



**40th Annual Meeting
of the
Arbeitsgemeinschaft
Dermatologische Forschung**

in collaboration with the
Deutsche Dermatologische Gesellschaft (DDG)

March 14-16, 2013
Dessau, Germany

by 26 February 2013

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

Meeting Venue

Museum of Technology „Hugo Junkers“
Kuehnauer Straße 161a, 06846 Dessau-Roßlau
<http://www.technikmuseum-dessau.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
Conference fax: +49(0)340-6611 193

How to get there by car or public transport:

By car:

A 2 Hanover - Magdeburg: Exit Magdeburg, B 184 via Zerbst, direction Dessau centre.
A 9 Berlin: Exit Dessau-Ost, Oranienbaumer Chaussée, direction Dessau centre.
A 9 Nürnberg - Leipzig: Exit Dessau-Süd, B 184, direction Dessau centre.

By train:

Arrival at Dessau central station, 2.6 km, walk appr. 35 min. or take a taxi in front of the Dessau main station. (also see map on page 52)

A shuttle service will be provided from the major hotels to the Museum of Technology and vice versa during the meeting.

Local Organisers

Christos C. Zouboulis, Undine Lippert, Dietrich Trebing, Evgenia Makrantonaki
Secretary: Ramona Engelmann, Sabine Schmale

Klinik fuer Dermatologie, Venerologie und Allergologie / Immunologisches Zentrum
Staedtisches Klinikum Dessau, Auenweg 38, 06847 Dessau-Roßlau

Technical organisation
Hotel, travel, additional programme

COPP Birgit Barnickel
Friedrich-Ebert-Straße 12, 61462 Koenigstein
Phone: +49(0)6174-93 13 33 Fax: +49(0)6174-93 13 43
E-Mail: copp.barnickel@t-online.de

MEETING ORGANISATION

Hotel Reservations

Free-of-charge accommodation bureau: Tourist-Information Dessau-Roßlau

Zerbster Straße 2c, 06844 Dessau-Roßlau

Phone +49(0)340-2 20 30 03, Fax +49(0)340-2 20 30 03

<http://www.dessau-rosslau-tourismus.de/>

touristinfo@dessau-rosslau.de

A list of hotels with special rates for the ADF Annual Meeting can be found on the webpage 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.

EC cards can be accepted (no credit cards!)

Opening Hours of the Conference Bureau

Thursday, March 14, 2013 11:00-19:00

Friday, March 15, 2013 08:00-19:00

Saturday, March 16, 2013 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 walls: width 90 cm, height 150 cm.

Mounting material will be provided.

Dr. Katja Hartig of the DFG is available for face to face meetings à 15 minutes on Friday, March 15, 09:30-12:30. Please sign up for an appointment at the registration.

Further she gives information about the usual handling of DFG requests on Friday, March 15, 13:15-13:45 in the main lecture hall for all interested participants.

Registration is not required.

MEETING ORGANISATION

During the ADF Annual Meeting, the following working groups do meet as follows
(by 14-02-2013):

Wednesday, March 13, 2013:

AG Dermato-Endokrinologie	09:00-18:00	Umweltbundesamt*, Hörsaal
Melanom Verbund	09:00-17:00	Umweltbundesamt*, Ausstellungsraum
AG Psoriasis	15.30-19.00	Hautklinik**, Großer Seminarraum

Thursday, March 14, 2013:

AG Experimentelle Dermatoonkologie	09:00-13:00	Hautklinik**, Konferenzraum
AG Experimentelle Allergologie	09:00-12:45	Hochschule Anhalt***, Sem. M/309
AG Autoimmunbulloese Dermatosen	10:00-13:00	Hautklinik**, Alte Bibliothek
AG Dermatologische Genetik	09:00-13:00	Hochschule Anhalt***, Sem. M/308
AG Atopische Dermatitis	09:00-12:30	Hautklinik**, Krankenpflegeschule
AG Psoriasis	09:00-13.00	Hautklinik**, Großer Seminarraum

*Umweltbundesamt, Wörlitzer Platz 1, 06844 Dessau-Roßlau

**Städtisches Klinikum Dessau, Hautklinik, Auenweg 38, 06847 Dessau-Roßlau

***Hochschule Anhalt, Gebäude M Mensa, Seminarplatz 2, 06818 Dessau-Roßlau

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).

A shuttle service will be provided from the AG meeting venues to the Museum of Technology on March 14, 2013.

