



**41st Annual Meeting
of the
Arbeitsgemeinschaft
Dermatologische Forschung**

in collaboration with the
Deutsche Dermatologische Gesellschaft (DDG)

March 13-15, 2014
Cologne, Germany

by February 14, 2014

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

Meeting Venue

Physikalisches Institut, University Cologne

Zuelpicher Straße 77, 50937 Cologne

<http://www.ph2.uni-koeln.de>

Prior to the meeting

Conference phone: +49(0)6174 931 333

Conference fax: +49(0)6174 931 343

During the meeting

Conference phone: +49(0)170-3221576

How to get there

by car:

from Düsseldorf/Neuss/Duisburg/Oberhausen/Dortmund/Wuppertal:

A57 – Exit: Lindenthal- follow the Innere Kanalstr -> Universitätsstr. (app. 4 Km) -> pass below the University's square Albertus-Magnus-Platz -> turn left into Zülpicherstr.

from Frankfurt/Bonn:

A4- Exit: Köln-Klettenberg -> turn right on Luxemburgerstr. (B265) towards Cologne (app. 3 Km) -> turn left into Universitätsstr. -> turn right into Zülpicherstr.

by train:

from Cologne Central Station (Köln Hauptbahnhof/Hbf) (travel time app. 20 min):

Underground/Tram: No. 18 (Stop Eifelwall)

Taxi (price app. 12-15 Euro)

by plane:

from Cologne/Bonn Airport (travel time app. 40 min):

Tram S13 (every 20 min.), InterRegio or InterCity-train to (Köln Hbf) (travel time app. 15 min);

from Central Station (Hbf) to the University, see description above.

Taxi (price app. 35-40 Euro, ca. 20 km)

(for further information see map on page 41 or <http://www.ph2.uni-koeln.de/130.html>)

Local Organisers

**Cornelia Mauch, Nico Hunzelmann, Karin Hartmann, Beate Eckes,
Mario Fabri, Sabine Eming, Thomas Krieg**

Klinik und Poliklinik für Dermatologie und Venerologie der Universität zu Köln
Kerpener Str. 62, 50937 Köln

Technical organisation, hotel, travel, social programme

COPP Birgit Barnickel

Friedrich-Ebert-Straße 12, 61462 Koenigstein

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MEETING ORGANISATION

Hotel Reservations

A list of hotels with special rates for the ADF Annual Meeting can be found on the webpage <http://www.hrs.de/web3?clientId=ZGVfX2FkZg,2>

Registration Fee Non-members: € 60.00 (onsite registration only!)
Members: € 40.00 (charged as membership fee!)
Students are free of charge upon demonstration of appropriate documents.
EC cards can be accepted (no credit cards!)

Opening Hours of the Conference Bureau

Thursday, March 13, 2014	11:00-19:00
Friday, March 14, 2014	08:00-19:00
Saturday, March 15, 2014	08:30-14:00

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

Projection

Projection of talks is exclusively via beamer. 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.

Meet the DFG Experts on Friday, March 14:

09:30 - 12:30 (Hörsaal 3): Dr. Katja Hartig of the DFG will be available to discuss individual questions (a 15 minutes)

13:00 - 13:45 (Hörsaal 3): 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.

MEETING ORGANISATION

During the ADF Annual Meeting, the following working groups do meet as follows
(by 01-20-2014):

Wednesday, March 12, 2014:

AG Dermato-Endokrinologie	09:00-18:00	ZMMK, Mediathek
Melanom Verbund	13:00-20:00	CECAD-Forschungszentrum
AG Psoriasis	16:00-19:00	Philosophikum, SR 78

Thursday, March 13, 2014:

AG Experimentelle Dermatoonkologie	09:30-13:00	Philosophikum, SR 57
AG Experimentelle Allergologie	09:00-12:45	Philosophikum, SR 63
AG Autoimmunbulloese Dermatosen	09:00-13:00	Philosophikum, SR 54
AG Dermatologische Genetik	09:30-12:30	Philosophikum, SR 58
AG Atopische Dermatitis/AG Epidemiologie	11:00-13:00	Philosophikum, SR 55
AG Kutane Lymphome	09:30-12:30	Philosophikum, SR 65
AG Pruritus	09:00-13:00	Philosophikum, SR 56
AG Psoriasis	09:00-13:00	Philosophikum, SR 78

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 2014

(ADE-Forschungspreis 2014)

Prize: 1.500 €

About the 41. Annual Meeting of the Arbeitsgemeinschaft Dermatologische Forschung

Dear Colleagues and Friends,

We would like to warmly welcome you to the 41st Annual Meeting of the Arbeitsgemeinschaft Dermatologische Forschung. This year, we have received 304 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. Together with the Deutsche Stiftung Dermatologie (DSD), we will also award the *DSD/ADF Research Grant*, to promote the research activities of junior scientists.

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 2015.

We are looking forward to this year's workshop, which is devoted to „*Extracellular matrix in health and disease*“. Additional highlights of this year's annual meeting are the *Guenter Goerz Memorial Lecture* and the *Guest Lecture*, which will be given by Johannes Ring (Munich) and Hergen Spits (Amsterdam, Netherlands), 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 Cologne.

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

Sabine Eming
President

Knut Schaekel
Secretary

Markus Boehm
Treasurer

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

Experts for abstract review

P. Boukamp, Heidelberg	M. Felcht, Mannheim	J. Landsberg, Bonn
J. Brandner, Hamburg	J. Frank, Duesseldorf	V. Oji, Muenster
P. Brunner, Vienna	S. Gilles, Munich	E.-B. Peters, Giessen
S. Dubrac, Innsbruck	R. Glaeser, Kiel	M. Schmidt, Giessen
S. Emmert, Goettingen	N. Haass, Sydney	E. Schmidt, Luebeck
P. Eßer, Freiburg	S. Haferkamp, Würzburg	E. Witte, Berlin
S. Eyerich, München	C. Has, Freiburg	C. Zielinski, Berlin
M. Fabri, Cologne	W. Hoetzenecker, Zuerich	

Poster committee 1 (even numbers)

J. Brandner, Hamburg

J. Ehrchen, Muenster
K. Eyerich, Munich
E. Makrantonaki, Dessau
S. Martin, Freiburg
N. Schaft, Erlangen

Poster committee 2 (odd numbers)

M. Metz, Berlin

A. Bosserhoff, Regensburg
T. Fischer, Luebeck
R. Glaeser, Kiel
K. Mahnke, Heidelberg
E. Witte, Berlin

Poster walks

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

Adaptive Immunity (R. Eming)	Infectious diseases (C. Sunderkoetter)
Allergy (J. M. Baron)	Innate Immunity (J. Harder)
Cellular Biology (A. Sindrilaru)	Mast cells and Basophils (F. Siebenhaar)
Clinical Research (K. Ghoreschi)	Psoriasis (D. Thaci)
Dermato-Endocrinology (E. Peters)	Tumor Biology (T. Sinnberg)
Epidemiology and Genetics (S. Weidinger)	Tumor Immunology (J. Landsberg)

We thank Janssen Cilag GmbH and Biogen Idec for the kind support.

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

Thursday, March 13, 2014

12:30-14:00 Poster mounting and registration

13:00-14:00 Lunch

14:00-14:10 Welcome Address
S. Eming, T. Krieg

14:10-15:10 Oral Presentations I
Chairs: E. Hadaschik, N. Romani

- | | | |
|------------|--------------|--|
| O01 | 14:10 | Alpha-melanocyte-stimulating hormone reduces skin carcinogenesis by inhibiting the expansion of myeloid-derived suppressor cells
N. Sucker, L. Klenner, N. Seltrecht, T. Luger, K. Loser; Muenster |
| O02 | 14:20 | A beneficial role for immunoglobulin E in host defense against honeybee venom
T. Marichal, P. Starkl, L. Reber, J. Kalesnikoff, H. Oettgen, M. Tsai, M. Metz, S. Galli; Stanford, Boston, Berlin |
| O03 | 14:30 | The role of Mcl-1 and Bcl-xL in homeostasis and function of murine mast cells
A. Foerster, A. Rabenhorst, P. Bouillet, A. Strasser, Y. He, A. Roers, K. Hartmann; Cologne, Parkville, Victoria, Durham, Dresden |
| O04 | 14:40 | Visualization of autoantibodies and neutrophils in vivo identifies novel checkpoints in autoantibody-induced tissue injury
H. Iwata, M. Piper, D. Zillikens, P. Koenig, R. Ludwig; Luebeck |
| O05 | 14:50 | Thy-1 (CD 90) - a tumour suppressor on dermal fibroblasts?
M. Schmidt, D. Gutknecht, J. Simon, B. Eckes, U. Anderegg, A. Saalbach; Leipzig, Cologne |
| O06 | 15:00 | Von Willebrand Factor mediates the binding of Staphylococcus aureus to the endothelium upon physiological blood flow conditions
C. Gorzelanny, K. Pappelbaum, C. Bauer, S. Graessle, M. Laschke, M. Schorpp-Kistner, R. Schneppenheim, C. Weidenmaier, M. Bischoff, B. Sinha, S. Schneider;
Mannheim, Homburg/Saar, Groningen, Tuebingen, Hamburg, Heidelberg |

15:10-15:20 ADF Award I
 (Short presentation of awardee)

Paul Langerhans Award*
 M. Hertl, K. Schaekel

**The ADF thanks Biogen Idec for the kind support.*

Thursday, March 13, 2014

15:20-15:40 Quo Vadis Lecture I

M. Gilliet, Lausanne:
Trapped in the NET
Introduction: A. Yazdi

15:40-16:10 Coffee break

16:10-18:10 WORKSHOP

Extracellular matrix in health and disease

Organisation/
Moderation:

T. Krieg, C. Mauch, B. Eckes, S. Eming

16:10-16:40

Reinhard Fässler, MPI of Biochemistry, Martinsried
Genetic analysis of integrin signalling

16:40-17:10

Sirio Dupont, University of Padova
A signalling role for the cytoskeleton: regulation of the YAP/TAZ nuclear activity

17:10-17:40

Sara Wickstroem, MPI for Biology of Ageing, Cologne
Adhesions and cytoskeleton in epidermal cell fate decisions

17:40-18:10

Matthias Lutolf, EPFL, Lausanne
Designing materials to direct stem-cell fate

With kind support from SFB829 and AbbVie Deutschland

18:10-22:00 POSTER SESSION AND NETWORKING

With snacks and drinks

Friday, March 14, 2014

08:30-09:30**Oral Presentations II****Chairs: C. Traidl-Hoffmann, M. Schmuth**

- O07 (P225) 08:30** **Bad bugs - no drugs? Vitamins kill multiresistant bacteria within seconds by light activation**
A. Eichner, T. Maisch, A. Spaeth, A. Gollmer, B. Koenig, J. Regensburger, M. Berneburg, W. Baeumler; Regensburg
- O08 (P136) 08:40** **Leukotriene B4/BLT1 act as gatekeeper of neutrophil recruitment into the skin in autoantibody-induced skin inflammation**
T. Sezin, M. Pieper, P. Koenig, K. Kalies, H. Iwata, D. Zillikens, R. Ludwig, C. Sadik; Luebeck
- O09 (P049) 08:50** **Cytokine mediated induction of mTORC1 signaling prevents proper differentiation of keratinocytes and contributes to the pathogenesis of psoriasis**
V. Lang, A. Eiser, B. Malisiewicz, S. Diehl, K. Steinhorst, W. Boehncke, C. Buerger; Frankfurt a.M., Geneva
- O10 (P182) 09:00** **Do abnormal interactions between perifollicular mast cells and CD8+ T-cells contribute to the pathogenesis of alopecia areata?**
M. Bertolini, F. Zilio, A. Rossi, P. Kleditzsch, V. Emelianov, A. Gilhar, A. Keren, K. Meyer, E. Wang, K. McElwee, R. Paus; Luebeck, Rom, Haifa, Vancouver, Manchester, Muenster
- O11 (P222) 09:10** **Downregulation of miR-15b is associated with increased sirtuin 4 (SIRT4) expression in premature fibroblast senescence in-vitro and photoaging of human skin in-vivo**
S. Grether-Beck, F. Kuck, M. Singh, H. Brenden, I. Felsner, N. Graffmann, M. Schneider, A. Lindecke, H. Ezzahoini, S. Weinhold, S. Schmidt, K. Koehrer, M. Urberg, A. Marini, R. Piekorz, J. Krutmann; Duesseldorf
- O12 (P110) 09:20** **Intra-individual genome expression analysis reveals a specific molecular signature of psoriasis and eczema**
M. Quaranta, B. Knapp, F. Theis, J. Ring, C. Schmidt-Weber, S. Eyerich, K. Eyerich; Munich

09:30-10:30**Poster walks and break*****We thank Janssen-Cilag GmbH and Biogen Idec GmbH for their support.***

Adaptive Immunity (R. Eming)

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Cellular Biology (A. Sindrilaru)

Clinical Research (K. Ghoreschi)

Dermato-Endocrinology (E. Peters)

Epidemiology and Genetics
(S. Weidinger)

Infectious diseases (C. Sunderkoetter)

Innate Immunity (J. Harder)

Mast cells and Basophils (F. Siebenhaar)

Psoriasis (D. Thaci)

Tumor Biology (T. Sinnberg)

Tumor Immunology (J. Landsberg)

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Friday, March 14, 2014

10:30-11:10

GUENTER GOERZ MEMORIAL LECTURE

J. Ring, Munich

From pathophysiological understanding to patient-management and finally self management

Introduction: S. Eming, Cologne

11:10-11:25

ADF Awards II

(Short presentations of awardees)

7th ADF/DSD Research Grant

S. Eming, R. Kaufmann

11:25-12:25

Oral Presentations III

Chairs: D. Zillikens, R. Sabat

**O13
(P065)**

11:25

Treatment of IL-23-dependent autoimmune disease by RNAi targeting dendritic cells

J. Brueck, S. Pascolo, C. Kellerer, K. Fuchs, I. Glocova, J. Geisel, K. Dengler, A. Yazdi, M. Roecken, K. Ghoreschi; Tuebingen, Zurich

**O14
(P002)**

11:35

Activated regulatory T cells strongly inhibit allergen-induced colitis in a PBMC-engrafted murine model of allergy

M. Eschborn, B. Weigmann, S. Reissig, A. Waisman, J. Saloga, I. Bellinghausen; Mainz, Erlangen

**O15
(P176)**

11:45

Insulin/IGF-1 signaling in myeloid cells coordinates skin inflammation

J. Kneuver, S. Willenborg, C. Niessen, J. Bruening, S. Eming; Cologne

**O16
(P261)**

11:55

cFLIP isoforms differentially regulate CD95L-mediated cell death and Ripoptosome formation in melanoma

P. Geserick, J. Wang, M. Badawi, M. Leverkus; Mannheim

**O17
(P263)**

12:05

Melanoma cell function regulated by VCAM-1 presented on tunable nano-structured surfaces

K. Amschler, E. Kossmann, L. Erpenbeck, J. Spatz, S. Kruss, M. Schoen; Goettingen, Stuttgart

**O18
(P026)**

12:15

Role of NADH-dehydrogenase subunit 2 mutation in fibroblast ageing

M. Schauer, T. Kotteck, S. Ibrahim, M. Kunz; Leipzig, Luebeck

Friday, March 14, 2014

12:25-13:25 POSTER SESSION (all even poster numbers)

Snacks and drinks at posters

13:25-14:25 POSTER SESSION (all odd poster numbers)

Snacks and drinks at posters

13:00-13:45 Meet the DFG Experts

(K. Hartig and members from the DFG-review board)
Hörsaal 3

14:25-15:25 Oral Presentations IV

Chairs: C. Guenther, J. Krutmann

**O19
(P115)** **14:25**

Reasons for the different frequencies of cutaneous viral infections in atopic dermatitis and psoriasis

K. Wolk, K. Witte, E. Witte, M. Raftery, G. Kokolakis, K. Warszawska, S. Kirsch, S. Philipp, G. Schoenrich, H. Volk, W. Sterry, R. Sabat; Berlin

**O20
(P018)** **14:35**

Suppression of neutrophil-mediated tissue damage - a novel skill of mesenchymal stem cells

D. Jiang, Y. Qi, A. Kuegler, A. Sindrilaru, J. de Vries, M. Saffarzadeh, J. Muschhammer, M. Wlaschek, M. Gatzka, K. Preissner, K. Scharffetter-Kochanek; Ulm, Giessen

**O21
(P194)** **14:45**

Altered tumor necrosis factor receptor signaling in keratinocytes triggers interleukin-24-dependent psoriasis-like skin inflammation in mice

S. Kumari, M. Bonnet, E. Witte, K. Wolk, G. Kollias, R. Sabat, M. Pasparakis, I. Haase; Cologne, Berlin, Vari

**O22
(P192)** **14:55**

Role of HLA class II susceptibility alleles in the T cell-driven pathogenesis of pemphigus.

T. Hennerici, J. Baecklund, R. Holmdahl, M. Hertl, R. Eming; Marburg, Stockholm

**O23
(P267)** **15:05**

Metastasis Suppressor 1 (MTSS1): a metastasis driver in a subset of human melanomas

K. Mertz, G. Pathria, C. Wagner, J. Saarikangas, A. Sboner, J. Romanov, M. Gschaider, F. Lenz, F. Neumann, W. Schreiner, M. Nemethova, A. Glassmann, P. Lappalainen, G. Stingl, J. Small, D. Fink, L. Chin, S. Wagner; Vienna, Helsinki, New York, Bonn, Houston, Liestal, Zurich

**O24
(P247)** **15:15**

Tumor-suppressive function of ASC dominates over inflammasome activation in human squamous cell carcinoma

K. Meier, K. Welsch, F. Eberle, S. Drexler, A. Yazdi; Tuebingen

15:25-15:45 Quo Vadis Lecture II

C. Has, Freiburg

The fragility code - unravelled?

Introduction: M. Boehm

Friday, March 14, 2014

15:45-16:00

ADF Awards III

(Short presentations of awardee)

Egon Macher Award*

S. Goerdts, K. Schaekel

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

16:00-16:30

Coffee break + Best of ADF Winter School 2014

16:30-17:30

GUEST LECTURE

Hergen Spits, Amsterdam (NL)

The spectrum of human innate lymphoid cells

Introduction/discussion: K. Schaekel

17:30-18:00

ADF Awards IV

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-open end

Skin Research Forum

A spectacular view from high above Cologne will welcome you in

KölnSky (www.koelnsky.com)

Ottoplatz 1, 50679 Köln

Take Tram No 9 (in front of Physikalisches Institut) direction Königsforst, exit at Stop Deutzer Freiheit, walk direction Ottoplatz

Saturday, March 15, 2014

09:00-10:00

Oral presentations V

Chairs: B. Schitteck, T. Schwarz

**O25
(P006)** **09:00**

Opposing role of IL-31 in human skin biology

K. Haenel, C. Cornelissen, P. Amann, Y. Marquardt, K. Czaja, J. Luescher-Firzlaff, B. Luescher, J. Baron; Aachen

**O26
(P211)** **09:10**

Intracellular TLR signalling in L. major-infected dendritic cells is responsible for the generation of protective immunity

S. Lopez Kostka, C. Wohn, K. Kautz-Neu, B. Schumak, B. Clausen, E. von Stebut-Borschitz; Mainz, Rotterdam, Bonn

**O27
(P107)** **09:20**

Cartilage oligomeric matrix protein contributes to the development of skin fibrosis

J. Schulz, P. Agarwal, A. Niehoff, W. Bloch, K. Blumbach, F. Zaucke, M. Koch, P. Angel, T. Krieg, B. Eckes; Cologne, Heidelberg

**O28
(P141)** **09:30**

ADV-specific γ/δ and CD8+ T cells generated by TCR-RNA electroporation for the treatment of adenovirus infection after allogeneic stem cell transplantation; new therapeutic possibilities

J. Doerrie, C. Hofmann, I. Mueller, V. Wellner, I. Knippertz, S. Schierer, S. Thomas, E. Zipperer, D. Printz, G. Fritsch, G. Schuler, N. Schaft, R. Geyeregger; Erlangen, Vienna, Regensburg, Los Angeles

**O29
(P050)** **09:40**

Nox4 is an intrinsic mediator of transforming growth factor-beta1-induced fibroblast activation and a target for the neuropeptide alpha-melanocyte-stimulating hormone

H. Dosoki, A. Stegemann, N. Weiss, T. A. Luger, M. Boehm; Muenster

**O30
(P125)** **09:50**

A common atopy-associated variant in the Th2 cytokine locus control region impacts transcriptional regulation and alters SMAD3 and SP1 binding

A. Kretschmer, G. Moeller, H. Prokisch, S. Eyerich, S. Wahl, K. Eyerich, S. Hauck, T. Illig, A. Peters, M. Waldenberger, J. Adamski, E. Reischl, S. Weidinger; Neuherberg, Munich, Hannover, Kiel

10:00-10:20

Quo Vadis Lecture III

V. Hornung, Bonn

A novel twist in DNA

Introduction: T. Tueting

10:20-11:05

POSTER SESSION (all even poster numbers)

11:05-11:50

POSTER SESSION (all odd poster numbers)

Saturday, March 15, 2014

11:50-12:50**Oral Presentations VI****Chairs: M. Fabri, B. Homey****O31
(P150) 11:50****Immune suppression in severe atopic dermatitis is mediated by myeloid derived suppressor cells**

Y. Skabytska, F. Woelbing, C. Guenther, M. Koeberle, S. Kaesler, E. Guenova, T. Volz, T. Biedermann; Tuebingen, Dresden, Zurich

**O32
(P196) 12:00****Diverse T cell responses characterize the different manifestations of cutaneous graft-versus-host disease**

M. Brueggen, I. Klein, H. Greinix, W. Bauer, Z. Kuzmina, W. Rabitsch, P. Kalhs, P. Petzelbauer, R. Knobler, G. Stingl, G. Stary; Vienna

**O33
(P250) 12:10****ADAM-9 deletion in an animal model with spontaneous melanoma development reduces lung metastases formation**

N. Moro, A. Schoenefuss, J. Landsberg, T. Tueting, C. Mauch, P. Zigrino; Cologne, Bonn

**O34
(O31) 12:20****Aging impacts the niche and key regulatory signaling pathways in skin stem cells**

S. Ghatak, W. Bloch, M. Loparic, J. Brinckmann, S. Wickstroem; Cologne, Basel, Luebeck

**O35
(P276) 12:30****Ultraviolet radiation-induced neutrophilic inflammation promotes angiotropism and metastasis in melanoma**

T. Bald, M. Rogava, J. Landsberg, N. Glodde, D. Lopez-Ramos, E. Gaffal, T. Tueting; Bonn

**O36
(P175) 12:40****Stabilization of cAMP switches the cytokine profile for T cell programming of slanDCs from Th1 towards Th17**

S. Oehrl, H. Prakash, A. Kunze, S. Meisel, A. Enk, K. Schaekel; Heidelberg, Hyderabad

12:50-13:20**POSTER AWARDS AND TRAVEL GRANTS*****Chairs: J. Brandner, M. Metz**

**The ADF thanks Almirall Hermal GmbH, ALK-Abelló Arzneimittel GmbH, head&shoulders, R&D Systems GmbH for their support.*

13:20**Acknowledgements, Farewell, End of Meeting**

T. Tueting

POSTER SESSIONS

All posters:	Thursday,	March 13,	18:10-22:00 Uhr
Even poster numbers:	Friday,	March 14,	12:25-13:25 Uhr
	Saturday,	March 15,	10:20-11:05 Uhr
Odd poster numbers:	Friday,	March 14,	13:25-14:25 Uhr
	Saturday,	March 15,	11:05-11:50 Uhr

Allergy

- P001** **Novel insights into mastocytosis-associated osteoporosis: Mast cells in indolent systemic mastocytosis produce bone cytokines**
A. Rabenhorst, B. Christopeit, S. Leja, A. Gerbaulet, S. Kleiner, A. Foerster, U. Raap, C. Wickenhauser, K. Hartmann; Cologne, Dresden, Hannover, Leipzig
- P002(O14)** **Activated regulatory T cells strongly inhibit allergen-induced colitis in a PBMC-engrafted murine model of allergy**
M. Eschborn, B. Weigmann, S. Reissig, A. Waisman, J. Saloga, I. Bellinghausen; Mainz, Erlangen
- P003** **Development, Validation and Initial Results of the Urticaria Control Test - a novel patient reported outcome instrument for assessing urticaria control**
K. Weller, A. Groffik, M. Church, T. Hawro, K. Krause, M. Metz, P. Martus, T. Casale, P. Staubach, M. Maurer; Berlin, Mainz, Tuebingen, Omaha
- P004** **Characterization of the effects of Omalizumab in "real life" difficult-to-treat chronic urticaria**
T. Ohanyan, M. Church, M. Metz, M. Maurer; Berlin
- P005(O02)** **A beneficial role for immunoglobulin E in host defense against honeybee venom**
T. Marichal, P. Starkl, L. Reber, J. Kalesnikoff, H. Oettgen, M. Tsai, M. Metz, S. Galli; Stanford, Boston, Berlin
- P006(O25)** **Opposing role of IL-31 in human skin biology**
K. Haenel, C. Cornelissen, P. Amann, Y. Marquardt, K. Czaja, J. Luescher-Firzlaff, B. Luescher, J. Baron; Aachen
- P007** **Effects of pollen-derived non-protein substances on the allergic immune response in vivo: roles of adenosine, PALMs and neuroreceptors**
S. Gilles, I. Beck, A. Chaker, M. McIntyre, L. Cifuentes, H. Bier, A. Petersen, J. Ring, H. Behrendt, C. Schmidt-Weber, C. Traidl-Hoffmann; Munich, Borstel
- P008** **Elevated specific IgE against MGL_1304 in sera of patients with atopic dermatitis and cholinergic urticaria**
M. Hiragun, T. Hiragun, K. Ishii, H. Suzuki, A. Tanaka, Y. Yanase, S. Mihara, Y. Haruta, N. Kohno, M. Hide; Hiroshima
- P009** **Differentiation of regulatory and memory T cells during wasp venom immunotherapy**
A. Kerstan, C. Hosp, J. Stoevesandt, M. Goebeler, A. Trautmann; Wuerzburg

- P010** **Allergen specific tolerance induction is independent of interleukin 10 signaling in T cells, B cells or neutrophils/monocytes**
A. Preuhsler, S. Kunz, W. Mueller, R. Jack, S. Martin, A. Roers, T. Jakob;
Freiburg, Manchester, Dresden, Greifswald
- P011** **Generalized phototoxic dermatitis due to ingestion of rue tea (Ruta graveolens L.)**
T. Tsimpaki, R. Schopf; Mainz
- P012** **A novel method to analyze activation and inhibition (i.e. IgE-dependent) of human mast cells: Generation of peripheral CD34+ stem cell-derived mast cells (PSCMCs)**
O. Schmetzer, P. Valentin, M. Maurer; Berlin
- P013** **Impaired intracellular granule biology: Basis of upregulated vigilance mechanisms in children with Atopic Dermatitis (AD) and/or Attention Deficit Hyperactivity Disorder (ADHD)**
W. Woelfer, K. Krauel, B. Bonnekoh, U. Roettger, H. Flechtner, H. Gollnick, A. Ambach;
Magdeburg
- P014** **Different roles for CD8-positive T cells in IgE-production of patients with extrinsic atopic dermatitis: Cell-cell contact dependent inhibition or augmentation in hyper-IgE-patients**
C. Leo, B. Bonnekoh, M. Hoefeld-Fegeler, M. Czarnecka, H. Gollnick, A. Ambach;
Magdeburg, Poznan
- P015** **Impact of specific immunotherapy with birch pollen extracts on basophils**
M. Rauber, C. Moebs, W. Pfuetzner; Marburg

Cellular Biology

- P016** **Signal transduction in response to mechanical stretch - impact of desmosomal structures and the keratin filament**
S. Kippenberger, J. Mueller, N. Zoeller, M. Hofmann, A. Bernd, R. Kaufmann,
M. Meissner; Frankfurt a.M.
- P017** **Characterization of the protease inhibitor SPINK7 in human skin**
C. Weber, J. Fischer, L. Redelfs, U. Meyer-Hoffert; Kiel
- P018(O20)** **Suppression of neutrophil-mediated tissue damage - a novel skill of mesenchymal stem cells**
D. Jiang, Y. Qi, A. Kuegler, A. Sindrilaru, J. de Vries, M. Saffarzadeh, J. Muschhammer,
M. Wlaschek, M. Gatzka, K. Preissner, K. Scharffetter-Kochanek; Ulm, Giessen
- P019** **Fetal human keratinocytes produce high amounts of antimicrobial peptides: Involvement of DNA-methylation processes.**
S. Zhong, M. Gschwandtner, A. Tschachler, S. Karner, A. Elbe-Buerger, M. Mildner;
Vienna, Peking
- P020** **Pigmentation survey: from monolayer to pigmented organotypic tissue cultured skin equivalents.**
N. Zoeller, M. Butting, M. Hofmann, S. Kippenberger, R. Kaufmann, A. Bernd;
Frankfurt a.M.

- P021** **Biodentine® a dentine substitute reduces cell viability as well as collagen Type I synthesis in pulpa fibroblasts.**
F. Nikfarjam, N. Zoeller, M. Butting, M. Hofmann, S. Kippenberger, R. Kaufmann, A. Bernd, D. Heidemann; Frankfurt a.M.
- P022** **Combination of low doses of curcumin with UVA or VIS induces apoptosis in head and neck squamous cell carcinoma cells.**
K. Beyer, N. Zoeller, M. Butting, M. Hofmann, S. Kippenberger, R. Kaufmann, A. Bernd, D. Heidemann; Frankfurt a.M.
- P023** **TRAF2 inhibits death receptor-induced apoptosis and necroptosis in keratinocytes**
I. Karl, M. Jossberger-Werner, N. Schmidt, S. Horn, S. Basse, M. Goebeler, M. Leverkus, H. Wajant, T. Giner; Wuerzburg, Mannheim
- P024** **3-dimensional poly(lactide-co-glycolide) scaffolds coated with modified extracellular matrices are functional growing substrates for dermal fibroblasts**
A. van der Smissen, P. Hoffmeister, R. Hoelzel, S. Moeller, M. Hacker, M. Schulz-Siegmund, U. Anderegg; Leipzig, Jena, Leipzig and Dresden
- P025** **Reversal of murine epidermal atrophy by topical modulation of calcium signaling**
B. Darbellay, L. Barnes, W. Boehncke, J. Saurat, G. Kaya; Geneva
- P026(O18)** **Role of NADH-dehydrogenase subunit 2 mutation in fibroblast ageing**
M. Schauer, T. Kottek, S. Ibrahim, M. Kunz; Leipzig, Luebeck
- P027** **Biocompatibility of aminocellulose in a co-culture model of human HaCaT keratinocytes and Candida albicans**
S. Finger, D. Winter, C. Wiegand, T. Liebert, T. Heinze, U. Hipler; Jena
- P028** **Hemocompatibility evaluation of functional biopolymers in vitro**
M. Zieger, M. Wurlitzer, C. Wiegand, K. Reddersen, P. Laudeley, T. Liebert, T. Heinze, U. Hipler; Jena
- P029** **Integrin-linked kinase regulates differentiation and carcinogenesis in the skin**
J. Morgner, S. Ghatak, S. Wickstroem; Cologne
- P030** **In situ aged human dermal fibroblasts exhibit secretome changes associated with spontaneous senescence**
J. Tigges, D. Waldera-Lupa, K. Stuehler, F. Khalfallah, F. Boege, K. Koerer, R. Denen, M. Boerries, H. Busch, S. Ohse, P. Boukamp, C. Goetz-Roesch, E. Fritsche, J. Krutmann; Duesseldorf, Freiburg, Heidelberg
- P031(O34)** **Ageing impacts the niche and key regulatory signaling pathways in skin stem cells**
S. Ghatak, W. Bloch, M. Loparic, J. Brinckmann, S. Wickstroem; Cologne, Basel, Luebeck
- P032** **Mammalian polarity proteins in skin homeostasis**
N. Ali; Cologne
- P033(O05)** **Thy-1 (CD 90) - a tumour suppressor on dermal fibroblasts?**
M. Schmidt, D. Gutknecht, J. Simon, B. Eckes, U. Anderegg, A. Saalbach; Leipzig, Cologne

- P034** **Growth factors and cytokines are regulated by non-thermal atmospheric pressure plasma**
A. Barton, S. Hasse, L. Bundscherer, K. Wende, K. Weltmann, U. Lindequist, K. Masur; Greifswald
- P035** **The initiator caspase-10 protects from death receptor-induced cell death**
S. Horn, M. Feoktistova, M. Sprick, M. Leverkus; Mannheim, Heidelberg
- P036** **Cutaneous hemorrhage during thrombocytopenia depends on neutrophil extravasation into the inflamed skin**
C. Hillgruber, B. Poepplmann, C. Weishaupt, W. Berdel, T. Goerge; Muenster
- P037** **Deletion of keratin K2 causes aberrant aggregation of K10, hyperkeratosis and skin inflammation**
H. Fischer, L. Langbein, J. Reichelt, S. Praetzel-Wunder, M. Buchberger, M. Ghannadan, E. Tschachler, L. Eckhart; Vienna, Heidelberg, Newcastle upon Tyne
- P038** **Production of reactive oxygen species and toxic effects of silver nanoparticles towards the human keratinocyte cell line HaCaT**
S. Ahlberg, M. Meinke, L. Werner, M. Epple, J. Diendorf, J. Lademann, U. Blume-Peytavi, A. Vogt, F. Rancan; Berlin, Duisburg-Essen
- P039(O03)** **The role of Mcl-1 and Bcl-xL in homeostasis and function of murine mast cells**
A. Foerster, A. Rabenhorst, P. Bouillet, A. Strasser, Y. He, A. Roers, K. Hartmann; Cologne, Parkville, Victoria, Durham, Dresden
- P040** **What more do we want out of hair and from whom?**
H. Li, M. Schneider, J. Michler, A. Lohrenz, M. Wilhelm, K. Rabe, H. Plaue, M. Hacker, M. Szardenings, J. Simon, V. Savkovic; Leipzig
- P041** **Alteration of epidermal calcium gradient is a key event in eczema formation**
C. Boernchen, K. Rose, S. Vidal-y-Sy, E. Peters, V. Failla, A. Daubmann, M. Behne, I. Moll, J. Brandner; Hamburg, Giessen, Berlin
- P042** **Positive effect of Myrtle oil solution on keratinocyte barrier function**
A. Kariman, P. Houdek, M. Zorn-Kruppa, M. Roudsari, F. Mojab, G. Kolios, S. Grzybowski, I. Moll, J. Brandner; Hamburg, Tehran
- P043** **Does mtDNA deletion accumulation lead to chronic inflammation during skin ageing?**
D. Weiland, O. Baris, R. Wiesner; Cologne
- P044** **Do antimicrobially active C-terminal filaggrin-2 peptides kill bacteria via DNA-binding?**
B. Hansmann, U. Gerstel, J. Schroeder; Kiel
- P045** **Mammalian C-terminal filaggrin-2 peptides are soil-bacteria-killing antimicrobial peptides**
K. Teders, B. Hansmann, J. Schroeder; Kiel
- P046** **N-terminal profilaggrin peptide fragments as contributors to the antimicrobial barrier of the skin**
K. Garske, B. Laudenschach, B. Hansmann, J. Bartels, J. Schroeder; Kiel
- P047** **Varying IL-8 responses in keratinocytes by clinical Pseudomonas aeruginosa isolates are associated with flagellin and rhamnolipid**
U. Gerstel, A. Zimmermann, J. Schroeder; Kiel

- P048** **A triterpene extract from the outer bark of the birch promotes wound healing under diabetic conditions**
C. Ueck, P. Houdek, A. Larena-Avellaneda, E. Wladykowski, I. Moll, J. Brandner; Hamburg
- P049(O09)** **Cytokine mediated induction of mTORC1 signaling prevents proper differentiation of keratinocytes and contributes to the pathogenesis of psoriasis**
V. Lang, A. Eiser, B. Malisiewicz, S. Diehl, K. Steinhorst, W. Boehncke, C. Buerger; Frankfurt a.M., Geneva
- P050(O29)** **Nox4 is an intrinsic mediator of transforming growth factor-beta1-induced fibroblast activation and a target for the neuropeptide alpha-melanocyte-stimulating hormone**
H. Dosoki, A. Stegemann, N. Weiss, T. A. Luger, M. Boehm; Muenster
- P051** **Superoxide anions induce IGF-1 resistance through concomitant activation of the key phosphatases PTP1B and PTEN in fibroblasts in vitro and in aged skin in vivo**
K. Singh, P. Maity, L. Krug, F. Ferchiu, N. Treiber, M. Wlaschek, K. Scharffetter-Kochanek; Ulm, Ulm
- P052** **Epidermal cFLIP regulates skin homeostasis and protects adult skin from TNF-induced keratinocyte apoptosis: Beneficial effect of TNF-R2-Fc**
D. Panayotova-Dimitrova, M. Feoktistova, M. Ploesser, B. Kellert, M. Hupe, S. Horn, R. Makarov, F. Jensen, S. Porubsky, A. Schmieder, A. Zenclussen, A. Marx, A. Kerstan, P. Geserick, Y. He, M. Leverkus; Mannheim, Magdeburg, Wuerzburg, Durham, Stockholm
- P053** **The adipokine vaspin - anti-inflammatory action on leukocytes**
A. Saalbach, J. Tremel, C. Schirmer, K. Schwede, E. Wandel, D. Herbert, J. Simon; Leipzig
- P054** **Classical cadherins control epidermal barrier function: regulation through actomyosin?**
M. Ruebsam, A. Mertz, C. Michels, B. Boggetti, C. Niessen; Cologne, New Haven
- P055** **Adhesion maturation of neutrophils on nanoscopically presented integrin ligands**
L. Erpenbeck, S. Kruss, K. Amschler, J. Spatz, M. Schoen; Goettingen, Stuttgart, Boston
- P056** **Desmosomes assembly: a classical cadherins-dependent process**
B. Boggetti, M. Ruebsam, J. Mels, C. Niessen; Cologne

Chemokines/Cytokines

- P057** **The aryl hydrocarbon receptor (AHR) cooperates with NF- κ B to induce IL-6 expression in UVB-exposed keratinocytes**
K. Frauenstein, C. Vogel, J. Krutmann, T. Haarmann-Stemann; Duesseldorf, Davis
- P058** **Epidermal CCL27 expression is regulated during skin development and keratinocyte differentiation**
M. Mildner, M. Prior, M. Gschwandtner, C. Schuster, E. Tschachler, A. Elbe-Buerger; Vienna

- P059** **Human dermis-derived ABCB5-positive mesenchymal stem cells improve wound healing in a mouse model for chronic venous ulcers**
S. Vander Beken, D. Jiang, Y. Qi, J. de Vries, A. Kluth, E. Chatzikonstantinou, Y. Ziouta, C. Ganss, M. Wlaschek, K. Scharffetter-Kochanek; Ulm, Heidelberg
- P060** **Are RNA aptamers suitable therapeutic tools for topical treatment of inflammatory skin diseases?**
R. Doble, M. McDermott, O. Cesur, N. Stonehouse, M. Wittmann; Leeds, Bradford
- P061** **CCL7 (macrophage chemotactic protein-3, MCP-3) is upregulated in lesional psoriatic skin in a TNF-alpha dependent fashion**
P. Brunner, B. Reininger, I. Klein, F. Koszik, G. Stingl; Vienna
- P062** **Fibroblasts contribute to the increased expression of CXCL5 in human skin after UV exposure**
O. Reichert, D. Roggenkamp, L. Kolbe, F. Staeb, L. Terstegen, H. Wenck, G. Neufang; Hamburg
- P063** **The S100 "alarmin" psoriasin controls epidermal inflammasome activity and IL-1 β release in psoriasis**
S. Zwicker, E. Hattinger, D. Bureik, A. Batycka-Baran, A. Schmidt, S. Rothenfusser, T. Ruzicka, R. Wolf; Munich, Wroclaw
- P064** **The chemokine CXCL14 acts as a modulator of CMV dissemination**
J. Noffke, S. Nambiar, M. Fiedler, M. Schulte, R. Kubitza, S. Kellermann, U. Wiesner, S. Jeschke, A. Zimmermann, H. Hengel, B. Homey; Duesseldorf
- P065(O13)** **Treatment of IL-23-dependent autoimmune disease by RNAi targeting dendritic cells**
J. Brueck, S. Pascolo, C. Kellerer, K. Fuchs, I. Glocova, J. Geisel, K. Dengler, A. Yazdi, M. Roecken, K. Ghoreschi; Tuebingen, Zurich
- P066** **Induction of TNFAIP3 by Staphylococcus aureus in keratinocytes reduces Staphylococcus aureus-mediated IL-1 β and IL-17C induction**
M. Simanski, F. Rademacher, L. Schroeder, J. Harder; Kiel
- P067** **Identification of chemokine profile associated to melanoma metastasis.**
A. Soler, R. Loewe; Vienna
- P068** **Extracellular control of growth factor signalling by fibrillin microfibrils**
A. Zuk, A. Wohl, K. Scharnetzki, G. Sengle; Cologne

Clinical Research

- P069** **The single-chain anti-TNF-alpha antibody DLX105 induces a clinical response in psoriasis patients when administered intradermally**
P. Brunner, A. Tsianakas, C. Berger, G. Stingl, T. Luger, T. Jung; Vienna, Muenster, Zuerich
- P070** **The role of micro RNA 181a in cutaneous squamous cell carcinoma**
J. Neu, P. Dziunycz, S. Freiberger, G. Iotzova-Weiss, N. Bollag, K. Lefort, G. Dotto, G. Hofbauer; Zuerich, Lausanne

- P071 SSc-Overlap syndromes: a distinct clinical subgroup with significant differences in disease progression compared to ISSc and dSSc patients. Data of the German Network for Systemic Scleroderma (DNSS)**
P. Moinzadeh, E. Aberer, K. Ahmadi-Simab, N. Blank, J. Distler, G. Fierlbeck, E. Genth, C. Guenther, R. Hein, J. Henes, L. Herich, I. Herrgott, I. Koetter, A. Kreuter, T. Krieg, K. Kuhr, H. Lorenz, F. Meier, I. Melchers, H. Mensing, U. Mueller-Ladner, C.; Cologne, Graz, Hamburg, Heidelberg, Erlangen, Tuebingen, Aachen, Dresden, Munich, Muenster, Stuttgart, Oberhausen, Bad Nauheim, Freiburg, Ulm, Berlin, Bochum, Treuenbrietzen
- P072 Canakinumab treatment in Schnitzler's syndrome: a multi-center randomized placebo-controlled 4-month study**
K. Krause, K. Weller, M. Metz, M. Maurer; Berlin
- P073 Highly efficient and compatible hypertolerant shampoo**
C. Moser, F. Rippke, A. Schoelermann, D. Schweiger; Vienna, Hamburg
- P074 Differential influence of vemurafenib and dabrafenib on patient lymphocytes despite similar clinical efficacy in melanoma**
B. Schilling, W. Sondermann, F. Zhao, K. Griewank, E. Livingstone, A. Sucker, H. Zelba, B. Weide, U. Trefzer, T. Wilhelm, C. Loquai, C. Berking, J. Hassel, K. Kaehler, J. Utikal, P. Al Ghazal, R. Gutzmar, S. Goldinger, L. Zimmer, A. Paschen, U. Hillen, D. Schadendorf; Essen, Tuebingen, Berlin, Mainz, Munich, Heidelberg, Kiel, Mannheim, Hannover, Zuerich
- P075 Severe alterations of body image in patients with acne inversa**
A. Kurek, E. Peters, R. Sabat, W. Sterry, S. Schneider-Burrus; Berlin, Giessen
- P076 RAS mutations in BRAF inhibitor induced skin lesions**
J. Hassel, C. Hafner; Heidelberg, Regensburg
- P077 Deregulated type I-interferon response in TREX1-associated familial chilblain lupus**
F. Friebe, N. Zimmermann, T. Wahlicht, N. Berndt, H. Luksch, M. Lee-Kirsch, C. Guenther; Dresden
- P078 The cutaneous effects of afamelanotide, a novel synthetic alpha-MSH-analogue, in two clinical phase III trials for the treatment of erythropoietic protoporphyria**
E. Lang, U. Thierling, E. Wallaey, V. Kuerten, N. Neumann, S. Hanneken, A. Anstey, J. Frank; Duesseldorf, Newport
- P079 High-dose intravenous immunoglobulins - a therapeutic option in recalcitrant erosive oral lichen planus?**
C. Fix, V. Eubel, R. Eming, M. Hertl; Marburg

Dermato-Endocrinology

- P080 The xenobiotic receptor pregnane X receptor modulates migration and carcinogen metabolism in Langerhans cells.**
M. Schmuth, D. Ortner, F. Sparber, S. Ebner, A. Elentner, B. del Frari, P. Fernandez Salguero, S. Dubrac; Innsbruck, Badajoz
- P081 Co-culture of skin explants with SZ95 sebocytes: friends with benefits.**
G. Nikolakis, H. Seltmann, C. Zouboulis; Dessau

- P082** **Anti-inflammatory and anti-pruritic activity of an alkylamide from Echinacea purpurea in murine models of delayed-type hypersensitivity and atopic dermatitis**
M. Soeberdt, U. Knie, D. Metze, C. Abels; Bielefeld, Muenster
- P083** **Insulin resistance in microvascular dermal endothelial cells contributes to the pathogenesis of psoriasis and its co-morbidities**
K. Woth, S. Diehl, V. Lang, W. Boehncke, C. Buerger; Frankfurt a.M., Geneva
- P084** **Epidermal insulin resistance as a therapeutic target in acanthosis nigricans?**
B. Malisiewicz, S. Boehncke, V. Lang, W. Boehncke, C. Buerger; Frankfurt a.M., Geneva
- P085** **Impact of topical glucocorticoids on aromatase activity tested within a full-thickness skin model**
H. Sadegh Pour Saleh, N. Zoeller, M. Butting, R. Lauster, R. Kaufmann, S. Kippenberger, A. Bernd; Frankfurt a.M., Berlin
- P086** **Sebaceous gland-specific gene targeting in mice**
M. Dahlhoff, M. Schneider; Munich
- P087** **UV-induced impairment of differentiation homeostasis in human skin is prevented by melatonin**
K. Kleszczynski, D. Zillikens, T. Fischer; Luebeck
- P088** **Alpha-Melanocyte-stimulating hormone orchestrates an active anti-inflammatory activation pattern in human basophils of allergic rhinitis patients and controls**
S. Kleiner, G. Braunstahl, M. Gehring, B. Eiz-Vesper, T. Luger, A. Kapp, M. Boehm, U. Raap; Hannover, Rotterdam, Muenster
- P089** **Thyroid hormones regulate key parameters of mitochondrial biology in human skin epithelium in situ and may exert anti-aging effects**
S. Vidali, M. Giesen, A. Langton, R. Watson, M. Klinger, J. Knuever, W. Funk, B. Kofler, R. Paus; Luebeck, Duesseldorf, Manchester, Munich, Salzburg
- P090** **Characterization of the lipid droplet proteome of a sebaceous gland cell line**
M. Dahlhoff, T. Froehlich, G. Arnold, C. Zouboulis, M. Schneider; Munich, Dessau
- P091** **Tropisetron prevents experimentally induced lung fibrosis**
A. Stegemann, C. Albrecht, T. Luger, M. Boehm; Muenster, Duesseldorf
- P092** **Beta-endorphin - an emerging antifibrotic neuropeptide**
A. Stegemann, M. Apel, T. Luger, M. Boehm; Muenster
- P093** **A novel neuro-regulation of a key signaling pathway in human skin: VIP regulates intrafollicular c-Kit expression**
M. Baehr, M. Bertolini, M. Pretzlaff, F. Zilio, E. Lisztes, T. Biró, R. Paus; Luebeck, Debrecen, Manchester, Muenster
- P094** **Gender-specific medicine: Prevalence of dermatological disorders in hospitalized geriatric patients**
E. Makrantonaki, E. Steinhagen-Thiessen, C. Zouboulis, R. Eckardt; Dessau, Berlin
- P095** **Human intestinal fibroblasts are novel target cells for alpha-melanocyte-stimulating hormone - implications for the treatment of inflammatory and fibrotic diseases of the gut with melanocortin peptides and derivatives**
M. Boehm, A. Stegemann, M. Apel, T. Luger, P. Tepasse, D. Bettenworth; Muenster

- P096** **Alpha-melanocyte-stimulating hormone reduces bleomycin-mediated collagen synthesis in human dermal fibroblasts via catalase**
M. Boehm, M. Apel, T. Luger, A. Stegemann; Muenster
- P097** **KdPT, an alpha-melanocyte-stimulating hormone-related tripeptide derivative, protects human melanocytes against oxidative stress-induced cell injury**
M. Apel, A. Stegemann, T. Luger, M. Boehm; Muenster
- P098** **IGF-1 induces nuclear up-regulation of p-Akt and controls expression of nuclear transcription factor Forkhead box-O1 (FoxO1) levels in SZ95 sebocytes**
Y. Mirdamadi, A. Thielitz, A. Wiede, S. Quist, M. Lotzing, E. Papakonstantinou, L. Simeoni, C. Zouboulis, H. Gollnick; Magdeburg, Dessau
- P099** **Prolactin potently modulates sebaceous gland function in vitro**
E. Langan, E. Hinde, A. Hossini, G. Nikolakis, C. Zouboulis, V. Goffin, C. Griffiths, R. Paus; Luebeck, Manchester, Dessau, Paris
- P100** **A role for the non-neuronal cholinergic system in cutaneous inflammation and stress**
E. Peters, A. Michenko, J. Kupfer, W. Kummer, S. Wiegand, V. Niemeier, N. Potekaev, A. Lvov, U. Gieler; Berlin and Giessen, Moscow, Giessen
- P101** **The non-neuronal cholinergic system (NNCS) and cutaneous inflammation in a mouse model for atopic dermatitis-like allergic inflammation**
F. Rommel, S. Laux, B. Raghavan, U. Gieler, J. Kruse, E. Peters; Berlin/Giessen, Giessen
- P102** **Stress affects skin barrier function**
L. Ivanovas, F. Rommel, S. Tumala, S. Laux, J. Kruse, J. Brandner, E. Peters; Berlin/Giessen, Giessen, Hamburg

Dermatopathology

- P103** **Expression of the serine protease inhibitor of Kazal-type 9 in squamous cell carcinoma and actinic keratosis**
L. Redelfs, J. Fischer, C. Weber, U. Meyer-Hoffert; Kiel
- P104** **The role of Exportin-5 in miRNA processing in malignant melanoma**
C. Ott, G. Meister, A. Bosserhoff; Regensburg
- P105** **Melanoma inhibitory activity (MIA) plays a role in the induction of senescence in human melanocytes**
L. Honold, S. Schiffner, A. Bosserhoff; Regensburg
- P106** **In vivo confocal laser scanning microscopy: Diagnostic criteria for the differentiation of vesiculobullous skin disorders**
K. Samhaber, B. Brauns, L. Hofmann, C. Mitteldorf, C. Seitz, M. Schoen, H. Haenssle; Goettingen, Hildesheim
- P107(O27)** **Cartilage Oligomeric Matrix Protein contributes to the development of skin fibrosis**
J. Schulz, P. Agarwal, A. Niehoff, W. Bloch, K. Blumbach, F. Zaucke, M. Koch, P. Angel, T. Krieg, B. Eckes; Cologne, Heidelberg

- P108** **Cartilage Oligomeric Matrix Protein - an early determinant of skin elasticity**
 J. Schulz, S. Hayashi, A. Niehoff, W. Bloch, P. Agarwal, K. Blumbach, F. Zaucke, T. Krieg, B. Eckes; Cologne
- P109** **Role of CYLD in early melanoma development**
 M. de Jel, S. Kuphal, S. Schiffner, A. Bosserhoff; Regensburg
- P110(O12)** **Intra-individual genome expression analysis reveals a specific molecular signature of psoriasis and eczema**
 M. Quaranta, B. Knapp, F. Theis, J. Ring, C. Schmidt-Weber, S. Eyerich, K. Eyerich; Munich
- P111** **IL-36 γ is a highly specific marker for psoriasis skin lesions**
 A. D'Erme, T. Bieber, J. Wenzel; Bonn, Florence
- P112** **Immunohistochemical studies on hornerin in inflammatory skin diseases**
 D. Mercier, T. Latendorf, R. Foelster-Holst, J. Schroeder, U. Meyer-Hoffert; Kiel
- P113** **Mast cells enhance the antimicrobial potential of keratinocytes in response to *Pseudomonas aeruginosa***
 C. Sieber, D. Troeltzsch, F. Siebenhaar, M. Maurer; Berlin
- P114** **IL-19 is a novel component of the pathogenetic IL-23/IL-17 cascade in psoriasis**
 E. Witte, G. Kokolakis, K. Witte, S. Philipp, W. Doecke, N. Babel, B. Wittig, K. Warszawska, A. Kurek, M. Erdmann-Keding, S. Kunz, K. Asadullah, M. Kadin, H. Volk, W. Sterry, K. Wolk, R. Sabat; Berlin, Providence, Rhode Island
- P115(O19)** **Reasons for the different frequencies of cutaneous viral infections in atopic dermatitis and psoriasis**
 K. Wolk, K. Witte, E. Witte, M. Raftery, G. Kokolakis, K. Warszawska, S. Kirsch, S. Philipp, G. Schoenrich, H. Volk, W. Sterry, R. Sabat; Berlin

Epidemiology

- P116** **A pilot study on DNA methylation and RNA expression in diverse tissues reveals epigenetic changes in atopic dermatitis**
 E. Rodriguez, H. Baurecht, A. Wahn, A. Kleinschmidt, M. Hotze, S. Zeilinger, T. Illig, H. Prokisch, J. Harder, L. Cifuentes, N. Novak, S. Weidinger; Kiel, Munich, Neuherberg, Hannover, Bonn
- P117** **Chronic Pruritus in hemodialysis patients in Germany: prevalence and risk factors**
 M. Weiss, T. Mettang, U. Tschulena, S. Steppan, J. Passlick-Deetjen, E. Weisshaar; Heidelberg, Wiesbaden, Bad Homburg, Duesseldorf
- P118** **PCR-ELISA-based identification of dermatophytes isolated from the scalp of children with tinea capitis attending Mbarara Regional Referral Hospital in Uganda**
 C. Wiegand, P. Mugisha, G. Mulyowa, P. Elsner, U. Hipler, S. Uhrlass, P. Nenoff; Jena, Mbarara, Moelbis

- P119** **A prospective epidemiological study of infantile hemangioma in an Austrian tertiary referral center ("the Transdanubian Cohort")**
L. Haderer, B. Mayer, M. Skrobal, Y. Preiml, C. Wolber, B. Volc-Platzer; Vienna
- P120** **A genome-wide association study of atopic dermatitis identifies loci with overlapping effects on asthma and psoriasis**
S. Weidinger, S. Willis-Owen, Y. Kamatani, H. Baurecht, L. Liang, E. Rodriguez, N. Novak, M. Kabesch, M. Bradley, I. McLean, W. Cookson, A. Irvine, M. Moffatt;
Kiel, London, Paris, Boston, MA, Bonn, Regensburg, Stockholm, Dundee, Dublin
- P121** **Genome-wide comparative analysis of atopic eczema and psoriasis gives insight into disease mechanisms**
M. Hotze, H. Baurecht, E. Rodriguez, J. Elder, A. Franke, N. Novak, C. Gieger, K. Strauch, A. Irvine, M. Kabesch, I. McLean, Y. Lee, R. Trembath, S. Weidinger, S. Brown, H. Cordell; Kiel, Ann Arbor, Bonn, Neuherberg, Dublin, Regensburg, Dundee, Berlin, London, Newcastle
- P122** **Patients' preferences for the treatment of basal cell carcinomas: cure and cosmetics count**
I. Martin, M. Schaarschmidt, A. Schmieder, A. Glocker, R. Herr, S. Goerdts, W. Peitsch; Mannheim

Genetics

- P123** **A novel mouse model reveals the pivotal role of SNAP29 in epidermal differentiation**
S. Schiller, C. Seebode, G. Wieser, S. Goebbels, A. Bennemann, M. Schoen, E. Sprecher, K. Nave, S. Emmert; Goettingen, Tel Aviv
- P124** **An unusual mutation in the XPG gene leads to an internal in-frame deletion and a XP/CS complex phenotype**
J. Lehmann, S. Schubert, A. Schaefer, A. Apel, P. Laspe, S. Schiller, A. Ohlenbusch, A. Gratchev, S. Emmert; Goettingen, Mannheim
- P125(O30)** **A common atopy-associated variant in the Th2 cytokine locus control region impacts transcriptional regulation and alters SMAD3 and SP1 binding**
A. Kretschmer, G. Moeller, H. Prokisch, S. Eyerich, S. Wahl, K. Eyerich, S. Hauck, T. Illig, A. Peters, M. Waldenberger, J. Adamski, E. Reischl, S. Weidinger;
Neuherberg, Munich, Hannover, Kiel
- P126** **3exon replacement for COL17A1**
M. Reisenberger, P. Schlager, H. Hintner, J. Bauer, V. Wally; Salzburg
- P127** **Natural gene therapy in dystrophic epidermolysis bullosa**
D. Kiritsi, M. Garcia, R. Brander, M. Jonkman, M. del Rio, L. Bruckner-Tuderman, M. Pasmooij, C. Has; Freiburg, Madrid, Groningen
- P128** **The top skin-associated genes: A comparative analysis of human and mouse skin transcriptomes reveals significant differences in signaling and immunity**
P. Gerber, B. Buhren, H. Schrupf, A. Zlotnik, P. Hevezi, B. Homey; Duesseldorf, Irvine

- P129** **Genome-wide DNA methylation analysis of archival formalin-fixed paraffin-embedded tissue samples of squamous cell carcinoma**
 J. Gutwein, O. Ammerpohl, J. Holstein, K. Dengler, K. Meier, M. Roecken, K. Ghoreschi, A. Yazdi, R. Siebert, F. Eberle; Kiel, Tuebingen
- P130** **Palmoplantar pustular psoriasis and its genetic background**
 R. Moessner, Y. Frambach, A. Jacobi, M. Mueller, V. Oji, S. Philipp, R. Renner, M. Sticherling, H. Traupe, A. Weyergraf, D. Wilsmann-Theis, U. Hueffmeier; Goettingen, Luebeck, Hamburg, Muenster, Berlin, Erlangen, Bad Bentheim, Bonn
- P131** **Compound heterozygosity for mutations in the coproporphyrinogen oxidase gene is associated with childhood-onset of severe blistering photosensitivity**
 E. Wallaey, S. Hanneken, N. Neumann, J. Frank; Duesseldorf

Immunology

- P132** **Dimethyl fumarate ameliorates psoriasiform dermatitis in the CD18hypo PL/J mouse model via combined effect on Treg/Th17 and gammadelta T cell plasticity**
 M. Gatzka, K. Singh, L. Borkner, A. Hainzl, T. Peters, M. Neureither, M. Wlaschek, K. Scharffetter-Kochanek; Ulm, Braunschweig, Ismaning
- P133** **Molecules associated with T regulatory cell function are highly expressed on melanoma: Novel targets for immunotherapeutic strategies**
 S. Hahn, A. Hoyeremann, H. Jonuleit, A. Tuettenberg; Mainz
- P134** **FcRIIB, FcRIII, and FcRIV mediate tissue destruction in experimental bullous pemphigoid**
 F. Schulze, T. Beckmann, F. Nimmerjahn, K. Kalies, A. Ishiko, M. Collin, J. Westermann, J. Koehl, R. Ludwig, D. Zillikens, S. Groth, E. Schmidt; Luebeck, Erlangen, Tokyo, Lund
- P135** **Tolerogenic human IL-10-modulated dendritic cells: mature CD83^{high} and immature CD83^{low} DC subpopulations are inducers of potent regulatory T cells**
 F. Kryczanowsky, E. Graulich, K. Rost, K. Steinbrink; Mainz
- P136(O08)** **Leukotriene B4/BLT1 act as gatekeeper of neutrophil recruitment into the skin in autoantibody-induced skin inflammation**
 T. Sezin, M. Pieper, P. Koenig, K. Kalies, H. Iwata, D. Zillikens, R. Ludwig, C. Sadik; Luebeck
- P137** **MPI-2 cells, a new model for tissue type macrophages**
 M. Wegner, P. Engelhard, C. Galanos, A. Prasse, T. Jakob, S. Martin, G. Fejer, M. Freudenberg; Freiburg, Plymouth
- P138** **Recombinant human IgA1 and IgA2 autoantibodies to type VII collagen induce subepidermal blistering ex vivo**
 A. Recke, L. Trog, H. Pas, M. Jonkman, G. van Zandbergen, C. Kauderer, D. Zillikens, G. Vidarsson, R. Ludwig; Luebeck, Groningen, Langen, Amsterdam
- P139** **Regulatory T cell - deficient scurfy mice develop systemic lupus-like disease**
 E. Hadaschik, X. Wei, H. Leiss, B. Heckmann, B. Niederreiter, G. Steiner, W. Ulrich, A. Enk, J. Smolen, H. Stummvoll; Heidelberg, Vienna

- P140** **Langerhans cells with selective deficiency of manganese superoxide dismutase have features of LC in aged skin**
 J. Scheuermann, C. Weber, D. Frenzel, K. Scharffetter-Kochanek, D. Kaplan, J. Weiss; Ulm, Minneapolis
- P141(O28)** **ADV-specific / and CD8+ T cells generated by TCR-RNA electroporation for the treatment of adenovirus infection after allogeneic stem cell transplantation new therapeutic possibilities**
 J. Doerrie, C. Hofmann, I. Mueller, V. Wellner, I. Knippertz, S. Schierer, S. Thomas, E. Zipperer, D. Printz, G. Fritsch, G. Schuler, N. Schaft, R. Geyeregger; Erlangen, Vienna, Regensburg, Los Angeles
- P142** **Merkel Cell Carcinoma as a model for immunotherapy of virally induced cancer by vaccination against the large T antigen**
 S. Boehm, K. Gerer, B. Schuler-Thurner, G. Schuler, J. Doerrie, N. Schaft; Erlangen
- P143** **Transfection of mRNA into human mature DC does not change their transcriptional program**
 I. Pfeiffer, S. Boehm, S. Prommersberger, S. Hoefflin, L. Beltrame, D. Cavalieri, G. Schuler, N. Schaft, J. Doerrie; Erlangen, Milano, S. Michele all'Adige
- P144** **Tumor infiltrating B-cells in primary cutaneous T-cell lymphoma correlate with disease progression and might represent a novel target for immunotherapy**
 S. Theurich, M. Schlaak, H. Steguweit, L. Heukamp, K. Wennhold, P. Kurschat, A. Rabenhorst, K. Hartmann, A. Shimabukuro-Vornhagen, H. Schloesser, U. Holtick, M. Hallek, R. Stadler, M. von Bergwelt-Baildon; Cologne, Minden
- P145** **The influence of binding affinity and receptor density of chimeric antigen receptors on target-cell recognition after transfer by RNA electroporation**
 C. Krug, B. Saenger, M. Chmielewski, K. Birkholz, M. Schwenkert, G. Fey, G. Schuler, H. Abken, J. Doerrie, N. Schaft; Erlangen, Cologne
- P146** **IFN- inhibits human FOXP3+ regulatory T cells through ERK-and PDE4-dependent cAMP repression**
 V. Raker, N. Bacher, C. Hofmann, E. Graulich, M. Schwenk, R. Baumgrass, T. Bopp, U. Zechner, L. Merten, C. Becker, K. Steinbrink; Mainz, Berlin
- P147** **The Phagocyte NADPH Oxidase NOX2 Controls Physiological Wound Healing**
 A. Kuegler, S. Schatz, S. Vander Beken, B. DeGeest, C. Hauser, A. Rueck, P. Hawkins, K. Scharffetter-Kochanek, A. Sindrilaru; Ulm, Ghent, Cambridge
- P148** **Thymic Stromal Lymphopoietin (TSLP) function as a potential differentiation factor is upregulated to bias strong Th2-polarization in Scurfy inflamed skin and lung**
 X. Wei, B. Heckmann, A. Enk, E. Hadaschik; Heidelberg
- P149** **Diabetes mellitus type I protects from allergic contact dermatitis in mice**
 T. Schmidt, V. Raker, N. Lorenz, K. Steinbrink; Mainz
- P150(O31)** **Immune suppression in severe atopic dermatitis is mediated by myeloid derived suppressor cells**
 Y. Skabytska, F. Woelbing, C. Guenther, M. Koeberle, S. Kaesler, E. Guenova, T. Volz, T. Biedermann; Tuebingen, Dresden, Zurich

- P151** **Sulfated fragments of hyaluronan suppress inflammatory macrophage activation**
 S. Franz, I. Forstreuter, J. Haiduk, S. Moeller, N. Lohmann, J. Simon;
 Leipzig, Jena, Leipzig/Dresden
- P152** **Passive transfer of type VII collagen-specific autoantibodies into mice induces not only skin lesions but also germinal centers**
 S. Maass, E. Hauenschild, R. Ludwig, D. Zillikens, J. Westermann, K. Kalies; Luebeck
- P153** **Calcineurin-dependent NFAT signaling is critical for anergy induction in regulatory T cells generated by human tolerogenic dendritic cells**
 M. Domogalla, F. Kryczanowsky, K. Steinbrink; Mainz
- P154** **Nanoparticulate targeting of tolerance inducing macrophages, DC and myeloid suppressor cells - new strategies for therapeutic approaches in immune-mediated diseases**
 M. Weilbaecher, A. Prestel, L. Kaps, D. Bamberger, B. Kang, S. Tomcin, G. Baier, P. Wich, V. Mailaender, K. Landfester, D. Schuppan, A. Tuettgenberg; Mainz
- P155** **Activation of kappa-opioid receptor signaling ameliorates ongoing inflammation in the skin and the gut**
 N. Sucker, A. Luediger, M. Soeberdt, C. Abels, T. Luger, K. Loser; Muenster, Bielefeld
- P156** **Targeting the production of TNF-alpha, IL-6, IL-1beta and IL-12/23 of slan (6-sulfoLacNAc) dendritic cells has differential effects on innate and adaptive immune functions**
 U. Foerster, K. Schaekel; Heidelberg
- P157(O04)** **Visualization of autoantibodies and neutrophils in vivo identifies novel checkpoints in autoantibody-induced tissue injury**
 H. Iwata, M. Piper, D. Zillikens, P. Koenig, R. Ludwig; Luebeck
- P158** **Proliferating Langerhans cells lead to reduction of neutrophils in chronic psoriatic inflammation**
 D. Terhorst, F. Beaudimont, S. Tamoutounour, M. Bajnoff, S. Henri, B. Malissen; Marseille, Berlin
- P159** **The AhR-agonist 4-n-nonylphenol exerts immunosuppressive features by primarily modulating dendritic cells**
 A. Bruhs, J. Krutmann, T. Schwarz, A. Schwarz; Kiel, Duesseldorf
- P160** **Interleukin-33 promotes proliferation of mouse mast cells through ST2/MyD88 and p38 MAPK-dependent pathway.**
 R. Saluja, V. Gimenez, J. Eberle, M. Maurer; Berlin
- P161** **Specific targeting of murine and human CD4+CD25+ T cells using IL-2 functionalized nanocapsules in vitro and in vivo**
 S. Frick, G. Baier, V. Mailaender, K. Landfester, K. Steinbrink; Mainz
- P162** **Immune complexes as "adhesion molecules" for inflammatory slanDCs**
 T. Doebel, A. Lonsdorf, A. Enk, K. Schaekel; Heidelberg
- P163** **Specific inhibition of p38-MAPK signaling suppresses experimental arthritis and inflammation induced hypoxia**
 P. Guenthoer, K. Fuchs, D. Lamparter, G. Reischl, S. Aidone, M. Koenig, S. Laufer, M. Roecken, B. Pichler, M. Kneilling; Tuebingen

- P164** **Functions of MyD88 signaling in a mouse model of atopic dermatitis**
S. Didovic, F. Opitz, B. Holzmann, I. Foerster, H. Weighardt; Duesseldorf, Bonn, Munich
- P165** **Consecutive actions of Adaptin 2 and Casein kinase II regulate the intracellular trafficking of the dendritic cell antigen receptor DEC205 to and from antigen presenting compartments**
R. Koch, A. Enk, K. Mahnke; Heidelberg
- P166** **Breakdown of extracellular ATP by CD39+ Treg to adenosine induces migration of dendritic cells via their adenosine A2A receptor**
S. Ring, A. Pushkarevskaya, A. Enk, K. Mahnke; Heidelberg
- P167** **Enhanced contact hypersensitivity reactions in CD73 deficient mice: Role of migratory skin dendritic cells**
A. Pushkarevskaya, K. Mahnke, A. Enk, S. Ring; Heidelberg
- P168** **Characterization of dendritic cell subtypes in human melanoma and non-melanoma skin cancer**
C. Tripp, V. Nguyen, D. Heiser, B. del Frari, P. Stoitzner, N. Romani; Innsbruck
- P169** **The role of langerin-positive skin dendritic cells in skin carcinogenesis**
D. Ortner, C. Tripp, N. Amberg, M. Sibilica, B. Clausen, P. Stoitzner; Innsbruck, Vienna, Mainz
- P170** **OX40/OX40 ligand signaling enhances contact allergy by down-regulating the suppressive activity of Treg resulting in increased numbers of Th9 and mast cells**
L. Klenner, N. Sucker, C. Buerger, T. Luger, S. Beissert, K. Loser; Muenster, Dresden
- P171** **GM-CSF and Glucocorticoids synergistically enhance retinoic acid production in monocytes with subsequent consequences for T cell fate.**
A. Brockhausen, T. Weinhage, J. Daebritz, J. Ehrchen, D. Foell, C. Sunderkoetter, G. Varga; Muenster, Melbourne
- P172** **Regulation of Pseudomonas aeruginosa-induced RNase 7 expression in keratinocytes**
F. Rademacher, L. Schroeder, M. Simanski, S. Walter, J. Harder; Kiel
- P173** **TLR2-ligands promote chronic atopic dermatitis inflammation based on IL-4-mediated suppression of IL-10**
S. Kaesler, T. Volz, Y. Skabytska, U. Hein, K. Chen, E. Guenova, M. Roecken, T. Biedermann; Tuebingen
- P174** **Fumaric acids inhibit the pro-inflammatory function of 6-sulfo Lac NAc (slan) dendritic cells**
M. Maas, A. Kunze, S. Oehrl, A. Enk, K. Schaekel; Heidelberg
- P175(O36)** **Stabilization of cAMP switches the cytokine profile for T cell programming of slanDCs from Th1 towards Th17**
S. Oehrl, H. Prakash, A. Kunze, S. Meisel, A. Enk, K. Schaekel; Heidelberg, Hyderabad
- P176(O15)** **Insulin/IGF-1 signaling in myeloid cells coordinates skin inflammation**
J. Knuever, S. Willenborg, C. Niessen, J. Bruening, S. Eming; Cologne
- P177** **Janus kinase-2 inhibition ablates autoantibody-induced tissue injury**
U. Samavedam, J. Scheuber, M. Seavey, D. Zillikens, R. Ludwig; Luebeck, West Chester

- P178 Additive effect of non-digestible oligosaccharides on lactic acid bacteria induced secretion of anti-inflammatory IL-10 by human monocyte derived dendritic cells**
S. Lehmann, J. Hiller, W. Back, J. van Bergenhenegouwen, J. Ring, H. Behrendt, C. Schmidt-Weber, L. Knippels, J. Garssen, C. Traidl-Hoffmann;
Munich, Weihenstephan, Utrecht
- P179 Association of autoantibody specificities, HLA alleles, and site of clinical involvement in patients with mucous membrane pemphigoid**
F. Schulze, A. Recke, S. Elfar, V. Krull, I. Koenig, D. Zillikens, J. Dart, S. Ibrahim, E. Schmidt; Luebeck, London
- P180 Investigation of autoimmune disease in humanized mice**
B. Trinschek, F. Luessi, C. Gross, J. Haas, B. Wildemann, F. Kurschus, T. Kuhlmann, F. Zipp, H. Wiendl, C. Becker, H. Jonuleit; Mainz, Muenster, Heidelberg
- P181 Routes of internalization for Melan-A/TAT fusion peptides differ considerably between human dendritic cells and other non-phagocytic cell types**
T. Buhl, A. Braun, S. Forkel, W. Moebius, L. van Werven, O. Jahn, N. Rezaei-Ghaleh, M. Zweckstetter, M. Mempel, M. Schoen, H. Haenssle; Goettingen
- P182(O10) Do abnormal interactions between perifollicular mast cells and CD8+ T-cells contribute to the pathogenesis of alopecia areata?**
M. Bertolini, F. Zilio, A. Rossi, P. Kleditzsch, V. Emelianov, A. Gilhar, A. Keren, K. Meyer, E. Wang, K. McElwee, R. Paus;
Luebeck, Rom, Haifa, Vancouver, BC, Manchester, Muenster
- P183 Efficient adoptive T cell therapy against melanoma in the absence of type I interferon system.**
D. Lopez-Ramos, T. Bald, T. Tueting; Bonn
- P184 Immune conditioning of the epithelial surface by skin microbiota enhances innate immune response towards pathogens**
B. Kraft, I. Wanke, Y. Skabytska, A. Peschel, T. Biedermann, B. Schitteck; Tuebingen
- P185 Processing of laminin alpha chains generates peptides involved in wound healing and host defense**
I. Senyuerek, W. Kempf, G. Klein, A. Maurer, H. Kalbacher, L. Schaefer, I. Wanke, C. Christ, S. Stevanovic, M. Schaller, P. Rousselle, C. Garbe, T. Biedermann, B. Schitteck; Tuebingen, Lyon
- P186 Epidermal EGFR regulates cutaneous inflammation, antimicrobial defense and barrier function**
P. Gerber, B. Buhren, B. Lichtenberger, H. Schrupf, M. Holcman, V. Smolle, E. Boelke, P. Ansari, C. Mackenzie, A. Wollenberg, A. Kislak, J. Fischer, K. Roeck, J. Harder, J. Schroeder, M. Sibilia, B. Homey; Duesseldorf, Vienna, Munich, Kiel
- P187 Laser-assisted intradermal delivery of Xcl1-specific fusion vaccines induces potent anti-tumor response**
D. Terhorst, E. Fossum, R. Cramer, B. Bogen, S. Henri, B. Malissen;
Marseille, Berlin, Oslo, Davos
- P188 RANK-RANKL-activated Langerhans cells control MHC class I-mediated anti-viral immunity during Herpes simplex infection**
L. Klenner, W. Hafezi, N. Sucker, B. Clausen, T. Luger, J. Kuehn, K. Loser;
Muenster, Mainz

- P189** **Neutrophil inhibitory factor (NIF) from *ancylostoma caninum* inhibits neutrophil activation by autoantibodies against human type VII collagen (EBA autoantigen)**
A. Kemmer, K. Bieber, C. Kauderer, D. Zillikens, A. Recke; Luebeck
- P190** **Generation of the monoclonal antibody DD3 and its unique specificity for a subset of human CD16+ monocytes/dendritic cells**
P. Woelbing, M. Maas, T. Doebel, S. Oehrl, A. Enk, M. Bachmann, K. Schaekel; Heidelberg, Dresden
- P191** **Tumour-derived monocytes change immune response in experimental leishmaniasis**
N. Nippe, A. Brockhausen, A. Tsianakas, N. Kran, J. Roth, G. Varga, J. Ehrchen, C. Sunderkoetter; Muenster
- P192(O22)** **Role of HLA class II susceptibility alleles in the T cell-driven pathogenesis of pemphigus.**
T. Hennerici, J. Baecklund, R. Holmdahl, M. Hertl, R. Eming; Marburg, Stockholm
- P193** **Lithium-Chloride induce interleukin 18 mRNA-expression and protein secretion in normal human epidermal keratinocytes**
M. Jaskolski, U. Mrowietz; Kiel
- P194(O21)** **Altered tumor necrosis factor receptor signaling in keratinocytes triggers interleukin-24-dependent psoriasis-like skin inflammation in mice**
S. Kumari, M. Bonnet, E. Witte, K. Wolk, G. Kollias, R. Sabat, M. Pasparakis, I. Haase; Cologne, Berlin, Vari
- P195** **Contribution of T cells to autoantibody-induced tissue damage**
K. Bieber, M. Witte, D. Zillikens, R. Ludwig; Luebeck
- P196(O32)** **Diverse T cell responses characterize the different manifestations of cutaneous graft-versus-host disease**
M. Brueggen, I. Klein, H. Greinix, W. Bauer, Z. Kuzmina, W. Rabitsch, P. Kalhs, P. Petzelbauer, R. Knobler, G. Stingl, G. Stary; Vienna
- P197** **Novel Th-cell subsets within the GM-CSF producers in humans**
K. Witte, E. Witte, M. Gonsior, A. Kurek, G. Alber, W. Sterry, H. Volk, K. Wolk, R. Sabat; Berlin, Leipzig
- P198** **Contribution of the Aryl hydrocarbon Receptor Repressor (AHRR) to extrinsic skin aging in vivo**
P. Jaeger, J. Krutmann, I. Foerster, H. Weighardt; Bonn, Duesseldorf
- P199** **Systematic analysis of immunological changes in psoriasis patients undergoing treatment with ustekinumab**
A. Geikowski, C. Zielinski; Berlin
- P200** **Mast cells possess several functional inflammasomes to respond to pathogen signaling with IL-1beta**
L. Kraas, K. Krause, E. Latz, M. Maurer; Berlin, Bonn
- P201** **Regulation of GM-CSF production by human T helper cells**
R. Noster, R. Riedel, M. Mashreghi, H. Radbruch, B. Grimbacher, T. Zuberbier, W. Sterry, J. Casanova, A. Radbruch, C. Zielinski; Berlin, New York, Freiburg

- P202** **Aged mice accumulate hyper-responsive autoreactive T cells and impaired hypo-responsive T cells characterized by specific phenotypes and ROS profiles as features of immunosenescence**
 S. Koellner, J. Scheuermann, S. Vander Beken, A. Sindrilaru, J. Weiss, K. Scharffetter-Kochanek, T. Peters; Ulm
- P203** **Glucocorticoids enhance anti-inflammatory and migratory capacities of murine monocyte.**
 M. Belz, N. Nippe, A. Brockhausen, G. Varga, V. Meyer, K. Barczyk, J. Roth, C. Sunderkoetter, J. Ehrchen; Muenster
- P204** **Reversible suppression of normal thymic output in patients with leukemic cutaneous T cell lymphoma**
 E. Guenova, R. Watanabe, A. Gehad, J. Teague, N. Adams, A. Dorosario, R. Glinert, D. Walsch, M. Tawa, J. Carter, K. Chaney, D. Fisher, C. Cutler, T. Kupper, R. Clark; Boston

Infectious Diseases

- P205** **Human sweat - the natural environment of the antimicrobial peptide Dermcidin**
 M. Burian, S. Guenther, A. Velic, K. Doerries, M. Lalk, B. Krismer, A. Peschel, B. Macek, B. Schitteck; Tuebingen, Greifswald
- P206** **Involvement of STAT1 signalling in Th17 and Th22 differentiation in patients with chronic mucocutaneous candidiasis**
 J. Hiller, R. Effner, A. Puel, S. Cypowyj, M. Schaller, B. Loegering, J. Buters, J. Ring, J. Casanova, C. Schmidt-Weber, C. Traidl-Hoffmann; Munich, Paris, New York, Tuebingen, Hamburg
- P207(O06)** **Von Willebrand Factor mediates the binding of Staphylococcus aureus to the endothelium upon physiological blood flow conditions**
 C. Gorzelanny, K. Pappelbaum, C. Bauer, S. Graessle, M. Laschke, M. Schorpp-Kistner, R. Schneppenheim, C. Weidenmaier, M. Bischoff, B. Sinha, S. Schneider; Mannheim, Homburg/Saar, Groningen, Tuebingen, Hamburg, Heidelberg
- P208** **Human vitamin D-dendritic cells regulate T cell-mediated cutaneous host defense**
 A. Sommer, M. Fabri; Cologne
- P209** **Utilization of a PMBC transfer model into immunodeficient mice to study human T cell responses against L. major infection**
 M. Fischer, B. Lorenz, E. von Stebut-Borschitz; Mainz
- P210** **Identification of new protein targets as potential vaccine candidates against Leishmania major parasites**
 A. Schermann, B. Lorenz, S. Tenzer, E. von Stebut-Borschitz; Mainz
- P211(O26)** **Intracellular TLR signalling in L. major-infected dendritic cells is responsible for the generation of protective immunity**
 S. Lopez Kostka, C. Wohn, K. Kautz-Neu, B. Schumak, B. Clausen, E. von Stebut-Borschitz; Mainz, Rotterdam, Bonn

- P212** **Differential contribution of Ly6-C and Ly6-G+ cells to disease outcome in experimental L. major infections**
B. Twelkmeyer, A. Mauer, K. Kautz-Neu, S. Dinges, B. Lorenz, E. von Stebut-Borschitz;
Mainz

Pharmacology

- P213** **Topical application of endocannabinoid modulators leads to reduction of epidermal proliferation and induction of differentiation in mouse skin**
C. Neumann, E. Proksch, M. Soeberdt, C. Abels; Kiel, Bielefeld
- P214** **Antimicrobial properties of sap obtained from fresh leaves of *Isatis tinctoria* determined by microplate laser nephelometry**
J. Hesse, C. Wiegand, P. Gasch, M. Gruen, N. Fankhaenel, R. Schleicher, M. Keiner,
U. Hipler; Jena, Mihla
- P215** **Dimethylfumarate and monomethylfumarate regulate indolamin 2,3-dioxygenase activity and expression in peripheral blood mononuclear cells**
S. Eminel, S. Dibbert, M. Rostami-Yazdi, U. Mrowietz; Kiel
- P216** **Wound healing studies with traditional Chinese herb 22 in an ex vivo porcine skin model**
J. Radtke, T. Friedemann, S. Schroeder, J. Brandner; Hamburg
- P217** **2-Methoxyestradiol impairs lymphangiogenesis through G2/M cell cycle arrest and apoptosis**
I. Hrgovic, M. Doll, A. Pinter, R. Kaufmann, M. Meissner; Frankfurt a.M.
- P218** **Anti-inflammatory activity of clotrimazole on TPA- and oxazolone-induced ear swelling in mice**
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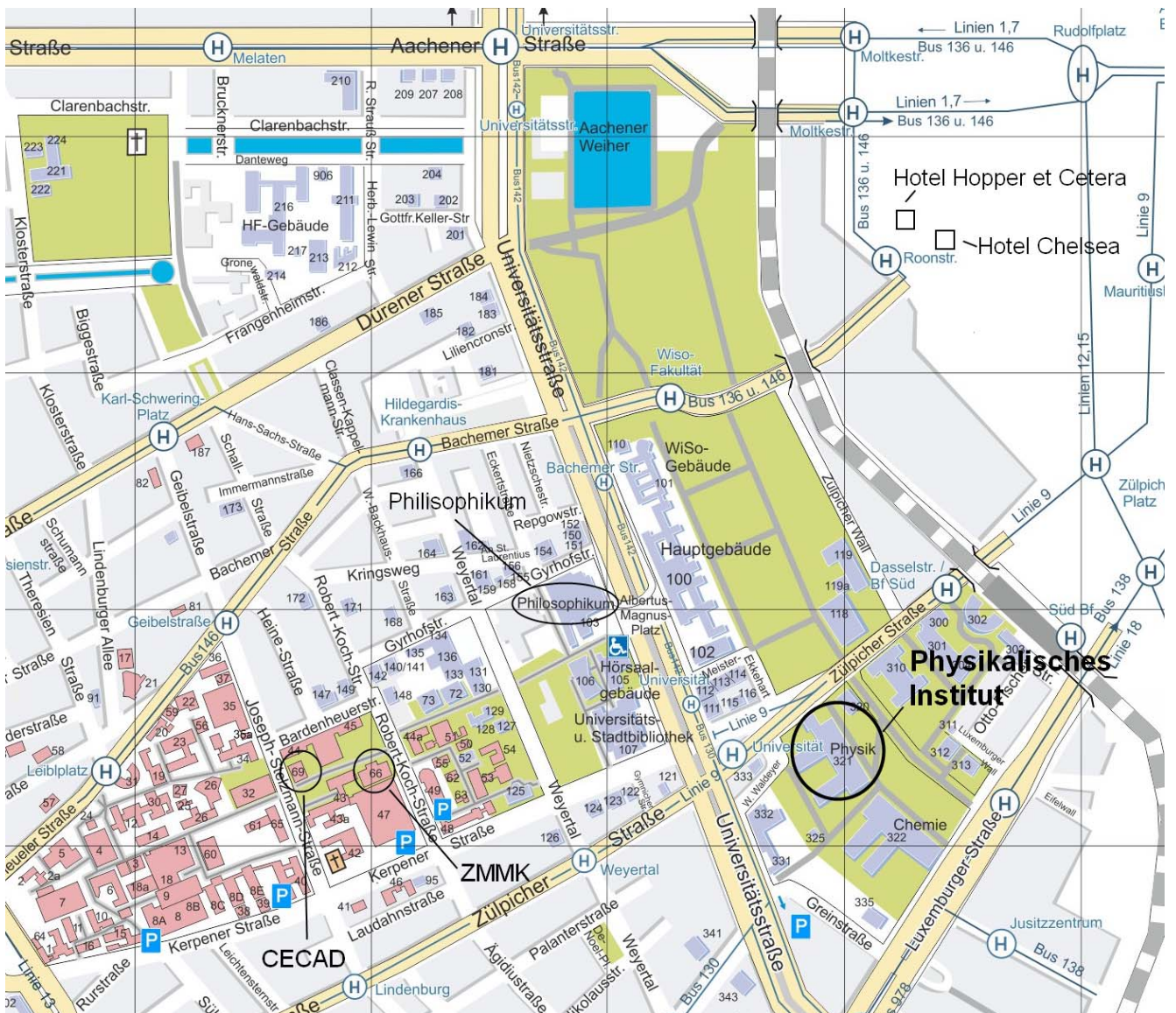
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Meeting venue:

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- CECAD, Joseph-Stelzmann-Str. 26, 50931 Köln, building 69
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