presence and influence of Neutrophil extracellular traps in malignant melanoma

F. Schedel, K. Pappelbaum, S. Hain, C. Sunderkoetter, D. Metze, K. Loser, T. Luger, C. Weishaupt; Muenster

**OP05/02 09:10
(P127)**

Dynamics of Neutrophil extracellular trap (NET) formation

E. Neubert, D. Meyer, M. Schoen, S. Kruss, L. Erpenbeck; Goettingen

**OP05/03 09:20
(P076)**

The combination of BRAFi and MEKi: a treatment option for BRAF WT patients?

H. Niessner, I. Wanke, T. Sinnberg, M. Mai, C. Praetorius, C. Garbe, D. Kulms, S. Beissert, D. Westphal, F. Meier; Tuebingen, Dresden

**OP05/04 09:30
(P107)**

Downregulation of keratin 79 upregulates LRIG1 and induces sebaceous gland hyperplasia

M. Dahlhoff, C. Hoesl, M. Schneider; Munich

**OP05/05 09:40
(P133)**

Role of histone H2A deubiquitinase Mysm1 in immune cell development, T helper cell differentiation and autoimmunity.

I. Krikki, M. Wlaschek, K. Scharffetter-Kochanek, M. Gatzka; Ulm

**OP05/06 09:50
(P060)**

Skin and neutrophil derived proteases regulate the activity of IL-36 family members

T. Macleod, J. Ainscough, A. Alase, M. Stacey, M. Wittmann; Leeds

10:00-10:20

Quo Vadis Lecture III

M. Collin, Lund

Candy Crush - the impact of carbohydrates on antibody function in health and disease

Introduction: R. Ludwig

10:20-11:05

POSTER SESSION (all even poster numbers)

11:05-11:50

POSTER SESSION (all odd poster numbers)

Saturday, March 11, 2017

11:50-12:50

Oral Presentations VI

Chairs: U. Lippert, L. French

**OP06/01 11:50
(P145)**

Expression of the aryl hydrocarbon receptor in cutaneous langerin-positive dendritic cells is crucial for disease development in a mouse model of systemic lupus erythematosus

C. Baumann, E. Hesse, C. Esser, T. Haarmann-Stemmann, T. Luger, K. Loser; Muenster, Duesseldorf

**OP06/02 12:00
(P035)**

Casein kinase II regulates the intracellular trafficking of the antigen uptake receptor DEC205 and is essential for effective antigen presentation by dendritic cells

R. Koch, C. Vilches, S. Ring, T. Bopp, B. Gerlitzki, A. Enk, K. Mahnke; Heidelberg, Mainz

**OP06/03 12:10
(P161)**

Characterization of multiple B cell subsets in peripheral blood and skin biopsies of psoriasis patients identifies a correlation of plasma and regulatory B cells and disease severity

M. Kuepper, J. Thomas, L. Krause, N. Mueller, T. Biedermann, F. Theis, C. Schmidt-Weber, K. Eyerich, S. Eyerich, N. Garzorz-Stark; Munich, Neuherberg

**OP06/04 12:20
(P113)**

Mutations in three genes encoding proteins involved in hair shaft formation cause uncombable hair syndrome

F. Basmanav, L. Cau, A. Tafazzoli, M. MÃ©chin, S. Wolf, M. Romano, F. Valentin, H. Wiegmann, A. Hucheng, R. Kandil, N. Garcia Bartels, A. Kilic, S. George, D. Ralser, S. Bergner, D. Ferguson, A. Oprisoreanu, M. Wehner, H. Thiele, J. Altmueller, P. Nuernberg, D. Swan, D. Houniet, A. Buechner, L. Weibel, N. Wagner, R. Grimalt, A. Bygum, G. Serre, U. Blume-Peytavi, E. Sprecher, S. Schoch, V. Oji, H. Hamm, P. Farrant, M. Simon, R. Betz; Bonn, Toulouse, Muenster, Berlin, Balikesir, Brighton, Oxford, Cologne, Barcelona, Zurich, Darmstadt, Odense, Wuerzburg, Tel Aviv

**OP06/05 12:30
(P081)**

Insights into the Mechanism of Action of Insulin-like Growth Factor-1 and Insulin in Human T Cells in vitro

Y. Mirdamadi, A. Thielitz, A. Goihl, K. Guttek, C. Zouboulis, D. Reinhold, U. Bommhardt, S. Quist, H. Gollnick; Magdeburg, Dessau

**OP06/06 12:40
(P033)**

Critical role of mast cells in epidermal barrier homeostasis

J. Fluhr, C. Zimmermann, M. Maurer; Berlin

12:50-13:20

POSTER AWARDS AND TRAVEL GRANTS*

Chairs: C. Traidl-Hoffmann, K. Schäkel

**The ADF thanks Almirall Hermal GmbH, Dr. August Wolff GmbH & Co. KG Arzneimittel, BioLegend GmbH, head&shoulders and Lilly Deutschland GmbH for their support.*

13:20

Acknowledgements, Farewell, End of Meeting

R. Ludwig

POSTER SESSIONS

All posters:	Thursday,	March 09,	18:10-21:00 Uhr
Even poster numbers:	Friday,	March 10,	09:30-10:05 Uhr
	Saturday,	March 11,	10:20-11:05 Uhr
Odd poster numbers:	Friday,	March 10,	10:05-10:40 Uhr
	Saturday,	March 11,	11:05-11:50 Uhr

Allergy

- P001** **Allergy-inducing chromium compounds trigger potent innate immune stimulation via ROS-dependent inflammasome activation**
OP02/03 C. Adam, J. Wohlfarth, M. Hausmann, H. Sennefelder, A. Rodin, M. Maler, S. Martin, M. Goebeler, M. Schmidt; Wuerzburg, Freiburg
- P002** **Potent NLRP3 inflammasome activation by the allergy-inducing HIV reverse-transcriptase inhibitor abacavir**
A. Toksoy, H. Sennefelder, C. Adam, S. Hofmann, A. Trautmann, M. Goebeler, M. Schmidt; Wuerzburg
- P003** **Allergic contact dermatitis is controlled by microbiota via a TLR-2 dependent mechanism**
OP01/02 V. Raker, N. Lorenz, J. Haub, M. Schmidgen, T. Schmidt, C. Reinhardt, K. Steinbrink; Mainz
- P004** **Diabetes mellitus type I protects from the development of an allergic contact dermatitis in mice.**
T. Schmidt, N. Lorenz, V. Raker, K. Steinbrink; Mainz
- P005** **In chronic spontaneous urticaria, high numbers of dermal endothelial cells, but not mast cells, are linked to recurrent angioedema**
D. Terhorst, I. Koti, K. Krause, M. Metz, M. Maurer; Berlin
- P006** **IgE directed against Staph. aureus superantigens are more frequent in chronic spontaneous urticaria patients**
S. Altrichter, T. Hawro, M. Liedtke, C. Bachert, P. Skov, M. Maurer; Berlin, Ghent, Copenhagen
- P007** **Metabolic activation of prohaptens in a modified KeratinoSens assay using rat liver S9 (cytosolic) fraction spiked with cutaneous cytochrome P450s**
L. Huth, S. Huth, A. Karlberg, J. Baron, H. Merk; Aachen, Gothenburg
- P008** **Tissue factor inhibition and protease-activated receptor 2 mutation protect from contact hypersensitivity**
M. Schmidgen, T. Schmidt, N. Lorenz, J. Haub, V. Raker, S. Reyda, G. Carlino, W. Ruf, K. Steinbrink; Mainz
- P009** **Effects of water-in-oil ointments on skin barrier function and allergen penetration in an IL-31 treated 3D atopic dermatitis skin model**
P. Amann, Y. Marquardt, R. Heise, B. Luescher, J. Baron; Aachen