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

**Novartis Pharma GmbH
for the Novartis AGEA Award 2013**

1. Prize: 1.500 €, 2. Prize: 1.000 €, 3. Prize: 500 €

**Laboratoire Vichy
for the ADE Research Award 2013**

(ADE-Forschungspreis 2013)

Prize: 1.500 €

**AbbVie Deutschland GmbH & Co. KG
AbbVie Research Award Dermatology 2013**

(AbbVie Forschungspreis Dermatologie 2013)

Prize 10.000 €

**We thank Novartis Pharma GmbH
for the Novartis IIT-Förderprogramm**

1. Prize: 150.000€, 2. and 3. Prize: 25.000 €

Prize-giving at the *Skin Research Forum*, Friday, March 15, 2013, 19:30.

About the XXXX. Annual Meeting of the Arbeitsgemeinschaft Dermatologische Forschung

Dear Colleagues and Friends,

we would like to warmly welcome you to the 40th Annual Meeting of the Arbeitsgemeinschaft Dermatologische Forschung. This year, we have received 288 abstracts out of which we have chosen 36 for oral presentations in accordance with 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 (for research in allergy) 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), as before with the DDG, 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 IID 2013 in Edinburgh or the ADF Meeting 2014.

We are looking forward to this year's workshop, which is devoted to „*The pilosebaceous unit beyond hair loss and acne: A world waiting to be discovered*“ (Organisation: C. C. Zouboulis). Additional highlights of this year's annual meeting are the *Guenter Goerz Memorial Lecture* and the *Guest Lecture*, which will be given by Martin Roecken (Tuebingen) and Ulrich von Andrian (Boston, USA), respectively.

The local organisers, who deserve special thanks for their outstanding preparation of the meeting, and the ADF steering committee are looking forward to this year's meeting full of fruitful and interesting discussions in Dessau.

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

R. Besch, Munich	N. Haass, Sydney	M. Schmidt, Giessen
R. Betz, Bonn	C. Hafner, Regensburg	A. Sindrilaru, Ulm
P. Boukamp, Heidelberg	K. Kautz-Neu, Mainz	G. Stary, Boston
R. Eming, Marburg	E. Makrantonaki, Dessau	SA. Stegemann, Muenster
S. Eyerich, Munich	A. Navarini, Zurich	T. Wiesner, New York
M. Fabri, Cologne	V. Oji, Muenster	E. Witte, Berlin
S. Gilles, Munich	A. Paaschen, Essen	A. Yazdi, Tuebingen
T. Goerge, Muenster	A. Saalbach, Leipzig	C. Zielinski, Berlin
C. Guenther, Dresden	M. Schaller, Tuebingen	

Poster committee 1 (even numbers)

K. Loser, Muenster

J. Gutermuth, Munich
F. Meyer, Tuebingen
A. Lonsdorf, Heidelberg
C. Sitaru, Freiburg
M. Wlaschek, Ulm

Poster committee 2 (odd numbers)

M. Maurer, Berlin

W. Hoetzenecker, Charlestown
U. Raap, Hanover
G. Stary, Boston
R. Wolf, Munich
C. Zielinski, Berlin

Poster walks

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

Adaptive Immunity (M. Fabri)

Allergy (K. Hartmann)

Cellular Biology (A. Schwarz)

Clinical Research (R. Schopf)

Dermato-Endocrinology

(J. Reichrath)

Epidemiology and Health Service

Research (J. Schmitt)

Infectious diseases (E. von Stebut-Borschitz)

Innate Immunity (A. Yazdi)

Genetics (H. Traupe)

Mast cells and Basophils (T. Biedermann)

Oncology 1+2 (I. Helfrich, H. Schaidler)

supported by Bristol-Myers-Squibb GmbH

Psoriasis (R. Sabat)

supported by Biogen Idec GmbH

We thank Janssen Cilag GmbH 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 14, 2013

12:30-14:00 Poster mounting and registration

13:00-14:00 Lunch

14:00-14:10 Welcome Address
S. Eming, C. C. Zouboulis

14:10-15:10 Oral Presentations I
Chairs: U. Lippert, K. Scharffetter-Kochanek

001 14:10 Inactivated Chlamydia trachomatis coupled to a nanoparticle-based TLR7 agonist induces a protective mucosal CD4+ T cell response
 G. Stary, A. Radovic-Moreno, D. Gondek, A. Olive, P. Basto, O. Farokhzad, R. Langer, M. Starnbach, U. von Andrian; Boston, Cambridge

002 14:20 A novel mouse model to study chemokine receptor CCR2 function and macrophage activation dynamics in skin inflammation
 S. Willenborg, G. van Loo, T. Krieg, M. Pasparakis, S. Eming; Cologne, Ghent

003 14:30 Innate immune signals trigger basophil dependent co-factor induced anaphylaxis independent of IgE
 F. Woelbing, S. Kaesler, W. Kempf, B. Siraskar, P. Eckstein, M. Koeberle, Y. Skabytska, F. Lang, P. Yu, D. Voehringer, M. Roecken, T. Biedermann; Tuebingen, Marburg, Erlangen

004 14:40 Epidermal cFLIP is a critical regulator of skin homeostasis and protects embryonic development in mice
 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, Heidelberg

005 14:50 Th1 cells induce TNFR1-dependent tumor dormancy
 H. Braumueller, E. Brenner, K. Braungart, M. Hahn, S. Assmann, S. Weidemann, T. Wieder, M. Roecken; Tuebingen

006 15:00 Cutaneous 4-1BB/4-1BB ligand signaling is involved in the development of a pruritus-like skin disease
 V. Kupas, D. Metze, S. Staender, L. Klenner, N. Sucker, R. Naumann, M. Maurer, S. Beissert, T. Luger, K. Loser; Muenster, Dresden, Berlin

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 14, 2013

15:20-15:40 Quo Vadis Lecture I
A. Bosserhoff, Regensburg:
Mamma MIA, here we go again
Introduction: M. Kunz

15:40-16:10 *Coffee break* with kind support from General Topics srl.

16:10-18:30 WORKSHOP
***The pilosebaceous unit beyond hair loss and acne:
A world waiting to be discovered***

Organisation/
Moderation: M. Boehm, C. C. Zouboulis

16:10-16:35 C. Niemann, Cologne
**The biology of epithelial stem cells and organ neogenesis:
Lessons from the pilosebaceous unit**

16:35-17:00 C. A. B. Jahoda, Durham
**The hair follicle mesenchyme: Cornucopia or Pandora's
box?**

17:00-17:25 P. Biró, Debrecen
**How endocannabinoids and TRP channels impact skin
physiology and pathology: Lessons from the pilosebaceous
unit**

17:25-17:50 R. Paus, Luebeck/Manchester
The hair follicle as the boss of skin biology

17:50-18:15 C. C. Zouboulis, Dessau
The sebaceous gland is the "brain" of the skin!

18:15-18:30 **Discussion**

***With kind support from AbbVie Deutschland GmbH & Co.
KG and Merz Pharma GmbH & Co. KGaA***

18:30-19:00 ADF 40

19:00-22:00 POSTER SESSION AND NETWORKING
With snacks and drinks
with kind support from Biotest AG.

Friday, March 15, 2013

08:30-09:30 Oral Presentations II
Chairs: C. Has, R. Paus

- 007 08:30 miR-638 as an oncomiR in malignant melanoma**
 A. Bhattacharya, U. Schmitz, Y. Raatz, M. Schoenherr, M. Kunz;
 Leipzig, Rostock
- 008 08:40 TNF- α reversibly shifts melanoma cells towards a dedifferentiated state leading to selectively impaired recognition by CD8+ T-cells specific for pigmentation antigens**
 J. Kohlmeyer, M. Rogava, J. Landsberg, M. Renn, T. Bald, M. Fatho, V. Lennerz,
 T. Woelfel, T. Tueting; Bonn, Mainz
- 009 08:50 Inflammatory gammadelta T cells critically contribute to psoriasiform dermatitis in the CD18^{hypo} PL/J mouse model**
 M. Gatzka, A. Hainzl, K. Singh, T. Peters, M. Wlaschek, J. Weiss, J. Fehling,
 K. Scharffetter-Kochanek; Ulm
- 010 09:00 GARP has immunoregulatory function on the differentiation process of CD4+ T cell**
 S. Hahn, H. Jonuleit, A. Tuettenberg; Mainz
- 011 09:10 Dimethylfumarate impairs neutrophil functions**
 S. Mueller, M. Behnen, S. Moeller, L. Hellberg, M. Haensel, D. Zillikens,
 W. Solbach, T. Laskay, R. Ludwig; Luebeck
- 012 09:20 Selective blocking of the interaction of extracellular cyclophilins with CD147 reduces recruitment of leukocytes during inflammation**
 C. Schiene-Fischer, M. Malesevic, D. Gutknecht, E. Prell, J. Simon, A. Saalbach;
 Halle/Saale, Leipzig

09:30-10:30 Poster walks and break
We thank Janssen-Cilag GmbH for the kind support.

Adaptive Immunity (M. Fabri)

Allergy (K. Hartmann)

Cellular Biology (A. Schwarz)

Clinical Research (R. Schopf)

Dermato-Endocrinology

(J. Reichrath)

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Oncology 1+2 (I. Helfrich, H. Schaidler)

supported by Bristol-Myers-Squibb GmbH

Psoriasis (R. Sabat) supported by Biogen Idec
GmbH

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Friday, March 15, 2013

10:30-11:10

GUENTER GOERZ MEMORIAL LECTURE

M. Roecken, Tuebingen

A stony way: From cancer killing to T cell-induced cancer senescence

Introduction: E. von Stebut-Borschitz

11:10-11:25

ADF Awards II

(Short presentations of awardees)

6th ADF/DSD Research Grant

R. Stadler, S. Eming

11:25-12:25

Oral Presentations III

Chairs: E. Peters, E. Tschachler

O13

11:25

Yes-associated protein 1 (YAP1) promotes melanoma metastasis

D. Meckbach, M. Menzel, B. Weide, N. Toussaint, K. Schilbach, T. Eigentler, K. Ikenberg, L. Quintanilla-Martinez, C. Busch, U. Kohlhofer, A. Goeke, F. Goeke, R. Handgretinger, C. Ottmann, B. Bastian, C. Garbe, M. Roecken, S. Perner, O. Kohlbacher, J. Bauer; Tuebingen, Zuerich, Bonn, Dortmund, San Francisco

O14

11:35

Reduction of UVA-induced oxidative stress via regulation of catalase – a novel photoprotective mechanism of alpha-melanocyte-stimulating hormone in cutaneous biology

A. Stegemann, A. Mastrofrancesco, M. Picardo, Z. Abdel-Malek, T. Luger, M. Boehm; Muenster, Rome, Ohio

O15

11:45

Low Zone Tolerance protects from Th1/Th17-mediated colitis

T. Schmidt, N. Lorenz, V. Raker, S. Reißig, A. Waisman, B. Weigmann, K. Steinbrink; Mainz, Erlangen

O16

11:55

Neutrophils play a central role in the sensitization and elicitation phase of contact hypersensitivity

F. Weber, T. Németh, B. Ozsvári, E. Oswald, K. Futosi, L. Puskás, T. Jakob, A. Mócsai, S. Martin; Freiburg, Budapest, Szeged

O17

12:05

A mutational storm revealed by Exome sequencing: Dramatic increase of UV signature mutations during development of skin cancer in Xeroderma pigmentosum patients.

P. Bauer, Y. Kamenisch, M. Sturm, C. Schroeder, C. Bauer, M. Roecken, O. Riess, M. Berneburg; Tuebingen

O18

12:15

In variegate porphyria, inactivation of both alleles of the protoporphyrinogen oxidase gene by null mutations gives rise to hepatocellular carcinoma

M. Siegesmund, A. van Tuyl van Serooskerken, P. Went, R. Bladergroen, X. Schneider-Yin, R. Cloots, A. Driessen, V. Winnepenninckx, A. zur Hausen, M. van Geel, E. Minder, J. Frank; Duesseldorf, Duesseldorf, Maastricht, Basel, Zuerich

Friday, March 15, 2013

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

With kind support from Biotest AG.

13:15-13:45 Information regarding DFG requests (K. Hartig)

14:25-15:25 Oral Presentations IV

Chairs: A. Tuettenberg, T. Krieg

O19 14:25 The neural transcription factor SOX10 promotes melanoma cell invasion and regulates migration-associated genes

S. Graf, C. Busch, A. Bosserhoff, M. Irmler, R. Besch, C. Berking; Munich, Tuebingen, Regensburg, Neuherberg/Munich

O20 14:35 Beta arrestin-2 signalling attenuates contact allergic inflammation and modulates chemokine secretion of keratinocytes

M. Cron, N. Glodde, R. Schroeder, E. Kostenis, T. Tueting, E. Gaffal; Bonn

O21 14:45 Characterization of the oxytocin system in human skin

V. Deing, J. Kuehnl, D. Roggenkamp, A. Gruschka, F. Staeb, H. Wenk, G. Neufang; Hamburg

O22 14:55 Dermal dendritic cells promote healing and induce protective immunity against Leishmania major

K. Kautz-Neu, S. Dinges, A. Mauer, E. von Stebut; Mainz

O23 15:05 Regulation of the transcription factor c- Jun in malignant melanoma by the cytoskeleton

M. Kappelmann, S. Kuphal, A. Bosserhoff; Regensburg

O24 15:15 Casein kinase II regulates the intracellular trafficking of the antigen receptor DEC205 to lysosomal compartments

R. Koch, C. Pilz, S. Ring, A. Enk, K. Mahnke; Heidelberg

15:25-15:45 Quo Vadis Lecture II

J. Distler, Erlangen

I have a dream of softened skin

Introduction: M. Boehm

Friday, March 15, 2013

15:45-16:00

ADF Awards III

(Short presentations of awardee)

Egon Macher Award*

J. Frank, K. Schaekel

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

16:00-16:30

Coffee break + Best of ADF Winter School 2013

16:30-17:30

GUEST LECTURE

Ulrich von Andrian, Boston (USA)

Not always as expected: Adaptive immune response to viral infections

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

We are proud to invite you to the venue of the modern architecture movement at the

Bauhaus Dessau,

Gropiusallee 38, 06846 Dessau-Roßlau

Sponsored by Bioderma

Saturday, March 16, 2013

09:00-10:00

Oral presentations V

Chairs: K. Hartmann, L. French

O25 09:00

Oncogene and copy number analysis of a larger cohort of conjunctival melanoma

K. Griewank, H. Westekemper, B. Schilling, M. Mach, R. Murali, T. Wiesner, T. Schimming, F. Grabellus, C. Metz, A. Sucker, U. Hillen, M. Speicher, S. Woodman, K. Steuhl, D. Schadendorf; Essen, Graz, Houston, New York

O26 09:10

cAMP regulated proinflammatory programming of human 6-sulpho LacNAC (slan) dendritic cells

H. Prakash, A. Kunze, S. Oehrl, T. Giese, K. Schaekel; Heidelberg

O27 09:20

Allergic inflammation in the skin modifies the central stress response in a neuropeptide and neurotrophin dependent manner

E. Peters, C. Liezmann, S. Pavlovic, OE. Arif, M. Rose, B. Klapp, J. Kruse; Berlin, Gießen

O28 09:30

Effects of AhR activation on the maturation of human Langerhans cells

S. Richter, D. Waltenberger, B. Gesselbauer, M. Merio, G. Zlabinger, H. Strobl; Vienna, Graz

O29 09:40

Correlation of Merkel Cell Polyomavirus positivity with PDGFR mutations and Survivin expression in Merkel Cell Carcinoma

M. Batinica, P. Zigrino, B. Akguel, H. Pfister, C. Mauch; Cologne

O30 09:50

Serum levels of IL-31 are increased in mastocytosis and correlate with disease severity in adult patients

K. Hartmann, N. Wagner, A. Rabenhorst, L. Pflanz, S. Leja, A. Foerster, M. Gehring, A. Kapp, U. Raap; Cologne, Darmstadt, Hanover

10:00-10:20

Quo Vadis Lecture III

T. Kuendig, Zuerich:

Take a chance on me, immunotherapy

Introduction: C. Traidl-Hoffmann

10:20-11:05

POSTER SESSION (all even poster numbers)

11:05-11:50

POSTER SESSION (all odd poster numbers)

With kind support from Biotest AG.

Saturday, March 16, 2013

11:50-12:50

Oral Presentations VI

Chairs: S. Grabbe, E. Schmidt

- O31 11:50 HPV 16 activates the AIM2 inflammasome in keratinocytes**
M. Reinholz, Y. Kawakami, A. Kreuter, Y. Dombrowski, S. Koglin, S. Salzer,
T. Ruzicka, J. Schaubert; Munich, Bochum
- O32 12:00 Mast cells control skin wound infections with *Pseudomonas aeruginosa***
C. Sieber, D. Troeltzsch, F. Siebenhaar, M. Maurer; Berlin
- O33 12:10 Generation of multifunctional immunostimulatory siRNAs for melanoma targeting uPAR**
F. Matheis, C. Kammerbauer, C. Berking, R. Besch; Munich
- O34 12:20 Basophils and wasp venom immunotherapy: decreased venom-induced activation accompanied by increased expression of immunoglobulin receptors**
A. Kerstan, J. Stoevesandt, M. Goebeler, A. Trautmann; Wuerzburg
- O35 12:30 The biologic effect of IL-36 on skin cells**
R. Doble, M. Stacey, D. McGonagle, M. Wittmann; Leeds, Bradford
- O36 12:40 Reprogramming of human melanoma cells towards induced pluripotency**
M. Bernhardt, D. Novak, K. Weina, M. Galach, D. Roth, J. Utikal;
Heidelberg, Mannheim

12:50-13:20

POSTER AWARDS AND TRAVEL GRANTS*

Chairs: K. Loser, M. Maurer

**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

S. Eming

POSTER SESSIONS

All posters:	Thursday,	March 14,	19:00-22:00 Uhr
Even poster numbers:	Friday,	March 15,	12:25-13:25 Uhr
	Saturday,	March 16,	10:20-11:05 Uhr
Odd poster numbers:	Friday,	March 15,	13:25-14:25 Uhr
	Saturday,	March 16,	11:05-11:50 Uhr

Allergy

- P001** **Characterization of T cells specific to the human autoantigen Hom s 2 in atopic dermatitis on single cell level**
L. Roesner, A. Heratizadeh, H. Balaji, S. Hradetzky, I. Mittermann, R. Valenta, C. Hennig, G. Hansen, W. Kwok, T. Werfel; Hanover, Vienna, Seattle
- P002** **Serum levels of IL-31 are increased in mastocytosis and correlate with disease severity in adult patients**
K. Hartmann, N. Wagner, A. Rabenhorst, L. Pflanz, S. Leja, A. Foerster, M. Gehring, A. Kapp, U. Raap; Cologne, Darmstadt, Hanover
- P003** **Cellular Sources of Interleukin-10 during the Resolution Phase in Contact Hypersensitivity**
A. Preuhsler, S. Kunz, R. Toelle, A. Roers, S. Martin, T. Jakob; Freiburg, Dresden
- P004** **Induction of IL-1 β production in immature human dendritic cells depends on the alum preparation applied in vitro**
B. Heydenreich, I. Bellinghausen, P. Wuertzen, J. Saloga; Mainz, Horsholm
- P005** **Low Zone Tolerance protects from Th1/Th17-mediated colitis**
T. Schmidt, N. Lorenz, V. Raker, S. Reißig, A. Waisman, B. Weigmann, K. Steinbrink; Mainz, Erlangen
- P006** **Topical application of 9-tetrahydrocannabinol attenuates contact allergic inflammation through cannabinoid receptor 1/2-independent effects on keratinocytes**
N. Glodde, M. Cron, R. Steuder, A. Zimmer, T. Tueting, E. Gaffal; Bonn
- P007** **Interleukin-33 promotes proliferation of mouse mast cells**
R. Saluja, J. Eberle, M. Maurer; Berlin
- P008** **Cytokine responses induced by the human autoallergen thioredoxin**
S. Hradetzky, L. Roesner, A. Heratizadeh, R. Cramer, A. Scheynius, T. Werfel; Hanover, Davos, Stockholm
- P009** **Induction of TSLP in murine skin does not require endogenous TNF**
V. Kumari, M. Babina, M. Worm; Berlin
- P010** **Effect of venom immunotherapy on expression of TIM-molecules on T cells and dendritic cells**
A. Correll, J. Saloga; Mainz

- P011** **Development of a standardized puls-controlled ergometry test for diagnosing and investigating cholinergic urticaria**
S. Altrichter, A. Werner, E. Ardelean, J. Salow, M. Maurer; Berlin
- P012** **Beta arrestin-2 signalling attenuates contact allergic inflammation and modulates chemokine secretion of keratinocytes**
M. Cron, N. Glodde, R. Schroeder, E. Kostenis, T. Tueting, E. Gaffal; Bonn
- P013** **Innate immune signals trigger basophil dependent co-factor induced anaphylaxis independent of IgE**
F. Woelbing, S. Kaesler, W. Kempf, B. Siraskar, P. Eckstein, M. Koeberle, Y. Skabytska, F. Lang, P. Yu, D. Voehringer, M. Roecken, T. Biedermann; Tuebingen, Marburg, Erlangen
- P014** **Basophils and wasp venom immunotherapy: decreased venom-induced activation accompanied by increased expression of immunoglobulin receptors**
A. Kerstan, J. Stoevesandt, M. Goebeler, A. Trautmann; Wuerzburg
- P015** **Identification of IgE-binding epitopes on treatment antibodies: a pilot study**
S. Minge, A. Kromminga, T. Platts-Mills, U. Jappe;
Borstel, Hamburg, Charlottesville, Luebeck
- P016** **Metal allergens nickel and cobalt facilitate TLR4 homodimerization independently of MD2**
B. Raghavan, S. Martin, P. Esser, M. Goebeler, M. Schmidt; Wuerzburg, Freiburg
- P017** **Immune alterations in birch pollen allergy patients treated with chemically modified allergens (allergoids)**
C. Moebis, B. Adams, M. Hertl, W. Pfuetzner; Marburg
- P018** **Recurring nearly deadly mosquito bites in a patient with mast cell activation syndrome**
N. Reiter, M. Maurer, F. Siebenhaar; Berlin
- P019** **Pollen activate the NLRP3 inflammasome in human keratinocytes**
D. Dittlein, J. Hiller, S. Gilles, C. Schmidt-Weber, H. Behrendt, J. Ring,
C. Traidl-Hoffmann; Munich
- P020** **Cell-cell contact is essential for IgE-regulating activity of human CD8-positive cytotoxic T lymphocytes in vitro**
C. Leo, B. Bonnekoh, H. Gollnick, A. Ambach; Magdeburg
- P021** **Role of CD19pos lymphocytes in human IgE-production in vitro**
M. Czarnecka, B. Bonnekoh, H. Gollnick, A. Ambach; Magdeburg, Poznan
- P022** **Hyperreleasability of Basophilic Granulocytes in vitro from Patients with Atopic Dermatitis and Hyper-IgE-emia is Independent of the Activating Mechanism**
W. Woelfer, B. Bonnekoh, M. Schneider, M. Braeutigam, H. Gollnick, A. Ambach;
Magdeburg, Schoenenbuch, Nuernberg

Cellular Biology

- P023 High-sulfated hyaluronan prevents TGFbeta-1 induced myofibroblast differentiation by occupation of TGFbeta-1 receptor I binding site**
A. van der Smissen, S. Samsonov, V. Hintze, D. Scharnweber, S. Moeller, M. Schnabelrauch, M. Pisabarro, U. Anderegg; Leipzig, Dresden, Jena
- P024 Dimethylfumarate impairs lymphangiogenesis by cell cycle arrest**
M. Doll, R. Kaufmann, M. Meissner; Frankfurt am Main
- P025 Selective blocking of the interaction of extracellular cyclophilins with CD147 reduces recruitment of leukocytes during inflammation**
C. Schiene-Fischer, M. Malesevic, D. Gutknecht, E. Prell, J. Simon, A. Saalbach; Halle/Saale, Leipzig
- P026 Functional biomacromolecules and their properties on human HaCaT keratinocytes in co-culture with bacteria**
S. Finger, C. Wiegand, D. Winter, T. Liebert, T. Heinze, U. Hipler; Jena
- P027 Cucurbiturils – supramolecular host molecules with high cytocompatibility**
K. Reddersen, S. Fink, C. Wiegand, U. Hipler; Jena
- P028 Ex vivo pathogenicity of anti-laminin gamma 1 antibodies**
F. Florea, C. Bernards, L. Bruckner-Tuderman, T. Hashimoto, M. Koch, C. Sitaru; Freiburg, Cologne, Kurume
- P029 Premature dendritic cells regulate expression of metalloproteinases in dermal fibroblasts**
M. Busch, A. Saalbach, T. Janik, J. Simon; Leipzig
- P030 The role of Occludin and ZO-1 in wound healing**
T. Volksdorf, J. Lentfer, N. Kirschner, C. Bohner, M. Zorn-Kruppa, S. Sehner, I. Moll, J. Brandner; Hamburg
- P031 Role of individual respiratory chain molecules for fibroblast ageing**
M. Schauer, T. Kottek, M. Hirose, S. Ibrahim, M. Kunz; Leipzig, Luebeck
- P032 Kinome profiling of human regulatory T cells reveals novel target structures to modify their functional activity**
K. Satoh, J. Joore, J. Kubach, H. Jonuleit, A. Tuettenberg; Mainz, Utrecht
- P033 Modulation of cellular functions by artificial extracellular matrices used as biomaterial coatings**
S. Franz, D. Scharnweber, M. Schnabelrauch, J. Simon, U. Anderegg; Leipzig, Dresden, Jena, Leipzig/Dresden
- P034 Contribution of tight junction proteins to ion, macromolecule, and water barrier in keratinocytes: no direct effect of claudin-1 on water barrier**
N. Kirschner, R. Rosenthal, M. Furuse, I. Moll, M. Fromm, J. Brandner; Hamburg, Berlin, Kobe
- P035 Identification of microRNAs differentially regulated during human sebaceous lipogenesis**
M. Schneider, C. Zouboulis; Munich, Dessau

- P036** **Low Concentrations of Curcumin in Combination with UVA Reduce Collagen Expression in Human Skin Fibroblasts**
C. Kameteu Chejui, D. Albeth, M. Butting, N. Zoeller, S. Kippenberger, R. Kaufmann, A. Bernd; Frankfurt am Main
- P037** **Sebaceous gland size and sebocyte number are dependent upon hair follicle cycle stage in murine skin**
E. Hinde, I. Haslam, C. Schramm, K. Kawai, R. Paus, J. Kloepper; Manchester, Alderley Park, Kagoshima, Luebeck
- P038** **Epidermal cFLIP is a critical regulator of skin homeostasis and protects embryonic development in mice**
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, Heidelberg
- P039** **The role of visceral adipose tissue derived serine protease inhibitor in psoriasis**
J. Tremel, A. Saalbach, K. Vester, M. Blueher, J. Simon; Leipzig
- P040** **Keratinocyte differentiation from human induced pluripotent stem cells**
M. Galach, L. Larribere, D. Novak, D. Roth, M. Bernhardt, J. Utikal; Heidelberg, Mannheim
- P041** **Reprogramming of human melanoma cells towards induced pluripotency**
M. Bernhardt, D. Novak, K. Weina, M. Galach, D. Roth, J. Utikal; Heidelberg, Mannheim
- P042** **Pseudomonas aeruginosa-induced RNase 7 expression in keratinocytes is regulated by epidermal growth factor receptor - signaling**
F. Rademacher, L. Schroeder, M. Simanski, J. Harder; Kiel
- P043** **Characterization of the Kallikrein Inhibitor mouse Spink6**
J. Fischer, Y. Koblyakova, N. Graumann, O. Dmitrieva, J. Schroeder, E. Proksch, U. Meyer-Hoffert; Kiel
- P044** **Gi-dependent leukocyte transmigration induces hemorrhage in thrombocytopenia**
A. Steingraeber, C. Hillgruber, B. Poeppelmann, R. Hallmann, T. Goerge; Muenster
- P045** **Von Willebrand factor (VWF) promotes cutaneous leukocyte extravasation**
C. Hillgruber, A. Steingraeber, B. Poeppelmann, D. Vestweber, S. Schneider, T. Goerge; Muenster, Mannheim
- P046** **Treatment of autoimmune disease with siRNA targeting p40**
J. Brueck, S. Pascolo, J. Geisel, I. Glocova, C. Kellerer, K. Fuchs, B. Pichler, A. Yazdi, M. Roecken, K. Ghoreschi; Tuebingen, Zuerich
- P047** **Epigen activates a stem cell pool of the developing sebaceous gland and increases sebum production**
M. Dahlhoff, M. Schneider; Munich
- P048** **Casein kinase II regulates the intracellular trafficking of the antigen receptor DEC205 to lysosomal compartments**
R. Koch, C. Pilz, S. Ring, A. Enk, K. Mahnke; Heidelberg

- P049** **Deregulated Akt/mTOR signaling interferes with the balance between keratinocyte proliferation and differentiation and thereby contributes to the pathogenesis of psoriasis**
 O. Franke, A. Eiser, B. Malisiewicz, S. Diehl, V. Lang, K. Steinhorst, W. Boehncke, C. Buerger; Frankfurt am Main, Geneva
- P050** **Dimethylfumarate and NF-B- Inhibitors: Synergistic effects and implications for future therapies**
 A. Hund, A. Lockmann, M. Schoen; Goettingen
- P051** **Telomerase stimulates RNA polymerase I transcription**
 O. Gonzalez, R. Assfalg, S. Koch, A. Schelling, K. Scharffetter-Kochanek, C. Guenes, S. Iben; Ulm
- P052** **DNase 2 is essential for DNA degradation in terminally differentiated cells of the sebaceous gland and of the hair follicle isthmus**
 H. Fischer, M. Ghannadan, M. Buchberger, J. Fumicz, E. Tschachler, L. Eckhart; Vienna
- P053** **Autophagy controls sequestosome-1 in the thymic epithelium and in the epidermis**
 S. Sukseree, H. Rossiter, C. Zhang, F. Gruber, R. Watanapokasin, L. Eckhart, E. Tschachler; Vienna
- P054** **Dimethylfumarate impairs neutrophil functions**
 S. Mueller, M. Behnen, S. Moeller, L. Hellberg, M. Haensel, D. