



**43rd Annual Meeting
of the
Arbeitsgemeinschaft
Dermatologische Forschung**

in collaboration with the
Deutsche Dermatologische Gesellschaft (DDG)

March 10-12, 2016
Vienna, Austria

by 22.02.2016

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

Meeting Venue

**Allgemeines Krankenhaus Wien, AKH, Hörsaal 1, Währinger Gürtel 18-20
A-1090 Vienna, Austria
<http://www.meduniwien.ac.at/dermatologie/kontaktlageplan>**

Prior to the meeting

**Conference phone: Tel: +43 1 58804 0
Conference fax: +43 1 58804 185**

During the meeting

Conference phone: +43 (0) 676 845 880 704

How to get there:

The Vienna General Hospital can easily be reached by either public or individual transport.

Arrival by car

800 parking slots at the underground car park AKH, entrance Innerer Währinger Gürtel

Arrival by public transport:

Subway U6 to station „Michelbeuern-AKH“ via passenger's bridge to the AKH main entrance.
Tram 5 and 33 station „Lazarettgasse“ in front of the AKH entrance „Spitalgasse 23“.

Arrival by airplane at Vienna Airport:

City Airport Train (CAT): The fastest link to the city centre - non-stop from/to Wien-Mitte station in 16 minutes.

CAT operates daily from 05.36 a.m. to 23.36 p.m. Price (single): € 11.00, Price (return): € 17.00
(www.cityairporttrain.com)

From airport to city centre by taxi appr. 35-40 € one way

For further information:

In-house orientation:

Entering from the main entrance (Level 5), please use the escalators near the entrance (blue sector of the building) to Level 7+8

Also see map on page 50 or <http://www.meduniwien.ac.at/dermatologie/kontaktlageplan>

Local Organisers

Ahmad Jalili, Georg Stary, Clara Castellucci, Georg Stingl

Universitätsklinik für Dermatologie, Medizinische Universität Wien

Allgemeines Krankenhaus Wien, Währinger Gürtel 18-20, A-1090 Wien, Österreich

General Organisation, Registration, Hotel, Travel, Networking Programme

Mondial Congress & Events, Mondial GmbH & Co. KG

Operngasse 20b, 1040 Wien, Österreich

Tel: +43 1 58804 0, Fax: +43 1 58804 185

E-Mail: adf2016@mondial-congress.com

MEETING ORGANISATION

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.

NEW: **A registration link for pre-registration will be provided in January 2016 by email and ADF website.**

Onsite registration will be possible as well, however, pre-registration is recommended to avoid waiting times.

Opening Hours of the Conference Bureau

Thursday, March 10, 2016	09:00-19:00
Friday, March 11, 2016	08:00-19:00
Saturday, March 12, 2016	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.

MEETING ORGANISATION

During the ADF Annual Meeting, the following working groups do meet as follows (by 15-01-2016):

Wednesday, March 09, 2016:

AG Dermato-Endokrinologie	09:30-18:00	HS 5, Ebene 7/8
AG Experimentelle Dermatooknologie	14:00-18:30	HS 3, Ebeen 7/8
AG Psoriasis	14:30-19:00	Kursraum 7, Ebene 7
AG Atopische Dermatitis + AG Hautbarriere	14:00-18:00	Seminarraum Ebene 17, Roter Bettenturm

Thursday, March 10, 2016:

AG Experimentelle Allergologie	09:00-12:45	Seminarraum Ebene 18, Roter Bettenturm
AG Autoimmunbulloese Dermatosen	09:00-13:00	Kursraum 22, Ebene 8
AG Psoriasis	09:30-13:00	Seminarraum Ebene 17, Roter Bettenturm
AG Dermatologische Genetik	09:30-13:00	Seminarraum Ebene 21, Roter Bettenturm
AG Pruritus	10:00-13:00	Kursraum 30, Ebene 8
AG Versorgungsforschung und Epidemiologie	10:00-13:00	Kursraum 21, Ebene 8

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 2016
(ADE-Forschungspreis 2016)
Prize: 1,500 €

About the 43. Annual Meeting of the Arbeitsgemeinschaft Dermatologische Forschung

Dear Colleagues and Friends,

We would like to warmly welcome you to the 43rd Annual Meeting of the Arbeitsgemeinschaft Dermatologische Forschung. This year, we have received 274 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 2017.

We are looking forward to this year's workshop, which is devoted to „*Skin Imaging - Beyond Histopathology*“. Additional highlights of this year's annual meeting are the *Guenter Goerz Memorial Lecture* and the *Guest Lecture*, which will be given by Leena Bruckner-Tuderman (Freiburg) and Yasmine Belkaid (Bethesda), 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 Vienna.

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

Thomas Tueting
President

Martin Metz
Secretary

Amir Yazdi
Treasurer

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

Experts for abstract review

U. Anderegg, Leipzig	R. Loewe, Vienna	B. Schilling, Essen
T. Bald, Bonn	K. Mahnke, Heidelberg	S. Schneider, Mannheim
C. Busch, Tuebingen	M. Meissner, Frankfurt/M.	F. Siebenhaar, Berlin
L. Erpenbeck, Goettingen	C. Niessen, Cologne	C. Weishaupt, Münster
M. Glatz, Zurich	W. Pfuetzner, Marburg	J. Weiss, Ulm
J. Kamenisch, Tuebingen	V. Raker, Mainz	K. Witte, Berlin
D. Kiritsi, Freiburg	M. Reiger, Augsburg	F. Woelbing, Munich
L. Klenner, Muenster	C. Sadik, Luebeck	A. Zink, Munich
J. Kloepper, Luebeck		

Poster committee 1 (even numbers)

B. Schilling, Essen

T. Bald, Bonn
F. Siebenhaar, Berlin
T. Sinnberg, Tuebingen
K. Steinbrink, Mainz
A. Zink, Munich

Poster committee 2 (odd numbers)

E. Tschachler, Vienna

N. Haass, Woolloongabba
S. Haferkamp, Regensburg
K. Hartmann, Luebeck
K. Mahnke, Heidelberg
K. Weishaupt, Muenster

Poster walks

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

Adaptive Immunity (J. Bauer)	Infectious Diseases (C. Sunderkoetter)
Allergy (W. Pfuetzner)	Innate Immunity (S. Martin)
Cellular Biology (P. Zigrino)	Mast cells and Basophils (F. Woelbing)
Clinical Research (A. Navarini)	Psoriasis (S. Gerdes)
Dermato-Endocrinology (M. Boehm)	Tumor Biology (H. Niessner)
Epidemiology and Genetics (K. Weller)	Tumor Immunology (P. Stoitzner)

We thank Janssen Cilag GmbH & Eli Lilly Ges.m.b.H. for the kind support.

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

Thursday, March 10, 2016

12:30-14:00 Poster mounting and registration

13:00-14:00 Lunch

14:00-14:10 Welcome Address
G. Stingl, T. Tueting

14:10-15:10 Oral Presentations I
Chairs: J. Kloepper, M. Schmuth

O01/01 14:10 Soluble GARP inhibits allergic inflammation in humanized mouse model by enhancing Treg function (P007)
 S. Hahn, H. Meyer-Martin, R. Buhl, H. Jonuleit, S. Reuter, A. Tuettenberg; Mainz

O01/02 14:20 NOD2 signaling critically influences sensitization to orally ingested allergens and severity of anaphylaxis (P006)
 T. Volz, F. Woelbing, F. Regler, S. Kaesler, T. Biedermann; Muenchen, Tuebingen

O01/03 14:30 9-cis-retinoic acid modulates dendritic cell differentiation to generate a Treg inducing phenotype – an important function of Osteopontin (P137)
 L. Kraus*, N. Scheurmann*, D. Frenzel, J. Weiss; Ulm

O01/04 14:40 CXCL16 enhances migratory properties of neutrophils in psoriasis (P046)
 S. Bach, S. Abraham, M. Herbig, S. Meisterfeld, K. Blau, N. Zimmermann, J. Guck, C. Guenther; Dresden

O01/05 14:50 Multiple hit immunotherapy of melanoma by generation of CD8+ T cells expressing two additional receptors (TETARs) (P161)
 U. Uslu, G. Schuler, J. Doerrie, N. Schaft; Erlangen

O01/06 15:00 ADAM17 is a psoriasis-relevant check-point controlling Th17-programming by inflammatory dermal dendritic cells (P134)
 A. Kunze, S. Oehrl, P. Beckhove, G. Murphy, A. Enk, K. Schaekel; Heidelberg, Cambridge

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

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

Thursday, March 10, 2016

15:20-15:40 Quo Vadis Lecture I - entfällt

Gedenken an Martin Leverkus, † 15.02.2016

15:40-16:10 Coffee break

16:10-18:10 WORKSHOP
Skin Imaging - Beyond Histopathology

Organisation/
Moderation:

A. Jalili, A. Yazdi

Wolfgang Weninger, Sydney

Real-time imaging of skin immune responses

Michael Sixt, Klosterneuburg

Molecular basis of immune cell migration in the interstitium

Giovanni Pellacani, Modena

Reflectance confocal microscopy for diagnosis of skin cancer: clinical evidence and practical tips

Raúl Catena, Zürich

Unveiling The Tissue Microenvironment using Imaging Mass Cytometry

With kind support from ÖGDV

18:10-21:00 POSTER SESSION AND NETWORKING

With snacks and drinks

Friday, March 11, 2016

08:30-09:30

Oral Presentations II

Chairs: M. Berneburg, T. Buhl

**002/01 08:30
(P175)**

A single CD8⁺-epitope as vaccine against murine cutaneous Leishmaniasis

K. Dietze-Schwonberg, S. Brosch, G. van Zandbergen, B. Grewe, H. Schild, S. Tenzer, E. von Stebut; Mainz, Langen

**002/02 08:40
(P029)**

TNF dependent apoptosis is the major but not the sole mechanism involved in the development of skin disease in cFLIP deficient mice

D. Panayotova-Dimitrova, M. Feoktistova, M. Ploesser, M. Leverkus; Aachen, Mannheim

**002/03 08:50
(P048)**

Deciphering the role of IL-36 in psoriasis

E. Witte, W. Doecke, M. Ramm, N. Schmidt, S. Jodl, H. Volk, W. Sterry, K. Wolk, R. Sabat; Berlin

**002/04 09:00
(P244)**

Impaired UV- induced angiogenic response in the skin of TNF-deficient mice

M. Sonneck, T. Bald, T. Tueting, E. Gaffal; Bonn

**002/05 09:10
(P169)**

Expression of CD39 by Treg mediates degradation of ATP, affecting shedding of CD62L and regulating contact hypersensitivity reactions

K. Mahnke, S. Ring, A. Pushkarevskaya, M. Schiller, A. Enk; Heidelberg

**002/06 09:20
(P150)**

Highly abundant T cell receptors are involved in the skin blistering disease Epidermolysis Bullosa Acquisita

M. Niebuhr, A. Faehnrich, S. Maass, R. Ludwig, J. Westermann, K. Kalies; Luebeck

09:30-10:00

POSTER SESSION (all even poster numbers)

10:00-10:30

POSTER SESSION (all odd poster numbers)

10:30-11:10

GUENTER GOERZ MEMORIAL LECTURE

L. Bruckner-Tuderman, Freiburg

Translational research on skin basement membrane – from disease mechanisms to therapies

Introduction: T. Tueting, Magdeburg

11:10-11:25

ADF Awards II

(Short presentations of awardees)

9th ADF/DSD Research Grant

T. Tueting, A. Enk

Friday, March 11, 2016

11:25-12:25

Oral Presentations III

Chairs: E. von Stebut-Borschitz, M. Kunz

- 003/01 11:25 (P233)** **TLR4 signaling is crucial for the α -MSH-mediated inhibition of MDSC expansion and tumor progression**
N. Sucker, C. Weishaupt, T. Vogl, J. Roth, T. Luger, K. Loser; Muenster
- 003/02 11:35 (P123)** **Terminally differentiated human dermal fibroblasts are equal to bone marrow multipotent mesenchymal stromal cells in regulating macrophage differentiation and activity in vitro and in reducing inflammation in an in vivo peritonitis model**
R. Ferrer, M. Gruenwedel, I. Forstreuter, J. Simon, S. Franz; Leipzig, Leipzig / Dresden
- 003/03 11:45 (P038)** **Classical cadherins control skin barrier function through polarized actin organization and junctional EGFR receptor localization and activation**
M. Ruebsam, A. Mertz, A. Kubo, B. Boggetti, E. Dufresne, V. Horsley, M. Amagai, C. Niessen; Cologne, New Haven, Tokyo
- 003/04 11:55 (P036)** **Disturbed protein homeostasis in Cockayne syndrome - a circulus vitiosus may cause premature aging**
M. Alupej, K. Scharffetter-Kochanek, S. Iben; Ulm
- 003/05 12:05 (P077)** **Genetic targeting of sebocytes reveals sebaceous lipids to be essential for water repulsion, thermoregulation, and the maintenance of ocular integrity in mice**
M. Dahlhoff, D. Riethmacher, M. Schneider; Munich, Astana
- 003/06 12:15 (P124)** **The alteration of the immunological landscape in a spontaneous melanoma mouse model.**
D. Mairhofer, A. Prokopi, C. Tripp, V. Flacher, K. Komenda, B. Clausen, S. Chen, P. Stoitzner; Innsbruck, Strasbourg, Mainz, Piscataway

12:25-13:25

Poster Walks

We thank Janssen-Cilag GmbH & Eli Lilly Ges.m.b.H for their support.

- | | |
|---------------------------------------|--|
| Adaptive Immunity (J. Bauer) | Infectious Diseases (C. Sunderkoetter) |
| Allergy (W. Pfuetzner) | Innate Immunity (S. Martin) |
| Cellular Biology (P. Zigrino) | Mast cells and Basophils (F. Woelbing) |
| Clinical Research (A. Navarini) | Psoriasis (S. Gerdes) |
| Dermato-Endocrinology (M. Boehm) | Tumor Biology (H. Niessner) |
| Epidemiology and Genetics (K. Weller) | Tumor Immunology (P. Stoitzner) |

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

Friday, March 11, 2016

13:25-14:25 Lunchbreak

14:25-15:25 Oral Presentations IV
Chairs: E. Gaffal, R. Eming

- 004/01 14:25 (P129) Novel insights in the link between type 2 innate signals and initiation of pro-fibrotic pathways**
 S. Willenborg, J. Knipper, J. Brinckmann, W. Bloch, T. Maass, R. Wagener, T. Krieg, T. Sutherland, A. Munitz, M. Rothenberg, A. Niehoff, R. Richardson, M. Hammerschmidt, J. Allen, S. Eming; Cologne, Luebeck, Edinburgh, Ramat Aviv, Cincinnati
- 004/02 14:35 (P111) Identification of a stable and migratory subset of tolerogenic IL-10 modulated human dendritic cells for optimized DC vaccination strategies**
 V. Raker, F. Kryczanowsky, E. Graulich, M. Domogalla, K. Steinbrink; Mainz
- 004/03 14:45 (P204) Histone H2A deubiquitinase 2A-DUB/Mysm1- a new epigenetic player in skin pigmentation and melanoma growth**
 I. Banik, C. Wilms, A. Hainzl, C. Kroeger, M. Wlaschek, K. Scharffetter-Kochanek, M. Gatzka; Ulm
- 004/04 14:55 (P152) Do tissue-resident macrophages in human skin derive from intradermal CD34+ progenitor cells?**
 J. Gherardini, Y. Uchida, J. Chéret, M. Alam, M. Bertolini, R. Paus; Muenster, Kagoshima, Manchester
- 004/05 15:05 (P078) Oxidative stress induces proopiomelanocortin expression independently of the tumor suppressor gene product p53 in human keratinocytes**
 M. Boehm, M. Apel, A. Stegemann, B. Ringelkamp; Muenster
- 004/06 15:15 (P034) Proteomic identification of autophagy substrates in cornifying keratinocytes**
 K. Jaeger, V. Mlitz, S. Zhong, S. Sukseree, H. Rossiter, R. Rice, E. Tschachler, L. Eckhart; Vienna, Davis, CA

15:25-15:45 Quo Vadis Lecture II
 S. W. Schneider, Mannheim
Platelets are forever
 Introduction: R. Ludwig

Friday, March 11, 2016

15:45-16:00

ADF Awards III

(Short presentations of awardee)

Egon Macher Award*

S. Goerdts, M. Metz

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

16:00-16:30

Coffee Break + Best of ADF Winter School 2016

16:30-17:30

GUEST LECTURE

Yasmine Belkaid, Bethesda (USA)

Role of the skin microbiota in immunity and inflammation

Introduction/discussion: M. Metz

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)

19:30-00:00

Skin Research Forum

In the beautiful Festsaal of the Vienna City Hall we will get together for networking and to remember the 43. ADF Annual Meeting and Vienna. We will have the dinner with generous support of Dr. Michael Häupl, mayor of Vienna and the Vienna City Council.

Festsaal of the Vienna City Hall (Rathaus)

(www.wien.gv.at/verwaltung/rathaus/fuehrung/online/festsaal.html)

Friedrich-Schmidt-Platz 1, 1010 Vienna

Stop "Rathaus" of the U2 underground, or tram lines D, 1, 2, 71

Use the entrance at Lichtenfelsgasse 2

Saturday, March 12, 2016

09:00-10:00

Oral presentations V

Chairs: A. Sindrilaru, K. Ghoreschi

**O05/01 09:00
(P207)**

Stat1-induced cancer cell senescence protects from metastases

E. Brenner, H. Braumueller, T. Wieder, K. Schilbach, S. Weidemann, V. Galinat, N. Simon, J. Bauer, M. Roeken; Tuebingen

**O05/02 09:10
(P005)**

Exacerbation of allergen-induced gut inflammation in humanized mice by nutritional wheat alpha-amylase/trypsin inhibitors

I. Bellinghausen, B. Weigmann, V. Zevallos, S. Reissig, A. Waisman, D. Schuppan, J. Saloga; Mainz, Erlangen

**O05/03 09:20
(P238)**

Tumor cell intrinsic TLR4 signaling promotes growth and metastasis in melanoma

M. Rogava, T. Bald, N. Shridhar, D. van den Boorn-Konijnenberg, J. Schmid-Burgk, V. Hornung, M. Hoelzel, T. Tueting; Bonn

**O05/04 09:30
(P154)**

NFATc1 promotes imiquimod-induced skin inflammation by negatively controlling IL-10 production in B cells

A. Kerstan, H. Alrefai, K. Muhammad, R. Rudolf, D. Pham, S. Klein-Hessling, A. Patra, A. Avots, V. Bukur, U. Sahin, S. Tenzer, M. Goebeler, E. Serfling; Wuerzburg, Mainz, Mansoura

**O05/05 09:40
(P126)**

Desmoglein 3 and bullous pemphigoid antigen 180 specific T cells in lichen planus exhibit a Th1/Th17 phenotype

T. Schmidt, R. Stein, I. Stulberg, V. Eubel, R. Eming, M. Hertl; Marburg

**O05/06 09:50
(P185)**

Beta-defensin 14 deficiency in mice leads delay in skin permeability barrier repair, but doesn't influence infection rate with Staphylococcus aureus

E. Proksch, C. Neumann, C. Walker, W. Mueller, J. Harder, N. Graumann; Kiel, Manchester

10:00-10:20

Quo Vadis Lecture III

T. Sparwasser, Hannover

A quantum of fat ... in immune cell differentiation

Introduction: K. Loser

10:20-11:05

POSTER SESSION (all even poster numbers)

11:05-11:50

POSTER SESSION (all odd poster numbers)

Saturday, March 12, 2016

11:50-12:50

Oral Presentations VI

Chairs: G. Stingl, M. Schoen

**006/01 11:50
(P173)**

Mast cell-derived IL-6 is critical for the healing of infected wounds in mice
C. Zimmermann, D. Troeltzsch, M. Metz, M. Maurer, F. Siebenhaar; Berlin

**006/02 12:00
(P192)**

Cockayne syndrome (CS) is characterized by lysosomal dysfunction and a disturbance of autophagic flux: Results from three different species
M. Majora, M. Schneider, I. Uthe, A. Schiavi, N. Ventura, J. Krutmann; Duesseldorf

**006/03 12:10
(P172)**

The RAG Recombinase Promotes Survival and Proliferation of Dermal Innate-like Lymphoid Cells Type 2
M. Saleh, K. Honold, M. Schoen, T. Buhl; Goettingen

**006/04 12:20
(P023)**

Tight Junctions are impaired in diabetic keratinocytes – implications for barrier function and wound healing
C. Ueck, T. Volksdorf, S. Vidal-y-Sy, J. Brandner; Hamburg

**006/05 12:30
(P239)**

RB1 is the crucial target of the Merkel cell polyomavirus Large T antigen in Merkel cell carcinoma cells
D. Schrama, S. Hesbacher, L. Pfitzer, R. Houben; Wuerzburg

**006/06 12:40
(P222)**

Loss of CYLD promotes melanoma progression
M. de Jel, S. Schiffner, S. Kuphal, A. Bosserhoff; Erlangen

12:50-13:20

POSTER AWARDS AND TRAVEL GRANTS*

Chairs: B. Schilling, E. Tschachler

**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

R. Ludwig

POSTER SESSIONS

All posters:	Thursday,	March 10,	18:10-21:00 Uhr
Even poster numbers:	Friday,	March 11,	09:30-10:00 Uhr
	Saturday,	March 12,	10:20-11:05 Uhr
Odd poster numbers:	Friday,	March 11,	10:00-10:30 Uhr
	Saturday,	March 12,	11:05-11:50 Uhr