- P010**
OP04/03 **Epidermal barrier dysfunction in FlgHrnr-deficient mice promotes allergen sensitization and aggravates experimental asthma in a mouse model of MC903-induced atopic dermatitis**
K. Reier, B. Brauns, V. Lorenz, M. Mempel, M. Schoen, A. Braun;
Goettingen, Rostock, Goettingen and Osnabrueck
- P011** **From exposure to reaction: Panel study on the relationship between pollen exposure and the local and systemic expression of inflammatory parameters**
M. Goekkaya, S. Bezold, D. Rauer, F. Haering, I. Beck, A. Chaker, M. Thomas, G. Hammel, A. Neumann, A. Damialis, S. Gilles-Stein, C. Traidl-Hoffmann;
Augsburg, Davos, Munich
- P012** **IVDK data 2008 -2013: Analysis of questionnaire and patch test results with regard to p-Phenylenediamine (PPD) sensitization and cross reactions**
S. Schubert, H. Lessmann, J. Geier, A. Schnuch; Goettingen
- P013** **Age at disease onset has a major impact on clinical characteristics and course of mastocytosis**
A. Rabenhorst, W. Sperr, J. Oude Elberink, M. Lange, K. Gleixner, V. Brazzelli, E. Fontana, B. Vos, A. GÅ³rška, A. Reiter, J. Schwaab, R. Zanotti, P. Bonadonna, M. Triggiani, J. Gotlib, M. Doubek, T. Jakob, A. Kilbertus, V. Sabato, A. Zink, A. Bretterklie;
Cologne, Vienna, Groningen, Gdansk, Pavia, Padua, Mannheim, Verona, Salerno, Stanford, CA, Brno, Freiburg, Linz, Antwerp, Munich, Graz, Leipzig, Salzburg, Luebeck
- P014** **Dopamine agonists block mast cell degranulation**
O. Schmetzer, P. Valentin, M. Maurer; Berlin
- P015** **IL-24 is a common and specific autoantigen of IgE in chronic spontaneous urticaria**
O. Schmetzer, D. Freier, E. Lakin, F. Topal, N. Shamshirsaz, P. Valentin, M. Maurer; Berlin
- P016** **The gasotransmitters nitric oxide and hydrogen sulphide block the degranulation of mast cells**
D. Freier, O. Schmetzer, E. Lakin, F. Topal, N. Shamshirsaz, P. Valentin, M. Maurer; Berlin
- P017** **Detection of proteins regulating mast cell adhesion and proliferation**
F. Topal, O. Schmetzer, D. Freier, E. Lakin, N. Shamshirsaz, P. Valentin, M. Maurer; Berlin
- P018** **Integrin alpha E (CD103) Is Centrally Involved in the Regulation of Dermal Innate Lymphoid Cells Type 2 in Contact Hypersensitivity Reactions**
K. Honold, M. Saleh, M. Schoen, T. Buhl; Goettingen
- P019** **Glycocalyx shedding in mastocytosis correlates with disease severity**
A. Rabenhorst, T. Annecke, H. Drinhaus, D. Schroeder, M. Gehring, S. Leja, J. Schwaab, A. Reiter, U. Raap, K. Hartmann; Cologne, Hannover, Mannheim, Luebeck
- P020** **Nod-like receptors and interleukin-1 cytokines in human basophils and eosinophils**
A. Schloegl, K. Meier, K. Welsch, J. Brueck, K. Ghoreschi, A. Yazdi; Tuebingen
- P021**
OP02/06 **Interaction between the microbiome and the transcriptome in lesional and non-lesional skin in atopic dermatitis patients**
M. Reiger, C. Altunbulakli, A. Neumann, N. Garzorz-Stark, F. Castro-Giner, K. Eyerich, C. Akdis, C. Traidl-Hoffmann; Augsburg, Davos, Munich, Zurich

- P022** **Characterization of B cell responses in birch pollen-allergic patients treated by allergen-specific immunotherapy**
C. Baum, C. Moebs, W. Pfuetzner; Marburg
- P023**
OP03/06 **The Th2 chemokine CCL17 (TARC) production in human M2 macrophages is up-regulated by stimulating the histamine H2 receptor**
S. Mommert, K. Gregor, R. Gutzmer, T. Werfel; Hannover
- P024** **Human Th9 cells express functional histamine receptors**
K. Schaper-Gerhardt, M. Wohlert, S. Mommert, H. Stark, T. Werfel, R. Gutzmer; Hannover, Duesseldorf
- P025** **Immune mechanisms induced by conventional allergen-specific immunotherapy and a newly developed hypoallergenic peptide-carrier fusion vaccine**
M. Rauber, C. Moebs, M. Schulze-Dasbeck, M. Focke-Tejkl, R. Henning, R. Valenta, W. Pfuetzner; Marburg, Vienna

Cellular biology

- P026** **Pharmacological targeting of glucose-6-phosphate dehydrogenase in human erythrocytes by Bay 11-7082, parthenolide and dimethyl fumarate**
M. Ghashghaieinia, D. Giustarini, P. Koralkova, M. Koeberle, K. Alzoubi, R. Bissinger, Z. Hosseinzadeh, P. Dreischer, I. Bernhardt, F. Lang, M. Toulany, T. Wieder, R. Mojzikova, R. Rossi, U. Mrowietz; Kiel, Siena, Olomouc, Munich, Tuebingen, Saarbruecken
- P027** **Biocompatibility and antimicrobial effects of a pulsed cold atmospheric plasma jet**
C. Wiegand, S. Fink, K. Horn, R. Moser, O. Beier, A. Pfuch, A. Schimanski, B. Gruenler, U. Hipler; Jena
- P028** **Free fatty acids boost the inflammatory response of immune cells within the skin**
D. Herbert, Y. Popkova, H. Gedicke, T. Janik, J. Simon, A. Saalbach; Leipzig
- P029** **Identification of the SPINK14 Gene reveals RNA trans-Splicing in Normal Keratinocytes**
Z. Wu, R. Siebert, J. Schroeder, U. Meyer-Hoffert; Kiel, Hangzhou, Ulm
- P030** **Necroptosis induces ADAM sheddase activity**
H. Roevekamp, A. Sommer, C. Saggau, D. Adam, K. Reiss; Kiel
- P031** **Osteopontin as a potential regulator of dermal ABCB5+ MSC maintenance**
B. Herold, J. de Vries, B. Meier, S. Vander Beken, D. Jiang, N. Frank, A. Kluth, C. Ganss, M. Frank, K. Scharffetter-Kochanek; Ulm, Heidelberg, Boston, MA
- P032** **Evaluation of general risk and wound closure after cold plasma treatment in a dermal full-thickness mouse model**
A. Schmidt, S. Bekeschus, J. Stenzel, T. Lindner, S. Polei, B. Vollmar, T. von Woedtke, S. Hasse; Greifswald, Rostock
- P033**
OP06/06 **Critical role of mast cells in epidermal barrier homeostasis**
J. Fluhr, C. Zimmermann, M. Maurer; Berlin

- P034** **Functional Defects of Dermal Innate Lymphoid Cells Type 2 (dILC2) In RAG1-/- Mice Determined by Transcriptomic Analyses**
M. Saleh, K. Honold, M. Schoen, T. Buhl; Goettingen
- P035**
OP06/02 **Casein kinase II regulates the intracellular trafficking of the antigen uptake receptor DEC205 and is essential for effective antigen presentation by dendritic cells**
R. Koch, C. Vilches, S. Ring, T. Bopp, B. Gerlitzki, A. Enk, K. Mahnke; Heidelberg, Mainz
- P036** **Cytoskeletal reorganization during NET formation**
A. Kwaczala-Tessmann, S. Senger-Sander, E. Neubert, D. Meyer, M. Schoen, S. Kruss, L. Erpenbeck; Goettingen
- P037** **Expression of the G protein-coupled receptors GPR109A (HCA2) and GPR43 is downregulated in psoriatic skin**
A. Krejner, U. Mrowietz, A. Bruhs, T. Schwarz, A. Schwarz; Warsaw, Kiel
- P038** **Water-filtered near-infrared a potential new treatment regime for keloids?**
N. Zoeller, A. Koenig, A. Jeute, R. Kaufmann, E. Valesky, S. Kippenberger; Frankfurt am Main
- P039** **Water-filtered near-infrared influences wound healing in vitro**
A. Jeute, A. Koenig, G. Reichenbach, R. Kaufmann, E. Valesky, S. Kippenberger, N. Zoeller; Frankfurt am Main
- P040** **Function of H2A deubiquitinase Mym1/2A-DUB in skin pigmentation and melanoma growth**
C. Kroeger, C. Bruno, I. Krikki, A. Hainzl, M. Wlaschek, M. Gatzka; Ulm
- P041** **Expression of fzd7 in epidermis is dysregulated with age and may have an impact on stem cell homeostasis**
E. Makrantonaki, K. Singh, D. Jiang, A. Basu, M. Pallab, M. Wlaschek, K. Scharffetter-Kochanek; Ulm
- P042** **Identification of essential and unique functions of mTOR signaling in skin development and homeostasis**
X. Ding, M. Rueegg, M. Hall, M. Leptin, L. Partridge, S. Eming; Cologne, Basel
- P043** **Alpha-ketoglutarate Curbs Differentiation and Induces Cell Death in Mesenchymal Stromal Precursors with Mitochondrial Dysfunction**
K. Singh, L. Krug, A. Basu, P. Meyer, N. Treiber, S. Vander Beken, M. Wlaschek, S. Kochanek, W. Bloch, H. Geiger, P. Maity, K. Scharffetter-Kochanek; Ulm, Cologne
- P044** **E-Cadherin is dispensable for epidermal localization of Langerhans cells**
B. Dorn, B. Raghavan, S. Kunz, S. Martin, T. Jakob; Giessen, Freiburg
- P045** **Epigenetic memory during cytokine-induced senescence in human cancer cells**
T. Wieder, M. Rentschler, L. MartÄ-nez, J. Pahl, H. Braumueller, O. Bischof, M. Roecken; Tuebingen, Paris
- P046** **Staphylococcus epidermidis induces the host molecule A20 (TNFAIP3) to dampen induction of defense mediators in human keratinocytes**
M. Simanski, A. Erkens, F. Rademacher, J. Harder; Kiel
- P047** **The impact of mitochondrial deficiency on dermal fibroblast function**
J. Knuever, R. Wiesner, S. Eming; Cologne

- P048** **Antimycotic activity of *Isatis tinctoria* in an infected 3D-model**
 J. Hesse, C. Wiegand, M. Gruen, N. Fankhaenel, R. Schleicher, M. Keiner, U. Hipler;
 Jena, Jena, Mihla
- P049** **Antimycotic activity of *Isatis tinctoria* in an infected 2D-model**
 J. Hesse, C. Wiegand, M. Gruen, N. Fankhaenel, R. Schleicher, M. Keiner, U. Hipler;
 Jena, Jena, Mihla
- P050** **Topical rapamycin ameliorates imiquimod induced psoriasis-like skin inflammation in mice**
 N. Shirsath, V. Lang, S. Diehl, A. Weigert, Y. Han, R. Kaufmann, P. Wolf, C. Buerger;
 Frankfurt am Main, Graz
- P051** **Inflammasome-independent IL-1beta processing by *Staphylococcus epidermidis***
 F. Rademacher, B. Hesse, N. Vent, M. Simanski, J. Bartels, R. Glaeser, J. Harder; Kiel
- P052** **Loss of proteostasis as a pathomechanism in trichothiodystrophy (TTD)**
 A. Iyer, M. Alupej, A. Schelling, K. Scharffetter-Kochanek, S. Iben; Ulm
- P053** **A DNA repair-independent pathomechanism in Cockayne syndrome**
OP03/03 M. Alupej, P. Esser, K. Scharffetter-Kochanek, S. Iben; Ulm, Freiburg
- P054** **PPAR-alpha agonists suppress lymphangiogenesis**
 I. Hrgovic, V. Koenig, J. Kleemann, M. Doll, R. Kaufmann, S. Kippenberger, M. Meissner;
 Frankfurt am Main
- P055** **Mitochondrial metabolic modulation: potential influential factor in autoimmune blistering skin diseases**
 P. Schilf, M. Hirose, S. Ibrahim; Luebeck
- P056** **Arsenic trioxide decreases lymphangiogenesis by inducing apoptosis and inhibition of important lymphatic endothelial cell receptors**
 I. Hrgovic, E. Zoeller, J. Kleemann, M. Doll, K. Loser, R. Kaufmann, S. Kippenberger,
 M. Meissner; Frankfurt am Main, Muenster
- P057** **Identification of keratin K23 as a component of the cytoskeleton in cornifying epidermal keratinocytes**
 F. Ehrlich, H. Fischer, L. Langbein, S. Praetzel-Wunder, E. Tschachler, L. Eckhart;
 Vienna, Heidelberg
- P058** **Tyrosinase-Cre-mediated deletion of the autophagy gene *Atg7* leads to aberrant accumulation of p62/sequestosome 1 in melanocytes of the skin and in neurons of the brain**
 S. Sukseree, F. Gruber, I. Nagelreiter, E. Tschachler, L. Eckhart; Vienna
- P059** **Inflammation-dependent activation of mTOR signaling induces the anti-microbial peptide koebnerisin (S100A15) to control epidermal maturation in psoriasis**
 C. Buerger, S. Richert, V. Lang, S. Diehl, E. Hattinger, R. Kaufmann, R. Wolf;
 Frankfurt am Main, Munich, Marburg

Chemokines/Cytokines

- P060**
OP05/06 **Skin and neutrophil derived proteases regulate the activity of IL-36 family members**
T. Macleod, J. Ainscough, A. Alase, M. Stacey, M. Wittmann; Leeds
- P061** **Analysis of soluble wound material obtained from acute and chronic wounds**
S. Bekeschus, J. Moritz, K. Masur; Greifswald
- P062**
OP04/02 **IL-17A and IL-36 γ act in a synergistic manner and induce differentiation defects in 3D skin models**
C. Pfaff, Y. Marquardt, K. Czaja, D. Kluwig, B. Luescher, J. Baron; Aachen
- P063** **Characterization and modulation of CC-chemokine Receptor 6 (CCR6) mediated immunosurveillance in malignant melanoma**
D. Martin-Garcia, A. Enk, A. Lonsdorf; Heidelberg
- P064** **Elevated levels of IL-17A in the blood and skin of patients with bullous pemphigoid**
L. Chakievska, S. Goletz, S. Roy, C. Hoelscher, D. Zillikens, F. Schulze, E. Schmidt; Luebeck, Borstel
- P065**
OP01/04 **IL-17E favors neutrophil recruitment in psoriasis by activating M2 macrophages to produce IL-8 in a p38 dependent manner.**
L. Senra, R. Stalder, W. Boehncke, N. Brembilla; Geneva

Clinical research

- P066** **Integrated safety of ixekizumab in patients with moderate to severe psoriasis: Results from a pooled analysis of 7 clinical trials**
B. Strober, K. Papp, C. Leonardi, R. Bissonette, L. Ferris, U. Mrowietz, M. Lebwohl, D. Braun, N. Acharya, W. Xu, K. Reich; Farmington, Waterloo, Saint Louis, Montreal, Pittsburgh, Kiel, New York, Indianapolis, Goettingen
- P067** **Direct modulation of the skin microbiome as new experimental tool for skin diseases**
A. Karoglan, S. Quist, H. Gollnick, T. Tuetting, B. Paetzold; Magdeburg
- P068** **Cold atmospheric pressure plasma for chronic wound healing**
K. Masur, Y. von Werder, S. Hasse, S. Bekeschus, K. Weltmann, W. Motz, T. von Woedtke; Greifswald, Karlsburg
- P069**
OP04/01 **A novel preclinical model of organotypic slice cultures for pharmacodynamic profiling of human melanomas**
T. Sinnberg, H. Niessner, F. Hilke, C. Schroeder, T. Eigentler, M. Levesque, C. Garbe; Tuebingen
- P070** **Rapid onset of efficacy in patients with psoriasis treated with ixekizumab: A pooled analysis of data from two phase 3 randomized clinical trials (UNCOVER-2 and UNCOVER-3).**
C. Leonardi, R. Langley, A. Blauvelt, K. Gordon, D. Shrom, L. Farmer-Kerr, I. Stoykov, C. Ojeh, K. Reich; Saint Louis, Halifax, Portland, Chicago, Indianapolis, Hamburg

- P071** **A randomized, double-blind, active- and placebo-controlled phase 3 study of efficacy and safety of Ixekizumab, Adalimumab, and placebo therapy in patients naïve to biologic disease-modifying antirheumatic drugs with active Psoriatic Arthritis**
P. Mease, D. van der Heijde, C. Ritchlin, R. Cuchacovich, C. Shuler, C. Lin, H. Vangerow, S. Samanta, C. Lee, D. Gladman; Seattle, Leiden, Rochester, Indianapolis, Toronto
- P072** **Treatment of cutaneous mastocytosis - a systematic review**
J. Lukacs, S. Schliemann, P. Elsner; Jena
- P073** **The pivotal role of wide local excision for the treatment of severe hidradenitis suppurativa (Hurley grade III) - retrospective analyses of 74 patients**
C. Posch, B. Monshi, T. Quint, I. Vujic, N. Lilgenau, K. Rappersberger; Vienna
- P074** **IgE-specific immunoabsorption for treatment of severe atopic dermatitis**
J. Wegner, J. Saloga, S. Grabbe, J. Lutz, J. Weinmann-Menke, E. von Stebut; Mainz
- P075** **Eosinophilia during immunotherapy of metastatic melanoma - a warning signal for possible side effects?**
J. Knuever, L. Gerecht, M. Naetlitz, C. Mauch, M. Schlaak; Cologne
- P076**
OP05/03 **The combination of BRAFi and MEKi: a treatment option for BRAF WT patients?**
H. Niessner, I. Wanke, T. Sinnberg, M. Mai, C. Praetorius, C. Garbe, D. Kulms, S. Beissert, D. Westphal, F. Meier; Tuebingen, Dresden
- P077** **Patient-centered aspects of dermatological care for patients with psoriasis vulgaris, urticaria or lupus erythematoses**
T. Maisch, S. Gantner, M. Koller, A. Riss, T. Hoegenauer, M. Schwiensch, G. Huppertz, F. Zeman, M. Berneburg; Regensburg
- P078** **Long-term safety and tolerability of apremilast in patients with moderate to severe psoriasis and cardiometabolic comorbidities: pooled safety analysis for 156 weeks and beyond from phase 3, randomized, controlled trials (ESTEEM)**
J. Cather, G. Girolomoni, K. Shah, R. Chen, J. Sobell; Dallas, Verona, Florham Park, Summit, Boston

Dermato-Endocrinology

- P079** **Topical application of WOL074-009, WOL074-019 and WOL074-029 tripeptides exhibits strong anti-inflammatory activity in a mouse model of psoriasis**
A. Geiselhoeringer, M. Schneeweiss, C. Sternemann, M. Soeberdt, U. Knie, C. Abels, T. Luger, K. Loser; Muenster, Bielefeld
- P080** **Molecular pathogenesis of hidradenitis suppurativa/acne inversa**
C. Zouboulis, A. Hossini, N. Bonitsis, D. Almansouri, E. Makrantonaki; Dessau, Ulm
- P081**
OP06/05 **Insights into the Mechanism of Action of Insulin-like Growth Factor-1 and Insulin in Human T Cells in vitro**
Y. Mirdamadi, A. Thielitz, A. Goihl, K. Guttek, C. Zouboulis, D. Reinhold, U. Bommhardt, S. Quist, H. Gollnick; Magdeburg, Dessau

- P082** **Insights into the Mechanism of Action of Isotretinoin in Human Sebocytes in vitro**
Y. Mirdamadi, A. Thielitz, A. Wiede, A. Goihl, C. Zouboulis, D. Reinhold, U. Bommhardt, S. Quist, H. Gollnick; Magdeburg, Dessau
- P083** **Tropisetron attenuates the inflammatory response in epidermal keratinocytes and acts anti-inflammatory in a mouse model of psoriasis**
A. Stegemann, K. Loser, M. Boehm; Muenster
- P084** **Therapeutic potential of the Nox1/4 inhibitor GKT137831 in scleroderma**
H. Dosoki, M. Taha, H. Schnittler, C. Szyndralewicz, T. Luger, M. Boehm; Muenster, Alexandria, Muenster, Geneva
- P085** **UVR-mediated decrease of epidermal proliferation/differentiation is inhibited by melatonin and its metabolites AFMK and AMK**
T. Fischer, K. Kleszczynski, M. Stegmann, N. Kruse, D. Zillikens; Luebeck
- P086** **Effects of extracellular calcium and 1,25 dihydroxyvitamin D3 on sebaceous gland cells in vitro and in vivo**
C. Zouboulis, H. Seltmann, M. Abdel Naser, A. Hossini, G. Menon, R. Kubba; Dessau, Bridgewater, New Delhi
- P087** **Zileuton, an efficient and safe systemic anti-acne drug**
C. Zouboulis; Dessau
- P088** **Actualization of the European S1 guideline for the treatment of hidradenitis suppurativa/acne inversa**
C. Zouboulis; Dessau
- P089** **Detection of olfactory receptors in various cutaneous cell types in vitro**
M. Apel, H. Dosoki, P. Gkogkolou, T. Luger, M. Matsui, M. Boehm; Muenster, Alexandria, Melville

Dermatopathology

- P090** **Analysis of early inflammatory processes in chemically induced mouse models of dermal fibrosis: pathogenic role of CD11b+ and Ly6C+ myeloid cells**
J. Haub, V. Raker, N. Ruessel, N. Lorenz, D. Schuppan, K. Steinbrink; Mainz
- P091** **A novel mouse model for anti-laminin 332 mucous membrane pemphigoid**
OP04/04 E. Heppe, S. Tofern, F. Schulze, A. Ishiko, D. Zillikens, S. Goletz, E. Schmidt; Luebeck, Tokyo
- P092** **Neutrophil extracellular traps (NETs) are crucial in the pathogenesis of IL-23-mediated psoriasis-like skin inflammation**
V. Manzke, I. Beulshausen, J. Grandke, E. Neubert, M. Schoen, L. Erpenbeck; Goettingen
- P093** **Mast cells participate in the inflammatory response in bullous pemphigoid**
N. Ernst, S. Nsiah, M. Friedrich, N. Gross, D. Zillikens, E. Schmidt, K. Hartmann; Luebeck
- P094** **The adaptive response of MSCs on neutrophil activation depends on TRL-4 mediated sensing at the wound site**
OP02/02 S. Munir, K. Singh, D. Jiang, A. Basu, W. Meinhard, K. Scharffetter-Kochanek; Ulm

Epidemiology

- P095** **Off-label prescriptions and decisions on cost coverage requests - a retrospective analysis**
K. Seidenschnur, R. Werner, C. Dressler, K. Weller, A. Nast; Berlin
- P096** **Development and validation of the quality of life questionnaire for cholinergic urticaria: CholU-QoL.**
J. Ruft, P. Staubach, T. Hawro, M. Maurer, K. Weller, S. Altrichter; Berlin, Mainz
- P097** **Validity, reliability and responsiveness of the Urticaria Activity Scores**
T. Hawro, T. Ohanyan, N. Schoepke, M. Metz, A. Peveling-Oberhag, P. Staubach, M. Maurer, K. Weller; Berlin, Mainz
- P098** **Incidence rates of sexually transmitted infections in "high-risk" men who have sex with men - a meta-analysis of trials and cohort studies on HIV pre-exposure prophylaxis**
R. Werner, C. Dressler, A. Nast; Berlin
- P099** **Eleven years of melanoma patient management - observations and trends from a single-center study in Austria**
C. Posch, V. Feichtenschlager, F. Wehsengruber, K. Rappersberger; Vienna
- P100** **Non-melanoma skin cancer awareness and protective behavior in outdoor professions**
A. Zink, D. Wurstbauer, A. Boehner, F. Lauffer, T. Biedermann; Munich
- P101** **Psoriasis and addictive behavior: an underestimated problem**
A. Zink, T. Fischer, M. Herrmann, A. Boehner, F. Lauffer, N. Garzorz-Stark, T. Biedermann, K. Eyerich; Munich

Genetics

- P102** **Functional characterization of XPG and its spontaneous splice variants during nucleotide excision repair**
S. Schubert, J. Lehmann, C. Seebode, S. Emmert; Goettingen, Rostock
- P103** **Functional relevance of spontaneous alternative splice variants of the xeroderma pigmentosum group F gene**
J. Lehmann, C. Seebode, S. Schubert, S. Emmert; Goettingen, Rostock
- P104** **Tracing of SNPs within Psoriasisform Skin Disease associated locus 1 (PSD1) via Next generation Sequencing**
R. Rajeev Kumar Pandey, K. Kamayani Singh, M. Gatzka, L. Lisa Borkner, H. Wang, K. Scharffetter-Kochanek; Ulm, Braunschweig, Shanghai
- P105** **Survival of induced pluripotent stem cells clearly depends on PI3K/AKT signaling pathway**
A. Hossini, A. Quast, M. Ploetz, K. Grauel, T. Exner, J. Kuechler, H. Stachelscheid, J. Eberle, A. Rabien, E. Makrantonaki, C. Zouboulis; Dessau, Berlin, Ulm

- P106** **Global RNA expression profiling in skin provides insights into disease mechanisms of atopic eczema and psoriasis**
E. Rodríguez, F. Degenhardt, H. Baurecht, N. Volks, A. Franke, S. Weidinger; Kiel
- P107**
OP05/04 **Downregulation of keratin 79 upregulates LRIG1 and induces sebaceous gland hyperplasia**
M. Dahlhoff, C. Hoesl, M. Schneider; Munich
- P108** **Whole-exome sequencing of a xeroderma pigmentosum patient reveals extremely high mutational loads in basal cell carcinomas**
L. Moebus, E. Rodríguez, N. Hauptmann, J. Eichstaedt, A. Hauschild, S. Weidinger; Kiel
- P109** **Phenotype diversity in autosomal recessive congenital ichthyosis associated with mutations in the ST14 gene**
J. Below, J. Kuesel, A. Hotz, J. Fischer, J. Frank; Duesseldorf, Freiburg
- P110** **Late-onset erythropoietic protoporphyria caused by mosaicism after autologous blood stem cell transplantation and radiation therapy**
J. Frank, V. Kuerten, N. Neumann; Duesseldorf
- P111** **Meta-analysis of gene expression profiling of CD4+ T cells reveals novel shared mechanisms and markers between Pemphigus and Systemic lupus erythematosus**
A. Vorobyev, T. Sezin, Y. Gupta, R. Ludwig; Luebeck
- P112** **Diet shifts the genetic association of multiple complex traits in outbred mice**
A. Vorobyev, Y. Gupta, H. Koga, H. Koerber-Ahrens, F. Beltsiou, J. Jascholt, P. Kouki, D. Zillikens, K. Bieber, S. Ibrahim, R. Ludwig; Luebeck
- P113**
OP06/04 **Mutations in three genes encoding proteins involved in hair shaft formation cause uncombable hair syndrome**
F. Basmanav, L. Cau, A. Tafazzoli, M. MÃ©chin, S. Wolf, M. Romano, F. Valentin, H. Wiegmann, A. Hucheng, R. Kandil, N. Garcia Bartels, A. Kilic, S. George, D. Ralsler, S. Bergner, D. Ferguson, A. Oprisoreanu, M. Wehner, H. Thiele, J. Altmueller, P. Nuernbe; Bonn, Toulouse, Muenster, Berlin, Balikesir, Brighton, Oxford, Cologne, Barcelona, Zurich, Darmstadt, Odense, Wuerzburg, Tel Aviv

Health services research

- P114** **Urticaria Activity Score – Results of the available versions are comparable**
K. Weller, T. Hawro, T. Ohanyan, M. Metz, A. Peveling-Oberhag, P. Staubach, M. Maurer; Berlin, Mainz
- P115** **Urticaria Activity Score - Scores representing mild, moderate and severe disease**
K. Weller, T. Hawro, T. Ohanyan, N. Schoepke, M. Metz, A. Peveling-Oberhag, P. Staubach, M. Maurer; Berlin, Mainz
- P116** **Urticaria Control Test - Responsiveness and Minimal Important Difference**
T. Ohanyan, N. Schoepke, B. Bolukbasi, M. Metz, T. Hawro, T. Zuberbier, A. Peveling-Oberhag, P. Staubach, M. Maurer, K. Weller; Berlin, Mainz

Immunology

- P117** **IL-2 functionalized hydroxyethylstarch nanocapsules for targeting of human regulatory CD4+CD25high T cells in vitro and in vivo**
M. Domogalla, F. Wurm, V. Mailaender, K. Landfester, K. Steinbrink; Mainz
- P118** **Dysregulation of pro- and anti-inflammatory Th17 cells in autoinflammatory syndromes**
R. Noster, C. Zielinski; Munich
- P119** **Immuno-modulatory effects of prebiotics, probiotics and active microbial structures on human primary keratinocytes and human primary nasal epithelial cells**
C. Schlumprecht, D. Dittlein, S. Overbeek, J. Hiller, S. Lehmann, J. van Bergenhenegouwen, L. Knippels, J. Garssen, G. Hoermannsperger, D. Haller, C. Traidl-Hoffmann; Augsburg, Davos, Utrecht, Freising-Weihenstephan
- P120** **Inhibition of phosphodiesterase 4 in 6-sulfo LacNAc (slan) dendritic cells enhances their capacity to induce Th17 responses**
S. Oehrl, H. Prakash, S. Pezer, S. Meisel, K. Schaekel; Heidelberg, Hyderabad
- P121** **Invariant natural killer T (iNKT) cells are reduced in peripheral blood of bullous pemphigoid patients and enriched in lesional skin**
L. Mathias, M. Harff, V. Orth, S. Hofmann; Wuppertal
- P122** **Activation of regulatory T cells by superagonistic antibodies to CD28 is determined by integrin α E (CD103)**
J. Hardenberg, N. Dewert, A. Braun, M. Schoen; Goettingen, Goettingen, Osnabrueck
- P123** **Glucocorticoids suppress TLR2/1-induced inflammation, while maintaining TLR-induced host defense programs in human macrophages**
P. Kroell, J. Steiger, M. Fabri; Cologne
- P124** **Immune modulatory effects of methyl fumarate-derived iron carbonyl complexes**
B. Bauer, A. Goederz, H. Braumueller, M. Roecken, T. Wieder, H. Schmalz; Tuebingen, Cologne
- P125** **Platelets induce a regulatory phenotype in CD4+ T cells**
N. Zimmer, S. Hahn, A. Tuettenberg; Mainz
- P126** **Systemic and topical triclosan aggravates murine atopic dermatitis**
M. Schuppe, S. Schroeder, M. Schoen, T. Buhl; Goettingen, Goettingen/Osnabrueck
- P127** **Dynamics of Neutrophil extracellular trap (NET) formation**
OP05/02 E. Neubert, D. Meyer, M. Schoen, S. Kruss, L. Erpenbeck; Goettingen
- P128** **In vitro formation of Neutrophil Extracellular Traps (NETs) is inhibited by the presence of serum and serum albumin in culture media**
S. Senger-Sander, J. Grandke, E. Neubert, S. Erdelt, V. Manzke, M. Schoen, L. Erpenbeck; Goettingen

- P129** **Type 2 innate lymphoid cells act as regulators of type I driven TNCB contact hypersensitivity.**
D. Rafei-Shamsabadi, B. Dorn, S. van de Poel, S. Kunz, S. Martin, C. Klose, J. Tanriver, K. Ebert, S. Arnold, A. Diefenbach, T. Halim, A. McKenzie, T. Jakob;
Freiburg, Mainz, Cambridge, New York, Giessen
- P130** **Neutrophil activation in psoriasis is associated with enhanced mechanical deformation**
S. Steffen, M. Herbig, S. Abraham, S. Meisterfeld, K. Blau, J. Guck, C. Guenther; Dresden
- P131** **Influence of neutrophil granulocytes treated with extracorporeal photopheresis on cutaneous fibrosis**
C. Franklin, V. Heiderich, B. Schilling, S. Brandau; Essen, Wuerzburg
- P132** **Detection of neutrophil extracellular traps in human immune complex vasculitis**
S. Hain, F. Schedel, C. Mitschang, C. Sunderkoetter, K. Pappelbaum; Muenster
- P133**
OP05/05 **Role of histone H2A deubiquitinase Mym1 in immune cell development, T helper cell differentiation and autoimmunity.**
I. Krikki, M. Wlaschek, K. Scharffetter-Kochanek, M. Gatzka; Ulm
- P134** **Immunomodulatory Effects of Mesenchymal Stem Cells on Macrophage Activation**
F. Ferreira, P. Meyer, M. Wlaschek, K. Scharffetter-Kochanek; Ulm
- P135** **Regulatory T cells suppress the myeloid cell-dependent inflammation and blistering in pemphigoid diseases**
K. Bieber, S. Sun, M. Witte, A. Kasprick, F. Beltsiou, N. Reichhelm, F. Schulze, D. Zillikens, E. Schmidt, K. Kalies, R. Ludwig; Luebeck, Dalian
- P136**
OP01/01 **Myeloid cell-specific STAT3 signaling regulates bleomycin-induced skin fibrosis via inhibition of an autocrine TGFbeta loop**
N. Do, S. Willenborg, X. Ding, S. Eming; Cologne
- P137** **The NCOA/PPAR γ -axis modulates Treg/Th17 and $\gamma\delta$ T cell plasticity in psoriasiform skin inflammation and psoriasis**
M. Gatzka, K. Singh, A. Hainzl, I. Krikki, R. Pandey, C. Kroeger, M. Wlaschek, K. Scharffetter-Kochanek; Ulm
- P138** **Chymase-CreMcl-1fl/fl mice exhibit reduced numbers of mucosal mast cells**
Y. Luo, C. Zimmermann,
S. Heydrich, J. Scheffel, O. Schmetzer, M. Metz, M. Maurer, F. Siebenhaar
- P139** **Defective clearance of intracellular nucleic acids enhances sensitivity to extracellular stress and predisposes to autoimmunity**
F. Schmidt, N. Zimmermann, N. Berndt, C. Wolf, P. Knuschke, M. Lee-Kirsch, C. Guenther; Dresden
- P140** **Macrophage Migration Inhibitory Factor (MIF) promotes TH17 cell-driven psoriasiform dermatitis**
S. Bezdek, S. Mousavi, D. Zillikens, R. Bucala, C. Sadik; Luebeck, New Haven
- P141** **12/15-lipoxygenase aggravates psoriasiform dermatitis**
S. Bezdek, M. Krajewski, C. Buerger, D. Schwudke, S. Mousavi, D. Zillikens, C. Sadik; Luebeck, Borstel, Frankfurt am Main

- P142 OP04/06 Psoriatic inflammation is initiated by DAMP/DNA complexes on plasmacytoid dendritic cells via RAGE**
K. Tarnanidis, M. Reith, A. Enk, V. Umansky, J. Utikal, C. Gebhardt;
Heidelberg, Mannheim
- P143 Interface dermatitis shows a distinctive molecular signature independent from individual disease background**
F. Lauffer, L. Krause, R. Franz, N. Garzorz-Stark, T. Biedermann, F. Theis,
C. Schmidt-Weber, S. Eyerich, K. Eyerich; Munich, Neuherberg
- P144 Regulated expression of CD73 by subsets of dendritic cells in skin is crucial for modulating contact hypersensitivity reactions in mice**
C. Silva-Vilches, A. Enk, K. Mahnke; Heidelberg
- P145 OP06/01 Expression of the aryl hydrocarbon receptor in cutaneous langerin-positive dendritic cells is crucial for disease development in a mouse model of systemic lupus erythematosus**
C. Baumann, E. Hesse, C. Esser, T. Haarmann-Stemmann, T. Luger, K. Loser;
Muenster, Duesseldorf
- P146 IgG-opsonized tumor cells attenuate the positive feed-back loop between human pro-inflammatory dendritic cells and natural killer cells**
F. Funck, J. Pahl, A. Cerwenka, K. Schaekel; Heidelberg
- P147 4-1BB overexpression in basal keratinocytes induces the disruption of the eye's immune privilege**
E. Gonnelli, M. Kasper, D. Bauer, V. Kupas, T. Luger, A. Heiligenhaus, K. Loser; Muenster
- P148 Early changes in keratinocytes and immune cells under antipsoriatic therapies**
J. Holstein, J. Brueck, B. Fehrenbacher, A. Yazdi, F. Eberle, K. Ghoreschi; Tuebingen
- P149 Topical PDE4i treatment of psoriatic lesions leads to amelioration of inflammatory markers**
L. Roesner, P. Kienlin, G. Begemann, O. Dittrich-Breiholz, T. Werfel; Hannover
- P150 Lipocalin-2 is expressed by activated granulocytes and keratinocytes in affected skin and serves as a novel blood biomarker of disease activity in Acne inversa**
K. Wolk, J. Wenzel, A. Tsaousi, E. Witte-Haendel, N. Babel, C. Zelenak, H. Volk,
W. Sterry, S. Schneider-Burrus, R. Sabat; Berlin, Bonn
- P151 Serological investigation on cellular activation levels in patients with bullous pemphigoid**
A. Ernst, K. Bieber, E. Schmidt, M. Kasperkiewicz, R. Ludwig; Luebeck
- P152 Identification of keratinocyte differentiation-associated IL-1 family members**
J. Lachner, V. Mlitz, M. Buchberger, B. Golabi, E. Tschachler, L. Eckhart; Vienna
- P153 Xenoreactivity to rabbit IgGs contributes to pathogenesis of experimental epidermolysis acquisita in mice**
S. Maass, M. Kasperkiewicz, E. Hauenschild, M. Niebuhr, K. Bieber, J. Westermann,
K. Kalies; Luebeck
- P154 Dimethylfumarate modulates Neutrophil extracellular trap formation in an L-Glutathion and superoxide dependent manner**
J. Hoffmann, K. Schaekel, D. Hartl, A. Enk, E. Hadaschik; Heidelberg, Tuebingen, Basel

- P155 Targeting tumor associated macrophages in a human melanoma model using siRNA and small molecules encapsulated in nanoparticles to achieve an anti-tumor response**
J. Schupp, F. Foerster, M. Voigt, M. Konhaeuser, N. Leber, R. Holm, S. Kurch, W. Tremel, M. Barz, R. Zentel, P. Wich, M. Helm, D. Schuppan, A. Tuettenberg; Mainz, Boston
- P156 Investigating immunosuppressive regulatory T cells (Treg) and myeloid-derived suppressor cells (MDSC) in checkpoint inhibitor therapy of malignant melanoma**
F. Krebs, H. Mitzel-Rink, A. Jetter, J. Behling, D. Wickert, B. Lang, S. Hahn, M. Meissner, S. Tenzer, S. Grabbe, C. Loquai, A. Tuettenberg; Mainz, Frankfurt am Main
- P157 CAR/TCR-transfected \hat{I}^3/\hat{I}' T cells for immunotherapy of melanoma**
D. Harrer, B. Simon, S. Fujii, K. Shimizu, U. Uslu, L. Schoch, G. Schuler, K. Gerer, S. Hoyer, J. Doerrie, N. Schaft; Erlangen, Yokohama
- P158 The imiquimod model as a model for psoriasis and/or eczema in humans?**
N. Garzorz-Stark, L. Krause, F. Lauffer, A. Atenhan, J. Thomas, F. Theis, N. Mueller, T. Biedermann, C. Schmidt-Weber, S. Eyerich, K. Eyerich; Munich, Neuherberg, Garching
- P159 OP03/04 Towards the analysis of the paired TCR alpha- and beta-chains of single alopecia areata-specific human CD8+ T-cells**
M. Bertolini, S. Altendorf, Y. Uchida, D. Below, Q. Zhou, A. Rossi, K. Dornmair, R. Paus; Muenster, Kagoshima, Munich, Rome, Manchester
- P160 Analysis of autoreactive desmoglein 3-specific B cells in patients with pemphigus vulgaris**
R. Pollmann, T. Schmidt, C. Moebis, W. Pfuetzner, M. Hertl, R. Eming; Marburg
- P161 OP06/03 Characterization of multiple B cell subsets in peripheral blood and skin biopsies of psoriasis patients identifies a correlation of plasma and regulatory B cells and disease severity**
M. Kuepper, J. Thomas, L. Krause, N. Mueller, T. Biedermann, F. Theis, C. Schmidt-Weber, K. Eyerich, S. Eyerich, N. Garzorz-Stark; Munich, Neuherberg
- P162 Regulation of IL-33 expression in epithelial cells and immune cells**
J. Brueck, A. Schloegl, J. Holstein, K. Meier, B. Fehrenbacher, K. Ghoreschi, A. Yazdi; Tuebingen
- P163 Signal deficiency of melanocortin-1 receptor augments extent of skin infection induced by *S. aureus***
M. Boehm, H. Dosoki, M. Apel, H. Ikeno, K. Loser; Muenster, Alexandria, Tokyo
- P164 Regulatory T cell defect cause Th1/Th2 driven skin inflammation in Scurfy mice**
S. Haeberle, A. Enk, E. Hadaschik; Heidelberg
- P165 The IL-1 pathway is hyperactive and promotes tissue destruction and immune cell infiltration in Acne inversa**
E. Witte-Haendel, K. Wolk, A. Tsaousi, R. Moessner, T. Lingner, K. Witte, J. Wenzel, G. Salinas, S. Jodl, N. Schmidt, W. Sterry, H. Volk, E. Giamarellos-Bourboulis, W. Doecke, S. Schneider-Burrus, R. Sabat; Berlin, Goettingen, Bonn, Athens
- P166 Increase of the efficacy of vaccinations in immunosuppressed mice**
K. Neuschuetz, K. Bieber, J. Zanken, K. Matsumoto, R. Ludwig; Luebeck

- P167**
OP03/02 **Deficiency of IL-22 binding protein strengthens psoriatic skin inflammation**
K. Wolk, J. Martin, G. Bériou, E. Witte-Haendel, A. Abidi, G. Kokolakis, C. Louvet, L. Drujont, L. Dumoutier, J. Renauld, R. Josien, R. Sabat; Berlin, Nantes, Brussels
- P168**
OP03/05 **Intimate contact between innate lymphoid cells and T cells in inflamed human skin**
C. Brueggen, W. Bauer, B. Reiningger, E. Clim, C. Captarencu, P. Brunner, G. Steiner, B. Meier, L. French, G. Stingl; Vienna, Zurich
- P169** **Control of expression and immune regulatory function of TIMP3 in psoriasis**
A. Rendon, A. Kunze, S. Pezer, P. Beckhove, G. Murphy, A. Enk, K. Schaekel; Heidelberg, Cambridge

Infectious diseases

- P170** **S. epidermidis-induced reduction of S. aureus skin colonization depends on the activation of distinct innate immune signaling pathways**
K. Bitschar, M. Burian, B. Schitteck; Tuebingen
- P171** **Mast cells: Do they play a role in cutaneous leishmaniasis?**
K. Dietze-Schwonberg, K. Kautz-Neu, A. Roers, M. Maurer, E. von Stebut; Mainz, Dresden, Berlin
- P172**
OP02/01 **Towards vaccine development: from mice to humans – cross-reactivity of immunogenic antigens by human T cells identified in experimental leishmaniasis**
A. Schermann, B. Lorenz, S. Tenzer, E. von Stebut; Mainz
- P173** **Accelerated growth of Malassezia species in optimized culture conditions**
C. Leong, A. Buttafuoco, P. Schmid-Grendelmeier, P. Bosshard, M. Glatz; Zurich
- P174** **Contribution of phagocyte depletion and F4/80- and CD11b-deficiency to disease outcome in cutaneous leishmaniasis**
T. Twelkmeyer, A. Schermann, H. Lin, S. Gordon, K. Steinbrink, E. von Stebut; Mainz, Taoyuan, Oxford
- P175** **RNase 7 promotes TLR9 mediated sensing of self-DNA by human keratinocytes and activates an antiviral immune response.**
V. Kopfnagel, S. Wagenknecht, J. Harder, K. Hofmann, M. Kleine, B. Sodeik, T. Werfel; Hannover, Kiel

Pharmacology

- P176** **Penetration of polymeric nanocarriers in human skin - potential for innovations in dermatotherapy?**
A. Vogt, F. Rancan, J. Frombach, N. Doege, S. Hadam, U. Blume-Peytavi; Berlin

Photobiology

- P177** **Superoxide dismutase: a defense strategy of bacteria against "oxidative burst" induced by photodynamic antimicrobial chemotherapy?**
P. Tabrizi, S. Wennige, M. Berneburg, T. Maisch; Regensburg
- P178** **UVA irradiation of Senescence fibroblasts epigenetically unlock anti-apoptotic GDF15 expression via interleukin-6 mediated promoter demethylation in melanoma cells**
A. Basu, K. Singh, D. Kletsas, B. Schumacher, K. Scharffetter-Kochanek; Ulm, Athens, Cologne
- P179**
OP01/06 **Photodynamic therapy leads to a decrease of peripheral IL-17A+-T-cells in oral lichen planus patients**
T. Schmidt, R. Cosgarea, R. Stein, R. Pollmann, J. Sharif, N. Arweiler, M. Hertl; Marburg
- P180** **Mechanism of action of phenalen-1-one bactericides compared to benzalkonium chloride**
S. Wennige, F. Cieplik, T. Maisch, K. Hiller, M. Berneburg, A. Spaeth; Regensburg
- P181** **Effect of UV-R on skin microbiome and its interference in UV-induced immune suppression.**
V. Patra, B. Halwachs, G. Gorkiewicz, P. Wolf; Graz
- P182** **UVA radiation changes gene expression and processing of Laminin-332 in human skin cells**
I. Aschermann, Y. Kamenisch, T. Baban, M. Berneburg, B. Schitteck; Tuebingen, Regensburg
- P183** **Ultraviolet (UV)-A irradiation induces melanoma invasion via enhanced Warburg effect**
Y. Kamenisch, T. Baban, W. Schuller, I. Ivanova, G. Metzler, J. Bauer, C. Garbe, B. Schitteck, M. Roecken, M. Berneburg; Regensburg, Tuebingen
- P184** **Interplay between the Innate Immune System and Environmentally Induced Aging**
F. Opitz, P. Meiser, J. Krutmann, I. Foerster, H. Weighardt; Bonn, Duesseldorf

Pruritus

- P185** **Role of Dysesthetic Sensations in Chronic Pruritus**
K. Agelopoulos, J. Hidding, T. Lotts, H. Conrad, M. Pereira, E. Pogatzki-Zahn, M. Marziniak, S. Staender; Muenster, Munich, Goettingen, Muenster / Muenchen
- P186** **Body heatmaps of pruritus in dermatological diseases**
T. Hawro, K. Przybylowicz, L. Waldert, A. Ellrich, M. Liedtke, M. Spindler, K. Weller, U. Reidel, S. Altrichter, C. Nagl, M. Gorkczyza, M. Magerl, T. Ohanyan, F. André, M. Hawro, E. Alarbeed, O. Alraboni, R. Sabat, M. Maurer, M. Metz; Berlin, Innsbruck

Tumor biology

- P187** **Stat1-dependent cancer cell senescence controls cancer development during Th1 driven immunotherapy**
E. Brenner, B. Schoerg, T. Wieder, H. Braumueller, J. Bauer, K. Ghoreschi, A. Yazdi, L. Quintanilla-Martinez, M. Schaller, B. Pichler, M. Kneilling, M. Roecken; Tuebingen
- P188** **PD-L1 expression and composition of tumor microenvironment in primary cutaneous diffuse large B-cell lymphoma**
C. Mitteldorf, A. Berisha, M. Tronnier, M. Pfaltz, S. Broekaert, K. Kerl, K. Mertz, W. Kempf; Hildesheim, Zurich, Goettingen, Liestal
- P189** **The role of PD-L1 in tumor microenvironment of merkel cell carcinoma**
C. Mitteldorf, A. Berisha, M. Tronnier, M. Pfaltz, W. Kempf; Hildesheim, Zurich
- P190** **Altered balance of p53 family member interplay in malignant melanoma**
E. Makino, T. Sinnberg, B. Schitteck; Tuebingen
- P191**
OP01/05 **Emerging targets in resistance to MAPK inhibition: Tackling the RSK in malignant melanoma**
C. Kosnopfel, T. Sinnberg, B. Sauer, H. Niessner, A. Schmitt, A. Forschner, S. Hailfinger, C. Garbe, B. Schitteck; Tuebingen
- P192** **Variant MCC cell lines are more closely related to SCC than to classical MCC cell lines**
C. Ritter, I. Spassova, K. Fan, T. Herold, P. Boukamp, J. Becker; Essen, Graz, Duesseldorf
- P193**
OP03/01 **Prognostic significance of PDCD1 (PD-1), CD274 (PD-L1) and PDCD1LG2 (PD-L2) promoter methylation for melanoma patients**
D. Goltz, H. Gevensleben, F. Bootz, G. Kristiansen, D. Dietrich, J. Landsberg; Essen, Bonn, Cologne
- P194** **Non-invasive in-vivo visualization of melanoma micrometastases in sentinel lymph nodes**
P. Jansen, I. Stoffels, D. Schadendorf, J. Klode; Essen
- P195** **Deciphering tumour heterogeneity towards optimised therapy selection in malignant melanoma**
J. Griss, R. Mayer, C. Wagner, C. Gerner, S. Wagner; Vienna
- P196** **Single-cell RNA-seq analysis of patient-derived melanoma cultures**
T. Gerber, E. Willscher, H. Loeffler-Wirth, L. Hopp, D. Schadendorf, M. Scharl, G. Camp, U. Anderegg, B. Treutlein, H. Binder, M. Kunz; Leipzig, Essen, Wuerzburg
- P197** **Immunogenic cell death of B16 melanoma cells following exposure to cold physical plasma derived oxidants**
K. Roedder, S. Bekeschus; Greifswald
- P198** **Exogenous oxidants and macrophage polarization in melanoma cells**
J. Moritz, K. Roedder, I. Stoffels, S. Bekeschus; Greifswald, Essen
- P199** **Targeting melanoma cells at ribosomal biogenesis: Inhibition of telomerase and RNA-polymerase I as a new therapeutic approach**
M. Wagner, K. Scharffetter-Kochanek, S. Iben; Ulm

- P200
OP04/05** **RNA-Seq analysis of benign melanocytic nevi and primary melanomas**
M. Kunz, M. Dannemann, G. Dose, J. Kelso, S. Hoffmann, J. Landsberg, T. Tueting, P. Zigrino, C. Mauch, T. Kottek, J. Utikal, H. Schulze, M. Ziemer, J. Simon, A. Bosserhoff, M. Scharl;
Leipzig, Bonn, Magdeburg, Cologne, Mannheim, Muenster, Erlangen, Wuerzburg
- P201** **Response patterns to MEK inhibition, but not NRAS mutation status predict the efficacy of combined MEK/CDK4,6 targeting in melanoma**
C. Posch, M. Sanlorenzo, J. Ma, S. Kim, M. Zekhtser, K. Rappersberger, S. Ortiz-Urda;
Vienna, San Francisco, Turin
- P202** **Evaluation of the radiation-induced stress response in a human full thickness skin model.**
A. Koenig, A. Heselich, N. Zoeller, R. Kaufmann, S. Kippenberger, P. Layer;
Frankfurt am Main, Darmstadt
- P203** **G-protein coupled receptor GPR120 influences melanoma cell proliferation, migration and cell cycle**
J. Kleemann, I. Hrgovic, K. Steinhorst, R. Kaufmann, M. Meissner, S. Kippenberger;
Frankfurt am Main
- P204** **Sensitization of melanoma cells for TRAIL-induced apoptosis by an indirubin derivative - a decisive role of reactive oxygen species (ROS)**
V. Zhivkova, P. Langer, J. Eberle; Berlin, Rostock
- P205** **Critical role of reactive oxygen species (ROS) for synergistic enhancement of apoptosis by vemurafenib and the potassium channel inhibitor TRAM-34 in melanoma cells**
D. Bauer, F. Werth, H. Nguyen, F. Kiecker, J. Eberle; Berlin
- P206
OP05/01** **Presence and influence of Neutrophil extracellular traps in malignant melanoma**
F. Schedel, K. Pappelbaum, S. Hain, C. Sunderkoetter, D. Metze, K. Loser, T. Luger, C. Weishaupt; Muenster
- P207** **Ineffective antibody-dependent cellular cytotoxicity in patients with late stage cutaneous T cell lymphoma**
Y. Chang, M. Ziegler, D. Ignatova, P. Ivanov, R. Profanter, K. Kerl, R. Dummer, E. Contassot, L. French, A. Cozzio, S. Misailovic, W. Hoetzenecker, M. Vechev, E. Guenova; Zurich, Champaign, St. Gallen
- P208** **Thymoma-associated autoimmune syndrome**
F. Solimani, J. Pickert, T. Schmidt, A. Schmidt, A. Kirschbaum, R. Eming, B. Tackenberg, M. Hertl; Marburg
- P209
OP02/04** **Insulin resistance as a pathomechanism in malignant melanoma?**
N. Frickel, F. Touissant, S. Diehl, V. Lang, M. Meissner, R. Kaufmann, C. Buerger;
Frankfurt am Main
- P210** **Dual role of aPKC/ in skin carcinogenesis**
O. Persa, D. Kleefisch, S. Vorhagen, S. Iden, C. Niessen; Cologne
- P211** **Cell death and senescent cancer cell clearance**
K. Boehm, H. Braumueller, T. Wieder, M. Roecken; Tuebingen

- P212** **Damage-associated molecular pattern molecules as novel predictive markers in melanoma treatment with immune checkpoint inhibitors**
M. Gries, K. Schaefer, R. Lichtenberger, V. Umansky, J. Utikal, C. Gebhardt;
Heidelberg, Mannheim
- P213** **Tumor-homing eosinophils predict the clinical course of malignant melanoma**
A. Hufeland, J. Barthels, M. Gries, A. Funder, C. Kehrel, K. Schaefer, R. Lichtenberger, D. Tichy, T. Holland-Letz, E. Herpel, V. Umansky, J. Utikal, C. Gebhardt;
Heidelberg, Mannheim
- P214** **Peripheral myelin protein 2 is a target gene of the transcription factor SOX10 in melanoma and affects tumor cell invasion**
S. Graf, M. Heppt, S. Krebs, C. Kammerbauer, E. Hornig, A. Strieder, H. Blum, C. Berking; Munich
- P215**
OP02/05 **Inhibition of FGF receptors for effective treatment of BRAF- and BRAF/MEK-inhibitor-resistant melanoma cells**
S. Graf, A. Strieder, S. Meierjohann, M. Heppt, C. Kammerbauer, C. Berking;
Munich, Wuerzburg
- P216** **LRIG2 - friend or foe in skin tumorigenesis**
C. Hoesl, R. Wolf, E. Wolf, M. Schneider, M. Dahlhoff; Munich
- P217** **Combination with -secretase inhibitor prolongs treatment efficacy of BRAF inhibitor in BRAF-mutated melanoma cells**
D. Schrama, G. Zhu, M. Goebeler, R. Houben; Wuerzburg, Xian
- P218** **Hyperactive NRAS downstream signaling induces specific transcriptome changes -esiRNA based identification of new therapeutic targets in NRAS mutant melanoma identifies the noncoding RNA 7SL as a major proliferation enhancer**
I. Vujic, M. Vujic, M. Sanlorenzo, C. Posch, A. Preschitz, R. Esteve-Puig, K. Lai, W. Ho, K. Rappersberger, S. Ortiz-Urda; Vienna, San Francisco, Turin
- P219**
OP01/03 **c-MET dependent neutrophil responses limit anti-tumoral T cell expansion and immunotherapy of cancer**
N. Glodde, T. Bald, D. van den Boorn-Konijnenberg, S. Szczepanski, M. Brandes, S. Eickhoff, N. Shridhar, D. Hinze, M. Rogava, T. van der Sluis, J. Ruotsalainen, E. Gaffal, J. Landsberg, K. Ludwig, M. Riek-Burchardt, A. Mueller, V. Janzen, W. Kastenmueller;
Bonn, Magdeburg, Braunschweig, Leuven
- P220** **„Off-target“ effects of tyrosine kinase inhibitors on human vitamin D3 metabolism**
L. Kroschwald, L. Olbricht, J. Tauer, M. Suttorp, N. Zimmermann, C. Guenther, A. Bauer;
Dresden, Dresden
- P221** **Identification of unique molecular signatures of differentially cycling tumour cell subpopulations in a 3D melanoma model**
F. Ahmed, C. Tonnessen, L. Spoerri, S. Daignault, M. Stark, H. Schaidler, M. Hill, N. Haass; Brisbane
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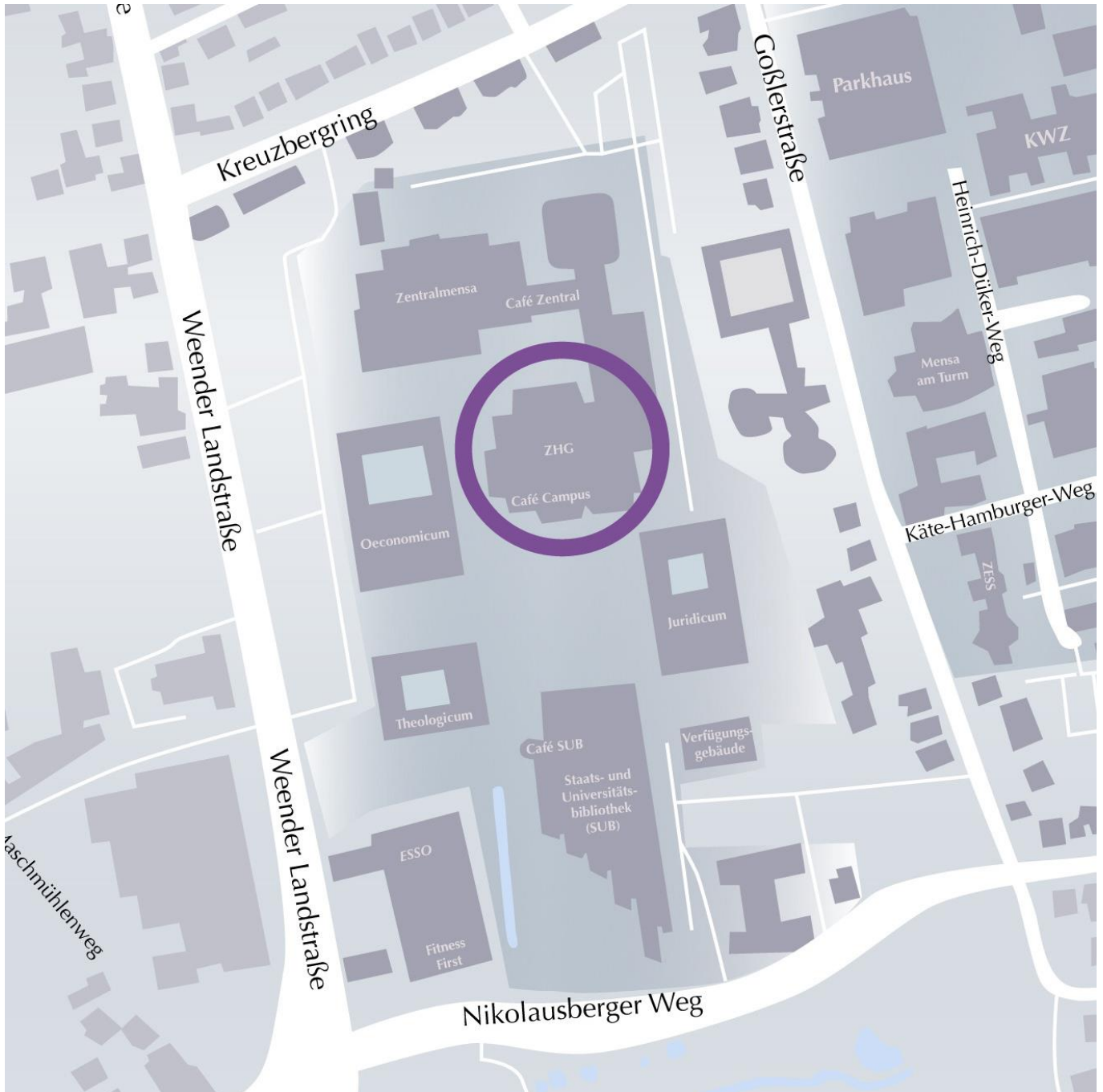
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