Allergy

- P001** **Dopamine agonists block mast cell degranulation**
O. Schmetzer, P. Valentin, M. Maurer; Berlin
- P002** **Serum levels of programmed cell death ligand-1 are increased in mastocytosis and correlate with disease severity**
A. Rabenhorst, S. Leja, J. Schwaab, M. Gehring, A. Foerster, A. Reiter, U. Raap, K. Hartmann; Cologne, Mannheim, Hannover, Luebeck
- P003** **Updosing of non sedating antihistamines can improve the treatment of patients with cholinergic urticaria**
K. Wosny, K. Weller, A. Werner, M. Maurer, S. Altrichter; Berlin
- P004** **In patients with cholinergic urticaria, atopy is common and linked to high disease activity and impact**
S. Altrichter, K. Wosny, M. Maurer; Berlin
- P005**
O05/02 **Exacerbation of allergen-induced gut inflammation in humanized mice by nutritional wheat alpha-amylase/trypsin inhibitors**
I. Bellinghausen, B. Weigmann, V. Zevallos, S. Reissig, A. Waisman, D. Schuppan, J. Saloga; Mainz, Erlangen
- P006**
O01/02 **NOD2 signaling critically influences sensitization to orally ingested allergens and severity of anaphylaxis**
T. Volz, F. Woelbing, F. Regler, S. Kaesler, T. Biedermann; Munich, Tuebingen
- P007**
O01/01 **Soluble GARP inhibits allergic inflammation in humanized mouse model by enhancing Treg function**
S. Hahn, H. Meyer-Martin, R. Buhl, H. Jonuleit, S. Reuter, A. Tuettenberg; Mainz
- P008** **Pathogen recognition receptor-mediated immune processes in low zone tolerance to allergens**
T. Schmidt, N. Lorenz, V. Raker, J. Roth, K. Steinbrink; Mainz, Muenster
- P009** **D-Dimers are not a reliable biomarker for disease activity in chronic spontaneous urticaria patients**
T. Ohanyan, S. Altrichter, N. Schoepke, M. Metz, M. Maurer, K. Weller; Berlin
- P010** **Role of protease-activated receptor 2- and tissue factor-mediated signaling in contact hypersensitivity**
M. Schmidgen, T. Schmidt, N. Lorenz, S. Reyda, G. Carlino, W. Ruf, K. Steinbrink; Mainz

- P011** **Detection of Bet v 1-specific IgG-producing cells in birch pollen-allergic patients and healthy controls by ELISPOT analysis**
C. Baum, C. Moebis, W. Pfuetzner; Marburg
- P012** **Caterpillar dermatitis caused by setae of the oak processionary caterpillar: A clinical and histopathological study**
H. Maier, T. Kinaciyan, C. Sinz, M. Grabenhofer, A. Schopf, I. Simonitsch-Klupp, M. Susani; Vienna
- P013** **Successful immunotherapy in a new mouse model of wasp venom allergy**
C. Hosp, N. Beyersdorf, S. Kranz, A. Trautmann, J. Stoevesandt, C. Adam, M. Goebeler, A. Kerstan; Wuerzburg
- P014** **Reduction and Hyperreleasability of Lytic T Cell Granules in Atopic Asthma - Correlation with Lung Function Parameters**
A. Pasckert, B. Bonnekoh, H. Gollnick, N. Waldburg, J. Schreiber, A. Ambach; Magdeburg

Cellular Biology

- P015** **Insights in the substrate-specificity of ADAM17, the main EGFR-ligand sheddase**
M. Munz, M. Sperrhacker, A. Sommer, K. Reiss; Kiel
- P016** **A combination of in-silico and in-vitro models helps understand the dynamics of the Senescence Associated Secretory Phenotype**
P. Meyer, P. Maity, C. Muessel, K. Singh, F. Ferreira, L. Krug, H. Maier, M. Wlaschek, T. Wirth, H. Kestler, K. Scharffetter-Kochanek; Ulm
- P017** **Antimicrobial effects of EDA- and TAEA-functionalized celluloses in three dimensional skin models infected with Candida albicans**
S. Finger, S. Fink, D. Winter, C. Wiegand, T. Liebert, T. Heinze, U. Hipler; Jena
- P018** **Biocompatibility of Sap from leaves of Isatis tinctoria and several active compounds in a co-culture model of human HaCaT keratinocytes and Arthroderma benhamiae**
J. Hesse, C. Wiegand, M. Gruen, N. Fankhaenel, R. Schleicher, M. Keiner, U. Hipler; Jena, Mihla
- P019** **Influence of extracellular matrix molecules on the release of adiponectin in adipose-derived stem cells**
S. Schreiner, L. Petry, M. Butting, K. Steinhorst, N. Zoeller, M. Hofmann, R. Kaufmann, M. Meissner, S. Kippenberger; Frankfurt
- P020** **Epithelial transdifferentiation of adipose-derived stem cells (ADSC) - Comparison of different medium compositions and the effect of ECM proteins on transdifferentiation**
L. Petry, S. Schreiner, M. Butting, K. Steinhorst, N. Zoeller, M. Hofmann, A. Bernd, R. Kaufmann, M. Meissner, S. Kippenberger; Frankfurt
- P021** **Non-keratinocyte SNAP29 influences epidermal differentiation and hair follicle formation in mice.**
S. Schiller, C. Seebode, G. Wieser, S. Goebels, T. Ruhwedel, M. Horowitz, D. Rapaport, O. Sarig, E. Sprecher, S. Emmert; Goettingen, Rostock, Tel Aviv

- P022** **Comparative transcriptomic analysis in rosacea subtypes display features of the same disease complex without consecutive evolution**
T. Buhl, M. Sulk, F. Cevikbas, V. Schwab, P. Novak, J. Buddenkotte, C. Kempkes, J. Aubert, J. Voegel, M. Steinhoff;
Goettingen, San Francisco, Muenster, Sophia Antipolis, Dublin
- P023** **Tight Junctions are impaired in diabetic keratinocytes – implications for barrier function and wound healing**
C. Ueck, T. Volksdorf, S. Vidal-y-Sy, J. Brandner; Hamburg
- P024** **Cutis laxa acquisita - novel biochemical insights into defective elastogenesis**
P. Gkogkolou, K. Hildebrandt, S. Broekaert, D. Metze, G. Sengle, M. Boehm;
Muenster, Cologne
- P025** **Barrier formation and wound healing capacity of human keratinocytes are strongly influenced by culture medium and predetermined by donor source**
M. Zorn-Kruppa, T. Volksdorf, C. Ueck, E. Zoeller, P. Houdek, K. Reinshagen, I. Ridderbusch, G. Bruning, I. Moll, J. Brandner; Hamburg
- P026** **Preventing the cutaneous inflammatory response using a bacterial endopeptidase**
M. Stock, C. Hillgruber, B. Poeppelmann, T. Goerge; Muenster
- P027** **ADAMTS13, a specific von Willebrand factor (VWF)-cleaving protease, regulates VWF-mediated increase of cutaneous vascular permeability**
C. Hillgruber, B. Poeppelmann, D. Vestweber, S. Schneider, T. Goerge;
Muenster, Mannheim
- P028** **Mesenchymal stem cells regulate T cell functions in chronic venous leg ulcers**
D. Jiang, J. Muschhammer, S. Schatz, P. Meyer, A. Bánvölgyi, K. Lörincz, K. Scharffetter-Kochanek; Ulm, Budapest
- P029** **TNF dependent apoptosis is the major but not the sole mechanism involved in the development of skin disease in cFLIP deficient mice**
D. Panayotova-Dimitrova, M. Feoktistova, M. Ploesser, M. Leverkus; Aachen, Mannheim
- P030** **Biodentine®, a dentine substitute, reduces collagen type I synthesis on RNA and protein level in pulpa fibroblasts.**
N. Zoeller, F. Nikfarjam, M. Butting, D. Heidemann, R. Kaufmann, A. Bernd, S. Kippenberger; Frankfurt
- P031** **The transcriptional repressor Trim28 is a key factor for the establishment of a functional epidermis**
L. Beer, T. Berger, E. Tschachler, M. Mildner; Vienna
- P032** **Antimicrobial peptides target mTOR signaling in keratinocytes in psoriasis**
C. Buerger, V. Lang, S. Diehl, E. Hattinger, R. Kaufmann, R. Wolf; Frankfurt, Munich
- P033** **K14-Cre-mediated deletion of Atg7 leads to accumulation of sequestosome 1 in Merkel cells**
S. Sukseree, H. Rossiter, E. Tschachler, L. Eckhart; Vienna
- P034** **Proteomic identification of autophagy substrates in cornifying keratinocytes**
K. Jaeger, V. Mlitz, S. Zhong, S. Sukseree, H. Rossiter, R. Rice, E. Tschachler, L. Eckhart;
Vienna, Davis, CA

- P035** **Histamine down-regulates psoriasin (S100A7) and calprotectin (S100A8/S100A9) in a human skin equivalent model**
M. Gschwandtner, A. Tschachler, B. Lindner, E. Tschachler; Vienna
- P036**
O03/04 **Disturbed protein homeostasis in Cockayne syndrome - a circulus vitiosus may cause premature aging**
M. Alupej, K. Scharffetter-Kochanek, S. Iben; Ulm
- P037** **Map kinase p38alpha stress signaling repairs skin barrier defects caused by loss of insulin/IGF-1 signaling**
E. Wachsmuth, S. Aghdam, C. Guenschmann, M. Akyuez, M. Pasparakis, J. Bruening, C. Niessen; Cologne
- P038**
O03/03 **Classical cadherins control skin barrier function through polarized actin organization and junctional EGFR receptor localization and activation**
M. Ruebsam, A. Mertz, A. Kubo, B. Boggetti, E. Dufresne, V. Horsley, M. Amagai, C. Niessen; Cologne, New Haven, Tokyo
- P039** **Thy-1/3 integrin interaction-induced apoptosis of dermal fibroblasts is mediated by up-regulation of FasL expression**
M. Schmidt, D. Gutknecht, K. Anastassiadis, B. Eckes, U. Anderegg, A. Saalbach; Leipzig, Dresden, Cologne
- P040** **Decreased expression of CD49d in monocytes of ERp29^{-/-} mice**
U. Lippert, P. Hoyer, D. Ferrari; Goettingen, Dessau, Halle/Saale
- P041** **Resveratrol: A novel anti-lymphangiogenic compound?**
I. Hrgovic, A. Berndt, M. Doll, T. Hailemariam-Jahn, J. Kleemann, R. Kaufmann, S. Kippenberger, M. Meissner; Frankfurt

Chemokines/Cytokines

- P042** **In-depth characterization of the expression of IL-17 isoforms in psoriasis**
L. Senra, R. Stalder, W. Boehncke, N. Brembilla; Geneva
- P043** **IL-17AF signaling deficient mice show spontaneous infections with Staphylococcus aureus concomitant with expanded populations of T cells**
S. Moos, A. Heinen, T. Regen, S. Voglis, K. El Malki, F. Wanke, I. Prinz, A. Diefenbach, A. Waisman, F. Kurschus; Mainz, Hannover
- P044** **IL-17A disturbs skin barrier formation in 3D organotypic skin models**
C. Pfaff, Y. Marquardt, K. Czaja, B. Luescher, J. Baron; Aachen
- P045** **Immunomodulatory potential of starPEG heparin hydrogels on wound healing associated chemokines**
N. Lohmann, L. Schirmer, E. Wandel, P. Atallah, I. Forstreuter, R. Ferrer, U. Freudenberg, C. Werner, J. Simon, S. Franz; Leipzig, Dresden, Leipzig and Dresden
- P046**
O01/04 **CXCL16 enhances migratory properties of neutrophils in psoriasis**
S. Bach, S. Abraham, M. Herbig, S. Meisterfeld, K. Blau, N. Zimmermann, J. Guck, C. Guenther; Dresden
- P047** **Antineoplastic modulation of the cutaneous micromilieu by ingenol mebutate**
J. Baran, S. Braun, H. Schrupf, B. Homey, P. Gerber; Duesseldorf

- P048** **Deciphering the role of IL-36 in psoriasis**
002/03 E. Witte, W. Doecke, M. Ramm, N. Schmidt, S. Jodl, H. Volk, W. Sterry, K. Wolk,
 R. Sabat; Berlin

Clinical Research

- P049** **Active and passive antimicrobial wound dressings exerting an antibacterial effect on *Pseudomonas aeruginosa* and a *Staphylococcus aureus* biofilm in vitro**
 C. Wiegand, K. Reddersen, M. Abel, P. Ruth, S. de Lange, J. Muldoon, U. Hipler;
 Jena, Rengsdorf, Burton-upon-Trent
- P050** **Effect of non-adhering dressings on promotion of fibroblast proliferation and wound healing in vitro**
 C. Wiegand, D. Winter, M. Abel, P. Ruth, K. Griesshammer, U. Hipler; Jena, Rengsdorf
- P051** **In-vitro-assessment of fluid management by PU foam dressings under compression using a vertical maceration model**
 C. Wiegand, K. Reddersen, M. Abel, P. Ruth, J. Muldoon, U. Hipler;
 Jena, Rengsdorf, Burton-upon-Trent
- P052** **Efficacy of ixekizumab in patients with plaque psoriasis, with and without previous exposure to biologic therapies: results at weeks 12 and 60 from UNCOVER-1**
 S. Gerdes, N. Korman, S. Wilhelm, M. Casillas, F. Zhao, A. Schacht, Y. Dutronc;
 Kiel, Cleveland, Indianapolis
- P053** **The impact of ixekizumab treatment on health-related quality of life in patients with moderate-to-severe psoriasis: results from UNCOVER-1**
 M. Augustin, K. Gordon, E. Nikai, E. Edson-Heredia, B. Zhu, O. Goldblum, H. Carlier,
 R. Langley; Hamburg, Chicago, Indianapolis, Halifax
- P054** **Impact of ixekizumab treatment on fingernail psoriasis: results from UNCOVER-1**
 L. Guenther, M. Sebastian, J. Wu, O. Goldblum, F. Zhao, S. Rathmann, P. Rich;
 London, Mahlow, Los Angeles, Indianapolis, Portland
- P055** **Safety and tolerability of ixekizumab: Analysis of neutropenia in 7 clinical studies of moderate-to-severe plaque psoriasis**
 B. Strober, B. Pangallo, M. Veenhuizen, W. Xu, J. Russell, A. Blauvelt;
 Farmington, Indianapolis, Portland
- P056** **Validation of serological diagnostics in the detection of IgG autoantibodies against human collagen VII in epidermolysis bullosa acquisita (EBA) – a multi-center analysis**
 M. Hoch, S. Lotfi, G. Di Zenzo, A. Marzano, M. Goebeler, I. Lakos Jukic, J. Kern, C. Sitaru,
 M. Sardy, S. Uzun, H. Jedlikova, R. Glaeser, E. Cozzani, T. Schmidt, R. Eming, G. Goepel,
 B. Greene, T. Hashimoto, M. Hertl; Marburg, Wuerzburg, Zagreb, Freiburg, Munich,
 Antalya, Breno, Kiel, Rome, Milan, Kurume, Genoa
- P057** **The lipophilic *Echinacea purpurea* root extract exhibit anti-inflammatory and anti-pruritic properties in vitro and in vivo**
 M. Soeberdt, A. Olah, U. Knie, T. Biro, S. Daehnhardt-Pfeiffer, C. Abels;
 Bielefeld, Debrecen, Flintbek

- P058** **Melanoma cell expression of the PD-1 effector molecule, p-S6, correlates with response to PD-1 therapy in cancer patients**
E. Guenova, S. Kleffel, C. Posch, A. Cozzio, R. Dummer, T. Kupper, T. Schatton, W. Hoetzenecker; Zurich, Boston
- P059** **Diagnostic relevance of anti-desmocollin autoantibodies in pemphigus**
I. Karl, S. Mindorf, I. Dettmann, N. van Beek, K. Rentzsch, B. Teegen, C. Probst, L. Komorowski, M. Kasperkiewicz, K. Fechner, W. Schlumberger, D. Zillikens, W. Stoecker, E. Schmidt; , Luebeck
- P060** **Resistance to antibody-dependent cellular cytotoxicity impairs antitumor activity of Rituximab in a CD20+ mycosis fungoides**
Y. Chang, M. Ziegler, D. Ignatova, K. Kerl, L. French, A. Cozzio, E. Guenova; Zurich
- P061** **Bedside Assessment of Intravital Multiphoton Tomography**
V. Huck, C. Mess, K. Zens, T. Unnerstall, D. Metze, S. Staender, T. Luger, S. Schneider; Mannheim, Muenster
- P062** **Metabolomic profiling of psoriasis patients before and after systemic treatment**
E. Rodríguez, H. Baurecht, U. Mrowietz, S. Gerdes, K. Eyerich, A. Todorova, K. Ghoreschi, A. Peters, S. Weidinger; Kiel, Munich, Tuebingen, Neuherberg
- P063** **Measurement properties of adult quality of life measurement instruments for eczema: a systematic review**
D. Heini, C. Prinsen, S. Deckert, J. Chalmers, A. Drucker, R. Ofenloch, R. Humphreys, T. Sach, S. Chamlin, J. Schmitt, C. Apfelbacher; Regensburg, Amsterdam, Dresden, Nottingham, Toronto, Heidelberg, Devon, Norwich, Chicago, Brighton
- P064** **Cochrane Skin Group - Core Outcome Set Initiative (CSG-COUSIN)**
L. Johannsen, S. Deckert, J. Schmitt, C. Apfelbacher, H. Williams; Dresden, Regensburg, Nottingham
- P065** **6- and 8-prenylnaringenin have direct anticancer properties, activate natural killer (NK) cells and improve NK cell-mediated killing of cancer cells**
C. Busch, M. Burkard, C. Leischner, S. Venturelli; Tuebingen, Winterthur
- P066** **A novel preclinical model of organotypic slice cultures for pharmacodynamic profiling of human melanomas**
H. Niessner, T. Eigentler, P. Bauer, M. Levesque, C. Garbe, T. Sinnberg; Tuebingen, Zurich
- P067** **Hunt for somatic mutations in Linear Localized Scleroderma**
R. Higgins, R. Waelchli, A. Smith, M. Theiler, L. Weibel, A. Navarini; Zurich
- P068** **Wundproteom als holistischer Ansatz für Diagnostik und Therapie chronischer Wunden**
G. Daeschlein, C. Sicher, G. Wachlin, M. Juenger, K. Riedel; Greifswald

Dermato-Endocrinology

- P069** **Calcipotriol treatment increases low levels of cathelicidin expression and enhances anti-microbial activity of recessive dystrophic epidermolysis bullosa keratinocytes**
C. Gruber, J. Piñón Hofbauer, B. Tockner, C. Huettner, J. Breitenbach, A. Trost, V. Leb-Reichl, A. Klausegger, S. Hainzl, J. Reichelt, J. Bauer, R. Lang; Salzburg

- P070** **Tropisetron modulates the UVA response in human dermal fibroblasts – a novel function of the 7 nicotinic acetylcholine receptor**
A. Stegemann, M. Apel, M. Boehm; Muenster
- P071** **A chemically modified derivative of the anti-inflammatory tripeptide KdPT (WOL074-009) ameliorates ongoing psoriasis and colitis**
J. Koch, M. Steinert, S. Koch, M. Soeberdt, U. Knie, C. Abels, T. Luger, K. Loser; Muenster, Bielefeld
- P072** **A New LC-MS/MS Assay for the Analysis of Sulfated Steroids in Human Serum: Quantification of Cholesterol Sulfate for the diagnosis of Recessive X-linked Ichthyosis**
A. Sánchez-Guijo, V. Oji, M. Hartmann, H. Traupe, S. Wudy; Giessen, Muenster
- P073** **Growth hormone as a new player in human hair follicle biology**
M. Alam, D. Below, R. Clayton, J. Chéret, M. Bertolini, R. Paus; Muenster, Manchester
- P074** **Skin pigmentation, cutaneous vitamin D synthesis and evolution: variants of genes (SNPs) involved in skin pigmentation are associated with 25(OH)D serum concentration**
W. Rossberg, J. Schoepe, R. Saternus, S. Wagenpfeil, M. Kleber, W. Maerz, T. Vogt, J. Reichrath; Homburg, Heidelberg
- P075** **Vitamin D suppresses caspase-5 and IL-1beta release by epidermal keratinocytes in psoriasis**
S. Zwicker, E. Hattinger, D. Bureik, A. Batycka-Baran, A. Schmidt, S. Rothenfusser, M. Gilliet, T. Ruzicka, R. Wolf; Munich, Wroclaw, Lausanne, Huddinge
- P076** **Vitamin D status is associated with serum lipid profile in participants of the Ludwigshafen Risk and Cardiovascular Health (LURIC) study**
A. Merkouras, S. Wagenpfeil, M. Kleber, W. Maerz, T. Vogt, J. Reichrath; Homburg, Heidelberg
- P077
O03/05** **Genetic targeting of sebocytes reveals sebaceous lipids to be essential for water repulsion, thermoregulation, and the maintenance of ocular integrity in mice**
M. Dahlhoff, D. Riethmacher, M. Schneider; Munich, Astana
- P078
O04/05** **Oxidative stress induces proopiomelanocortin expression independently of the tumor suppressor gene product p53 in human keratinocytes**
M. Boehm, M. Apel, A. Stegemann, B. Ringelkamp; Muenster
- P079** **Melatonin and its metabolites AFMK and AMK counteract UVR-mediated oxidative stress and functional disturbances within mitochondria in keratinocytes and fibroblasts**
K. Kleszczynski, M. Stegmann, N. Kruse, D. Zillikens, T. Fischer; Luebeck
- P080** **UVR-induced structural and functional alterations are attenuated by the melatonin metabolites AFMK and AMK in human ex vivo full skin**
T. Fischer, K. Kleszczynski, M. Stegmann, N. Kruse, D. Zillikens; Luebeck
- P081** **Inhibition of NADPH oxidase activity or suppression of Nox4 counteracts TGF-beta1-mediated activation of human dermal fibroblasts in vitro and attenuates experimentally induced skin fibrosis in vivo**
H. Dosoki, A. Stegemann, M. Taha, H. Schnittler, T. Luger, K. Schroeder, H. Distler, C. Kerkhoff, M. Boehm; Muenster, Alexandria, Frankfurt, Erlangen, Osnabrueck

Dermatopathology

- P082** **Micro RNAs as a disease modifier in recessive dystrophic epidermolysis bullosa**
M. Wimmer, R. Zauner, T. Lettner, N. Niklas, J. Reichelt, V. Wally; Salzburg
- P083** **Loss of inter-alpha-trypsin inhibitor heavy chain 5 (ITIH5) negatively affects skin structure and barrier function of knockout mice**
S. Huth, R. Heise, C. Vetter-Kauczok, C. Skazik-Voogt, Y. Marquardt, K. Czaja, E. Dahl, M. Leverkus, J. Baron; Aachen, Wuerzburg
- P084** **Free Fatty Acid Receptors- possible markers in melanoma?**
J. Kleemann, K. Haerle, K. Steinhorst, I. Hrgovic, J. Ter-Nedden, R. Kaufmann, S. Kippenberger, M. Meissner; Frankfurt
- P085** **IL-36gamma / IL1-F9 immunohistology identifies psoriasis among erythroderma patients**
J. Braegelmann, C. Braegelmann, J. Wenzel; Bonn
- P086** **The role of Ngfr expression in the progression of malignant melanoma – a histopathological correlation in human primary melanomas and skin metastases**
J. Kohlmeyer, J. Landsberg, E. Ratering, T. Tueting; Bonn, Magdeburg
- P087** **Identification of functional microRNA - mRNA regulatory modules in recessive dystrophic epidermolysis bullosa.**
R. Zauner, M. Wimmer, T. Lettner, J. Reichelt, V. Wally; Salzburg
- P088** **The LRIG family – regulators of ERBB signaling in skin during development, homeostasis and tumorigenesis**
C. Hoesl, M. Schneider, E. Wolf, M. Dahlhoff; Munich
- P089** **Pathogenicity and biomarkers of the IL-17 pathway in psoriasis**
K. Wolk, E. Witte, D. Christou, K. Witte, S. Philipp, G. Kokolakis, H. Volk, W. Sterry, R. Sabat; Berlin
- P090** **A crucial role of MMP8 in Acne inversa**
A. Tsaousi, E. Witte, K. Witte, H. Roewert-Huber, H. Volk, K. Wolk, W. Sterry, S. Schneider-Burrus, R. Sabat; Berlin
- P091** **Enhanced sensitivity of TREX1-deficient cells to cold and UV-irradiation predisposes to autoimmunity**
F. Schmidt, N. Berndt, N. Zimmermann, M. Merkel, A. Lueth, P. Knuschke, M. Lee-Kirsch, C. Guenther; Dresden

Epidemiology

- P092** **The National Cancer Aid Monitoring (NCAM) on Sunbed Use: Study Design and Implications**
K. Diehl, T. Goerig, E. Breitbart, R. Greinert, S. Schneider;
Mannheim, Hamburg, Buxtehude

- P093** **Epidemiologic and genetic association between atopic dermatitis, rheumatoid arthritis, inflammatory bowel disease, and type-1 diabetes**
H. Baurecht, J. Schmitt, E. Rodríguez, W. Lieb, C. Gieger, A. Irvine, N. Novak, S. Weidinger; Kiel, Dresden, Neuherberg, Dublin, Bonn
- P094** **Effectiveness of a PCR based general screening at admission to prevent MRSA transmission and to reduce the prevalence rate**
S. von Podewils, G. Daeschlein, T. Bloom, H. Haase, M. Juenger; Greifswald
- P095** **The impact of gliding on the prevalence of non-melanoma skin cancer and its precursors – a cross-sectional study among male pilots of glider aircrafts in Bavaria**
I. Haensel, M. Rotter, F. Lauffer, T. Biedermann, A. Zink; Munich, Neuherberg
- P096** **Individualized extemporaneous formulations- a frequent choice in dermatologists practice**
P. Staubach, S. Salzmann, B. Lang, A. Peveling-Oberhag, S. Zimmer; Mainz
- P097** **Epidemiology and characterization of pediatric psoriasis population**
G. Kokolakis, F. Bachmann, K. Stieler, R. Sabat, S. Philipp; Berlin
- P098** **Characterisation of 242 Patients with Bullous Pemphigoid with and without Neurological Disorder**
M. Kolesnik, A. Ambach, A. Lux, D. Reinhold, B. Bonnekoh, H. Gollnick; Magdeburg

Genetics

- P099** **TALEN-mediated elimination of mutant keratin 14 as a gene therapy for epidermolysis bullosa simplex**
M. Aushev, C. Mussolino, T. Cathomen, J. Reichelt; Salzburg, Newcastle, Freiburg
- P100** **Gene editing of keratinocyte stem cells for a novel ex vivo epidermolytic ichthyosis therapy**
O. March, M. Aushev, U. Koller, J. Reichelt; Salzburg, Newcastle
- P101** **Photosensitive form of trichothiodystrophy associated with a novel mutation in the XPD gene**
B. Brauns, S. Schubert, J. Lehmann, P. Laspe, A. Koerner, K. Brockmann, M. Schoen, S. Emmert; Goettingen, Aachen, Osnabrueck, Rostock
- P102** **Copy number variants of -defensin gene towards genetic predisposition for Hidradenitis Suppurativa / Acne Inversa**
I. Karagiannidis; Dessau
- P103** **Increased prevalence of filaggrin deficiency in recessive X-linked ichthyosis**
K. Suessmuth, E. Rodríguez, F. Valentin, T. Tarinski, H. Traupe, I. Hausser-Siller, S. Weidinger, V. Oji; Muenster, Kiel, Heidelberg
- P104** **Genome-wide association study identifies new susceptibility loci for cutaneous lupus erythematosus**
M. Kunz, I. Koenig, A. Ziegler, A. Ranki, S. Koskenmies, A. Roenn, J. Simon, J. Wenzel, J. Landsberg, T. Zeller, R. Glaeser, A. Kuhn, S. Ibrahim; Leipzig, Luebeck, Helsinki, Huddinge, Bonn, Hamburg, Kiel, Mainz

- P105** **Single amino acid deletion in kindlin-1 results in partial protein degradation which can be rescued by chaperone treatment**
K. Maier, Y. He, P. Esser, K. Thriene, D. Sarca, J. Kohlhase, J. Dengjel, L. Martin, C. Has; Freiburg, Angers
- P106** **Induction of the progeroid/cancer prone XP-like phenotype by a medical drug is mediated via reversible downregulation of DNA repair, an update**
S. Giovannini, Y. Kamenisch, L. Weibel, T. Sinnberg, N. Kobert, B. Schitteck, L. French, M. Roecken, M. Berneburg; Tuebingen, Regensburg, Zurich
- P107** **Systematic identification and characterization of novel human adipose-associated genes encoding membrane and secreted proteins**
B. Buhren, H. Schruppf, B. Homey, A. Zlotnik, P. Hevezi, P. Gerber; Duesseldorf, Irvine

Health Services Research

- P108** **Patient benefits in the treatment of psoriasis: Long-term outcomes in German routine care 2007–2014**
M. Radtke, A. Langebruch, A. Jacobi, M. Augustin; Hamburg

Immunology

- P109** **L1-RG1 virus-like particle (VLP) vaccines directed against cutaneous human papillomaviruses (HPV)**
B. Huber, C. Schellenbacher, C. Jindra, S. Shafti-Keramat, R. Kirnbauer; Vienna
- P110** **Free fatty acids boost the activation of monocyte derived dendritic cells**
D. Herbert, K. Stelzner, A. Lorz, Y. Popkova, J. Schiller, M. Gericke, M. Blueher, J. Simon, A. Saalbach; Leipzig
- P111**
004/02 **Identification of a stable and migratory subset of tolerogenic IL-10 modulated human dendritic cells for optimized DC vaccination strategies**
V. Raker, F. Kryczanowsky, E. Graulich, M. Domogalla, K. Steinbrink; Mainz
- P112** **Contribution of mast cell interleukin 1-beta to UV-B induced skin inflammation**
A. Smorodchenko, J. Scheffel, K. Krause, H. Bonnekoh, L. Kraas, E. Latz, M. Maurer; Berlin, Bonn, Worcester, MA, Magdeburg
- P113** **Treg/Th17 and T cell plasticity in inflamed skin is modulated by the PPAR-axis in psoriasiform dermatitis and psoriasis**
M. Gatzka, K. Singh, A. Hainzl, R. Pandey, I. Krikki, C. Kroeger, M. Wlaschek, K. Scharffetter-Kochanek; Ulm
- P114** **BAFF drives MC differentiation from CD34+ progenitor cells**
P. Valentin, O. Schmetzer, M. Maurer; Berlin
- P115** **Pollen as modulator of the skin barrier and immune function**
D. Dittlein, S. Gilles-Stein, I. Beck, J. Hiller, J. Durner, U. Frank, O. Gross, C. Traidl-Hoffmann; Munich, Davos
- P116** **Initiation of anti-tumor immune responses by repolarisation of tumor associated macrophages using innovative nanoparticles as siRNA carriers**
J. Schupp, F. Foerster, D. Bamberger, P. Wich, D. Schuppan, A. Tuettenberg; Mainz

- P117** **The dual RAR and RXR agonist, alitretinoin, modifies leukocyte recruitment pathways and suppresses dendritic cell functions in vitro and in vivo**
A. Kislat, S. Meller, B. Buhren, H. Friedrich, B. Homey; Duesseldorf
- P118** **Reduced skin blistering in experimental epidermolysis bullosa acquisita after anti-TNF treatment**
K. Bieber, M. Hirose, A. Kasprick, U. Samavedam, J. Kloepper, K. Kalies, D. Zillikens, R. Ludwig; Luebeck
- P119** **Analysis of myeloid cell populations and fibrosis in bleomycin- and HOCl-induced scleroderma**
J. Haub, V. Raker, Y. Kim, N. Lorenz, D. Schuppan, K. Steinbrink; Mainz
- P120** **Myeloid cell-restricted Insulin/IGF-1 signaling controls cutaneous inflammation**
J. Knuever, S. Willenborg, X. Ding, M. Akyuez, C. Niessen, L. Partridge, J. Bruening, S. Eming; Cologne
- P121** **Effect of Ras-Raf-Pathway inhibitors on the immune-phenotype of dendritic cells during melanoma therapy**
F. Krebs, E. Hajek, S. Hahn, S. Grabbe, M. Bros, A. Tuettenberg; Mainz
- P122** **Novel microparticles create a slow releasing depot for long-term immunostimulation in allergen-specific immunotherapy**
M. Garbani, W. Xia, C. Rhyner, M. Prati, A. Scheynius, B. Malissen, H. Engqvist, M. Maurer, R. Cramer, D. Terhorst; Davos, Uppsala, Stockholm, Marseille, Berlin
- P123
O03/02** **Terminally differentiated human dermal fibroblasts are equal to bone marrow multipotent mesenchymal stromal cells in regulating macrophage differentiation and activity in vitro and in reducing inflammation in an in vivo peritonitis model**
R. Ferrer, M. Gruenwedel, I. Forstreuter, J. Simon, S. Franz; Leipzig, Leipzig / Dresden
- P124
O03/06** **The alteration of the immunological landscape in a spontaneous melanoma mouse model.**
D. Mairhofer, A. Prokopi, C. Tripp, V. Flacher, K. Komenda, B. Clausen, S. Chen, P. Stoitzner; Innsbruck, Strasbourg, Mainz, Piscataway
- P125** **Targeting neutrophils in blistering skin diseases- reuse of old drugs**
S. Ghorbanalipour, U. Samavedam, K. Kalies, D. Zillikens, R. Ludwig; Luebeck
- P126
O05/05** **Desmoglein 3 and bullous pemphigoid antigen 180 specific T cells in lichen planus exhibit a Th1/Th17 phenotype**
T. Schmidt, R. Stein, I. Stulberg, V. Eubel, R. Eming, M. Hertl; Marburg
- P127** **Laser-assisted topical immunization with antigen-antibody complexes to target skin dendritic cells**
C. Tripp, M. Lohmueller, J. Idoyaga, P. Stoitzner; Innsbruck, Stanford, CA
- P128** **Parkinson's disease and multiple sclerosis are not associated with a higher incidence of autoantibodies against structural proteins of the dermal-epidermal junction**
A. Recke, A. Oei, F. Huebner, K. Fechner, J. Graf, J. Hagenah, C. May, D. Voitalla, A. Salmen, D. Zillikens, R. Gold, W. Schlumberger, E. Schmidt; Luebeck, Bochum, Essen

- P129
O04/01** **Novel insights in the link between type 2 innate signals and initiation of pro-fibrotic pathways**
S. Willenborg, J. Knipper, J. Brinckmann, W. Bloch, T. Maass, R. Wagener, T. Krieg, T. Sutherland, A. Munitz, M. Rothenberg, A. Niehoff, R. Richardson, M. Hammerschmidt, J. Allen, S. Eming; Cologne, Luebeck, Edinburgh, Ramat Aviv, Cincinnati
- P130** **Short chain fatty acids induce regulatory T cells by modulating dendritic cells.**
A. Schwarz, A. Bruhs, T. Schwarz; Kiel
- P131** **Systemic treatment with fumaric acid esters or TNF-alpha blockade normalizes the bacterial microbiota in cutaneous lesions of psoriasis patients**
C. Baumann, V. Oji, A. Tsianakas, U. Dobrindt, T. Rosenbach, J. Kalinowski, T. Luger, K. Loser; Muenster, Osnabrueck, Bielefeld
- P132** **Local treatment with the Yersinia outer protein M (YopM) ameliorates ongoing psoriasis in mice**
M. Schneeweiss, M. Poceva, A. Gossens, C. Rueter, T. Luger, K. Loser; Muenster
- P133** **IgE Autoreactivity in Bullous Pemphigoid**
P. Freire, P. Heil, G. Stingl; Vienna
- P134
O01/06** **ADAM17 is a psoriasis-relevant check-point controlling Th17-programming by inflammatory dermal dendritic cells**
A. Kunze, S. Oehrl, P. Beckhove, G. Murphy, A. Enk, K. Schaeckel; Heidelberg, Cambridge
- P135** **Exploring the role of T cells in human hair follicle immunopathology: Indications that V1+ T cells are cytotoxic for "stressed" hair follicles and may be involved in alopecia areata pathobiology**
Y. Uchida, M. Bertolini, M. Alam, A. Gilhar, T. Kanekura, A. Rossi, R. Paus; Muenster, Kagoshima, Haifa, Rome, Manchester
- P136** **Characterization of IL-21-producing T cells in pemphigus vulgaris**
R. Pollmann, T. Schmidt, C. Moebs, M. Seipelt, B. Tackenberg, W. Pfuetzner, M. Hertl, R. Eming; Marburg
- P137
O01/03** **9-cis-retinoic acid modulates dendritic cell differentiation to generate a Treg inducing phenotype – an important function of Osteopontin**
L. Kraus, N. Scheurmann, D. Frenzel, J. Weiss; Ulm
- P138** **Cutaneous RANK/RANKL and S100A8/A9 signaling controls innate and adaptive anti-viral immunity during Herpes simplex virus infection**
L. Klenner, W. Hafezi, T. Vogl, J. Roth, T. Luger, J. Kuehn, K. Loser; Muenster
- P139** **Redox-mediated modulation of immune activation through toll-like receptors (TLR)**
B. Bauer, H. Braumueller, T. Wieder, M. Roecken; Tuebingen
- P140** **Hydroxyethyl starch nanocapsules as a potent drug-delivery system for targeting of CD4+CD25+ T cells with different IL-2 receptor affinities**
M. Domogalla, S. Frick, G. Baier, F. Wurm, V. Mailaender, K. Landfester, K. Steinbrink; Mainz
- P141** **Cell type specific expression and induction of IL-33 mRNA and protein**
J. Brueck, A. Schloegl, J. Holstein, K. Meier, B. Fehrenbacher, K. Ghoreschi, A. Yazdi; Tuebingen

- P142** **Impact of fumaric acid esters on T cell subsets in patients with psoriasis**
S. Riemann, B. Greene, M. Hertl, C. Moebis; Marburg
- P143** **PI3K β inhibition effectively ameliorates experimental epidermolysis bullosa acquisita**
H. Koga, N. Godessart, A. Kasprick, K. Matsumoto, E. Schmidt, R. Ludwig, C. Balague; Luebeck, Barcelona, Kurume
- P144** **Gene-environment interaction controls ANA production in mice**
A. Vorobyev, Y. Gupta, H. Koga, P. Kouki, H. Koerber-Ahrens, S. Ibrahim, R. Ludwig; Luebeck, Kurume
- P145** **Platelets have immunoregulatory function on the differentiation process of CD4+ T cells**
N. Zimmer, S. Hahn, A. Tuettenberg; Mainz
- P146** **An Fc-optimized CD19 antibody as treatment option for lymphoid B-cell malignancies**
U. Seidel, L. Grosse-Hovest, P. Schlegel, M. Hofmann, F. Vogt, F. Schuster, R. Meisel, K. Witte, S. Aulwurm, E. Pyz, H. Rammensee, G. Jung, R. Handgretinger, P. Lang; Tuebingen, Duesseldorf
- P147** **Scurfy mice spontaneously develop autoantibodies with reactivity to skin antigens**
S. Haeberle, X. Wei, A. Enk, E. Hadaschik; Heidelberg
- P148** **The role of the PAR4/Cathepsin G (CatG) pathway in the regulation of neutrophil-platelet aggregations (NPAs)**
K. Plessner, M. Feld, F. Smits, J. Buddenkotte, M. Fastrich, M. Spelleken, C. Hillgruber, M. Elvers, B. Homey; Duesseldorf, Muenster
- P149** **The Aryl Hydrocarbon Receptor mediates sensing of Staphylococcus epidermidis in human keratinocytes**
F. Rademacher, B. Hesse, M. Simanski, R. Glaeser, J. Harder; Kiel
- P150
O02/06** **Highly abundant T cell receptors are involved in the skin blistering disease Epidermolysis Bullosa Acquisita**
M. Niebuhr, A. Faehnrich, S. Maass, R. Ludwig, J. Westermann, K. Kalies; Luebeck
- P151** **Omalizumab: an anti-IgE antibody binding to CD16 (FcRIIIa)**
S. Oehrl, M. Maas, T. Doebel, S. Meisel, S. Pezer, K. Schaekel; Heidelberg
- P152
O04/04** **Do tissue-resident macrophages in human skin derive from intradermal CD34+ progenitor cells?**
J. Gherardini, Y. Uchida, J. Chéret, M. Alam, M. Bertolini, R. Paus; Muenster, Kagoshima, Manchester
- P153** **Examining virus-recognizing receptors in Langerhans cells following human skin barrier disruption and stimulation with synthetic RNA**
P. Tajpara, P. Kienzl, M. Gschwandtner, C. Schuster, W. Bauer, B. Reininger, M. Mildner, A. Elbe-Buerger; Vienna
- P154
O05/04** **NFATc1 promotes imiquimod-induced skin inflammation by negatively controlling IL-10 production in B cells**
A. Kerstan, H. Alrefai, K. Muhammad, R. Rudolf, D. Pham, S. Klein-Hessling, A. Patra, A. Avots, V. Bukur, U. Sahin, S. Tenzer, M. Goebeler, E. Serfling; Wuerzburg, Mainz, Mansoura

- P155** **Generation of IL-9-producing T cells from healthy human skin explant cultures**
P. Kienzl, R. Polacek, T. Gassner, P. Tajpara, A. Elbe-Buerger; Vienna
- P156** **Peripheral blood basophil reactivity and frequency are associated with different scores of disease activity in patients with chronic idiopathic urticaria (CIU)**
M. Rauber, C. Moebs, W. Pfuetzner; Marburg
- P157** **Impact of test conditions on the activity of antimicrobial peptides**
T. Siebert, J. Harder; Kiel
- P158** **B7-H1 (PD-L1) in the suppressive activity of regulatory B cells (Breg)**
M. Schiller, S. Ring, A. Enk, K. Mahnke; Heidelberg
- P159** **Cellular stress responses in allergic contact dermatitis**
F. Gendrisch, L. Voelkel, S. Martin, P. Esser; Freiburg
- P160** **The antimycotic agent clotrimazole inhibits TPA-induced ear swelling in mice by modulating pro-inflammatory cytokine production**
O. Brandt, D. Spazierer, C. Schuster, L. El-Housseiny, K. Steinhorst, G. Stingl, M. Mildner; Vienna, Basel, Frankfurt
- P161**
001/05 **Multiple hit immunotherapy of melanoma by generation of CD8+ T cells expressing two additional receptors (TETARs)**
U. Uslu, G. Schuler, J. Doerrie, N. Schaft; Erlangen
- P162** **Effects of antipsoriatic therapies on keratinocytes biology and immune cells**
J. Holstein, J. Brueck, B. Fehrenbacher, A. Yazdi, F. Eberle, K. Ghoreschi; Tuebingen
- P163** **Reduction of hypersensitivity type IV induced skin inflammation by high dose antigen sensitization**
S. Klein, J. Westermann, K. Kalies; Luebeck
- P164** **Neutrophil granulocyte counts correlate to PASI-response under TNF- antagonist treatment.**
J. Hoffmann, C. Knoop, A. Enk, E. Hadaschik; Heidelberg
- P165** **Frequency of plasmacytoid dendritic cells (pDCs), myeloid-derived suppressor cells (MDSCs) and T regulatory cells (Tregs) in peripheral blood of patient with psoriasis**
J. Wegner, F. Krebs, A. Tuettenberg, E. von Stebut; Mainz
- P166** **Evaluation of the effect of TNT003, a classical pathway specific inhibitor, on bullous pemphigoid sera induced complement deposition on human skin**
A. Kasprick, S. Panicker, C. Kauderer, F. Petersen, E. Schmidt, R. Ludwig; Luebeck, San Francisco, Borstel
- P167** **Functional consequences of myeloid cell-specific Stat3 activation in skin fibrosis**
N. Do, S. Willenborg, X. Ding, S. Eming; Cologne
- P168** **Self DNA stimulates keratinocytes to produce IFN-regulated chemokines: Implications for the pathogenesis of cutaneous lupus erythematosus.**
S. Zahn, J. Maier, T. Bieber, T. Tueting, J. Wenzel; Bonn

- P169
O02/05** **Expression of CD39 by Treg mediates degradation of ATP, affecting shedding of CD62L and regulating contact hypersensitivity reactions**
K. Mahnke, S. Ring, A. Pushkarevskaya, M. Schiller, A. Enk; Heidelberg
- P170** **Tumor-homing eosinophils predict the clinical course of malignant melanoma**
A. Hufeland, A. Funder, C. Kehrel, R. Lichtenberger, D. Tichy, T. Holland-Letz, E. Herpel, V. Umansky, J. Utikal, C. Gebhardt; Heidelberg, Mannheim
- P171** **Eosinophils, MDSCs and Neutrophils are Novel Predictive Biomarkers in Melanoma Treatment with Checkpoint Inhibitors**
C. Gebhardt, A. Sevko, H. Jiang, R. Lichtenberger, M. Reith, K. Tarnanidis, L. Umansky, P. Beckhove, A. Sucker, D. Schadendorf, J. Utikal, V. Umansky; Heidelberg, Essen
- P172
O06/03** **The RAG Recombinase Promotes Survival and Proliferation of Dermal Innate-like Lymphoid Cells Type 2**
M. Saleh, K. Honold, M. Schoen, T. Buhl; Goettingen

Infectious Diseases

- P173
O06/01** **Mast cell-derived IL-6 is critical for the healing of infected wounds in mice**
C. Zimmermann, D. Troeltzsch, M. Metz, M. Maurer, F. Siebenhaar; Berlin
- P174** **Establishment of a real-time-PCR-assay for routine identification of *Trichophyton rubrum*, *Trichophyton interdigitale*, *Microsporum canis*, and *Trichophyton* species of *Arthroderma benhamiae***
C. Wiegand, E. Maschke, D. Reichmann, U. Hipler; Jena
- P175
O02/01** **A single CD8⁺-epitope as vaccine against murine cutaneous Leishmaniasis**
K. Dietze-Schwonberg, S. Brosch, G. van Zandbergen, B. Grewe, H. Schild, S. Tenzer, E. von Stebut; Mainz, Langen
- P176** **A protective immune response against pathogens triggered by the skin microbiota is dependent on the integrity of the epithelial barrier**
M. Burian, B. Kraft, B. Schitteck; Tuebingen
- P177** **Effect of Staphylococci on Tight Junctions – involvement in innate immunity**
K. Baesler, M. Galliano, P. Houdek, B. Guiraud, S. Vidal-y-Sy, E. Wladykowski, H. Rohde, S. Bessou-Touya, H. Duplan, J. Brandner; Hamburg, Toulouse
- P178** **Investigating the return of *Microsporum audouinii* in Munich**
A. Zink, M. Reiger, A. Todorova, H. Seidl, T. Biedermann, M. Koeberle, C. Traidl-Hoffmann; Munich
- P179** **Immunization with a newly identified *Leishmania (L.) major*-specific protein (80 kDa) promotes protection in mice against infection with *L. major* parasites**
A. Schermann, B. Lorenz, S. Tenzer, E. von Stebut; Mainz
- P180** **Role of antigen dosage and adjuvant in next generation RG1-VLP broad-spectrum HPV vaccination**
C. Schellenbacher, S. Shafti-Keramat, B. Huber, M. Skoll, R. Roden, R. Kirnbauer; Vienna, Baltimore, Maryland
- P181** **Glucocorticoids induced cathelicidin, but fail to promote phagolysosome maturation and antimicrobial activity in human macrophages**
J. Steiger, A. Stephan, M. Inkeles, S. Realegeno, M. Pellegrini, B. Brachvogel, R. Modlin, M. Fabri; Cologne, Los Angeles

- P182** **In Leishmania major infections, CD8+ and CD103+ dendritic cells (DC) are important to resolve lesions**
K. Kautz-Neu, B. Lorenz, A. Mauer, E. von Stebut; Mainz
- P183** **High rate of spontaneous remission of intraepithelial, anal dysplasia in HIV patients under antiretroviral therapy – follow up of the IZAR cohort**
A. Todorova, D. Turek, C. Spinner, G. Weirich, K. Kaliebe, A. Zink, C. Schwerdtfeger, C. Traidl-Hoffmann; Munich
- P184** **Altered maturation of L. major-containing phagosomes in dendritic cells compared to macrophages**
T. Twelkmeyer, V. Schmidt, S. Tenzer, E. von Stebut; Mainz
- P185
O05/06** **Beta-defensin 14 deficiency in mice leads delay in skin permeability barrier repair, but doesn't influence infection rate with Staphylococcus aureus**
E. Proksch, C. Neumann, C. Walker, W. Mueller, J. Harder, N. Graumann; Kiel, Manchester
- P186** **The therapeutic potential of Pelargonium sidoides extract EPs 7630 in the antimicrobial skin defense**
K. Witte, E. Koch, E. Witte, H. Volk, K. Wolk, R. Sabat; Berlin, Karlsruhe

Pharmacology

- P187** **Skin rashes induced by vemurafenib are caused by a non-allergic mechanism**
H. Friedrich, P. Gerber, A. Kislat, K. Schindler, N. Klossowski, S. Braun, P. Chapman, M. Lacouture, B. Homey, S. Meller; Duesseldorf, New York, Vienna
- P188** **Ex vivo microdialysis used for the preclinical assessment of anti-inflammatory therapy**
N. Doege, S. Hadam, F. Rancan, A. Schindler, E. Ruehl,, B. Balzus, M. Colombo, R. Bodmeier, S. Hoenzke, S. Hedtrich, F. Schumacher, B. Kleuser, P. Skov, U. Blume-Peytavi, A. Vogt, M. Church; Berlin, Potsdam, Copenhagen

Photobiology

- P189** **Protective efficacy of a licochalcone A containing sunscreen in the high energy visible spectral range in vivo**
M. Darvin, S. Schanzer, J. Lademann, M. Tesch, A. Bueger, F. Rippke, M. Meinke; Berlin, Hamburg
- P190** **Impact of photodynamic therapy on T cellular immune responses in oral lichen planus**
R. Stein, R. Cosgarea, J. Sharif, N. Arweiler, M. Hertl, T. Schmidt; Marburg
- P191** **The aryl hydrocarbon receptor (AHR) critically contributes to UVB-induced skin carcinogenesis**
M. Pollet, S. Shaik, K. Frauenstein, J. Tigges, T. Douki, C. Esser, J. Krutmann, T. Haarmann-Stemann; Duesseldorf, Grenoble
- P192
O06/02** **Cockayne syndrome (CS) is characterized by lysosomal dysfunction and a disturbance of autophagic flux: Results from three different species**
M. Majora, M. Schneider, I. Uthe, A. Schiavi, N. Ventura, J. Krutmann; Duesseldorf

P193 Inflammasome-intrinsic caspase-5 interferes with UVB-triggered IL-1 beta activation in epidermal keratinocytes

E. Hattinger, S. Koglin, D. Bureik, T. Ruzicka, R. Wolf; Munich

P194 Caspase-5 rescues UVB-dependent IL-1beta production by epidermal keratinocytes

E. Hattinger, R. Wolf; Munich

P195 Does indoor tanning increase the risk for cutaneous melanoma? A meta analysis and systematic review of the literature

B. Burgard, J. Schoepe, J. Ordonez-Mena, S. Pilz, R. Saternus, S. Reichrath, C. Schiekofe, W. Maerz, S. Wagenpfeil, T. Vogt, J. Reichrath; Homburg, Heidelberg, Amsterdam, Graz

P196 PUVA pretreatment leads to reduced induction of inflammation in the imiquimod model of psoriasis

N. Shirsath, G. Mayer, R. Frei, J. Ober, A. Heinemann, P. Wolf; Graz

Pruritus

P197 ET-1 induced itch and its signalling trait.

J. Buddenkotte, M. Kido-Nakahara, C. Kempkes, T. Akiyama, T. Buhl, F. Nunes, M. Sulk, M. Furue, M. Steinhoff; Muenster, Duesseldorf, Fukuoka, San Francisco, Davis, Goettingen, Dublin

P198 The pruritus- and TH2-associated cytokine Interleukin-31 promotes growth of sensory nerves

M. Feld, R. Garcia, S. Katayama, J. Buddenkotte, K. Lewis, G. Muirhead, P. Hevezi, K. Plessner, H. Schrumph, O. Sergeeva, H. Mueller, S. Tsoka, J. Kere, S. Dillon, M. Steinhoff, B. Homey; Duesseldorf, Seattle, Huddinge, London, Irvine, Dublin

P199 Scratching the surface of prurigo nodularis Hyde: A hypothesis on its development

G. Nikolakis, A. Lyakh, M. Brunner, I. Karagiannidis, C. Zouboulis; Dessau

P200 Woad plant derived petroleum ether extract mediates anti-inflammatory and anti-allergic effects

T. Lotts, C. Miethner, M. Schoeler, K. Agelopoulos, I. Schellenberg, S. Staender; Muenster, Bernburg

P201 Characterization of itch perception in inflamed and non-inflamed skin

F. André, T. Hawro, M. Maurer, M. Metz; Berlin

P202 Experimental models of induced itch – characterization of tools and methods

T. Hawro, S. Lehmann, E. Deuring, K. Weller, F. André, M. Maurer, M. Metz; Berlin

Tumor Biology

P203 A Distinct Role for Eosinophil and Neutrophil Granulocytes in Patients with Advanced Melanoma receiving Selective BRAF Inhibitors.

I. Cosgarea, C. Franklin, M. Schwamborn, A. Sucker, K. Griewank, B. Weide, C. Loquai, J. Hassel, K. Kaehler, J. Utikal, R. Gutzmer, S. Goldinger, A. Paschen, D. Schadendorf, B. Schilling; Essen, Heidelberg, Tuebingen, Mainz, Kiel, Mannheim, Hannover, Zurich

- P204
O04/03** **Histone H2A deubiquitinase 2A-DUB/Mysm1- a new epigenetic player in skin pigmentation and melanoma growth**
I. Banik, C. Wilms, A. Hainzl, C. Kroeger, M. Wlaschek, K. Scharffetter-Kochanek, M. Gatzka; Ulm
- P205** **In vitro approaches to test cold plasma technology as a new treatment option for supportive skin cancer therapy**
A. Schmidt, S. Bekeschus, T. von Woedtke, S. Hasse; Greifswald
- P206** **Role of OX40/OX40L and 4-1BB/4-1BBL signaling during cutaneous anti-tumoral immunity**
G. Geidel, M. Maurer, T. Luger, K. Loser; Muenster, Berlin
- P207
O05/01** **Stat1-induced cancer cell senescence protects from metastases**
E. Brenner, H. Braumueller, T. Wieder, K. Schilbach, S. Weidemann, V. Galinat, N. Simon, J. Bauer, M. Roecken; Tuebingen
- P208** **Opposing roles of JNK and p38 in lymphangiogenesis in melanoma**
E. Puujalka, M. Heinz, B. Hoesel, P. Friedl, B. Schweighofer, J. Wenzina, C. Pirker, J. Schmid, R. Loewe, W. Berger, E. Wagner, P. Petzelbauer; Vienna, Madrid
- P209** **The PI3K-AKT pathway - a therapeutic target in melanoma brain metastases?**
H. Niessner, J. Schmitz, A. Schmid, T. Sinnberg, G. Tabatabai, B. Weide, C. Garbe, L. Quintanilla-Fend, M. Mai, S. Beissert, D. Kulms, G. Schackert, M. Muders, M. Meinhardt, G. Baretton, B. Pichler, D. Westphal, F. Meier; Tuebingen, Dresden
- P210** **Exogenous induced senescence triggers intrinsic vulnerabilities in pancreatic β -cell cancer**
K. Boehm, H. Braumueller, T. Wieder, M. Roecken; Tuebingen
- P211** **Role of SSR2 in Melanoma Cell Biology**
B. Garg, C. Wagner, G. Pathria, M. Maurer, S. Wagner; Vienna, Marburg
- P212** **The impact of BRAFV600i-triggered endoplasmic reticulum stress on apoptosis induction by MEKi in NRAS mutated melanoma cells**
H. Niessner, I. Wanke, C. Praetorius, D. Kulms, S. Beissert, C. Garbe, F. Meier; Tuebingen
- P213** **Influence of p53 family member activity on therapy resistance in malignant melanoma**
E. Makino, T. Sinnberg, B. Schitteck; Tuebingen
- P214** **MITF regulates cell adhesion and subcompartment-specific distribution of differentially cycling melanoma cells**
C. Tonnessen, K. Beaumont, L. Spoerri, D. Hill, R. Jurek, S. Daignault, F. Ahmed, M. Fane, A. Smith, W. Weninger, N. Haass; Sydney, Newcastle upon Tyne, Brisbane
- P215** **Targeting of a minor drug-resistant melanoma subpopulation expressing the B cell marker CD20.**
M. Maurer, R. Somasundaram, K. Bennett, M. Perego, C. Wagner, C. Brueggen, J. Griss, K. Garg, F. Breitwieser, J. Colinge, A. Mueller, H. Esterbauer, M. Herlyn, S. Wagner; Vienna, Philadelphia
- P216** **CEACAM1: a novel target of MITF in malignant melanoma**
S. Loeffek, N. Ullrich, S. Horn, A. Goergens, I. Davidson, B. Singer, D. Schadendorf, C. Goding, I. Helfrich; Essen, Illkirch, Oxford

- P217 Targeted combination therapy for BRAF/MEK inhibitor-resistant melanoma cells**
A. Hamel, C. Kammerbauer, S. Graf, C. Berking; Munich
- P218 A functional type I IFN system in myeloid immune cells is required for effective adoptive T cell immunotherapy of melanoma.**
D. Lopez Ramos, T. Bald, M. Hoelzel, T. Tueting; Bonn
- P219 Interfering with stem cell-specific gatekeeper mechanisms results in skin tumour initiation and progression**
K. Reuter, C. Niemann; Cologne
- P220 In and outside the melanoma cell: The Y-box binding protein 1 as a novel tumour marker and therapeutic target in vemurafenib resistance.**
C. Kosnopfel, T. Sinnberg, A. Muenchow, A. Schmitt, B. Schittek; Tuebingen
- P221 Oncogenic role of miR-150 in melanoma**
A. Bhattacharya, U. Schmitz, S. Gupta, J. Simon, M. Kunz; Leipzig, Newtown, Rostock, Berlin
- P222 O06/06 Loss of CYLD promotes melanoma progression**
M. de Jel, S. Schiffner, S. Kuphal, A. Bosserhoff; Erlangen
- P223 Real-time cell cycle and cell death imaging of the effect of sphingosine kinase inhibition on 3D melanoma spheroids**
A. Kienzle, E. McGowan, G. Douglas, D. Kaczorowski, W. Weninger, N. Haass; Mainz, Brisbane, Sydney
- P224 ADAM-9 modulates melanoma development and metastasis in vivo**
N. Giebeler, A. Schoenefuss, J. Landsberg, T. Tueting, C. Mauch, P. Zigrino; Cologne, Bonn
- P225 XIAP down regulation inhibits invasion of melanoma cells by regulating cell migration and survival.**
O. Ayachi, M. Barlin, S. Bozorg Nia, H. Kashkar, P. Zigrino, C. Mauch; Cologne
- P226 Dissecting heterogeneity in a melanoma short-term culture by single-cell RNA-seq**
T. Gerber, T. Kottek, H. Binder, E. Willscher, J. Utikal, L. Larribere, J. Simon, B. Treutlein, M. Kunz; Leipzig, Mannheim, Heidelberg
- P227 Interferon-alpha-based immunotherapy induces senescence in human cancer cells in vivo**
T. Wieder, H. Braumueller, E. Brenner, C. Boss, K. Schilbach, M. Roecken; Tuebingen
- P228 Dickkopf 3 (DKK3) deficiency delays the onset and progression of primary melanomas in HGF-CDK4 mice.**
N. Shridhar, T. Bald, C. Huettner, M. Meyer, T. Tueting; Bonn
- P229 Human melanoma cells show a broad range of responsiveness to type I interferons and susceptibility to oncolytic alphavirus infection**
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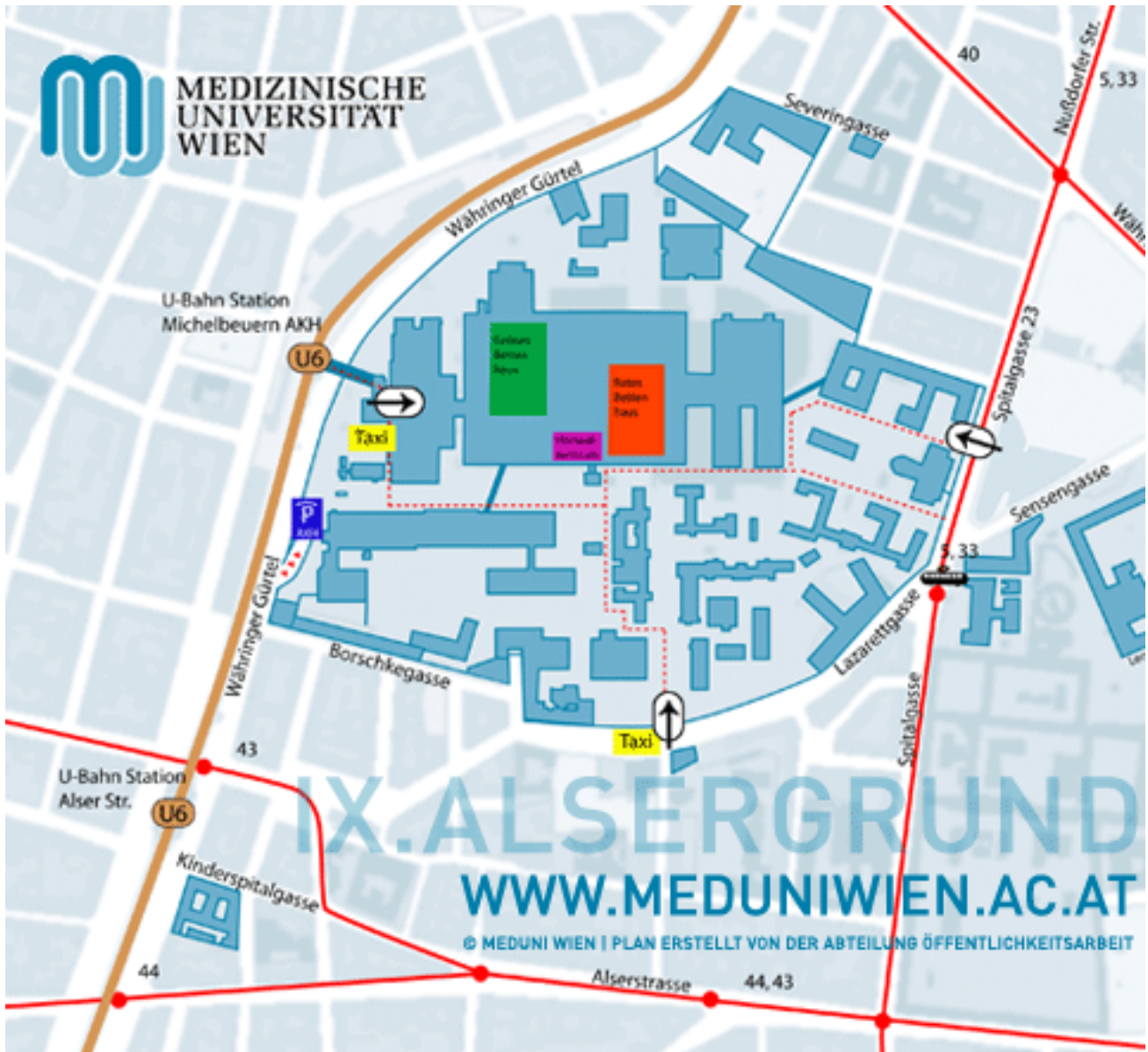
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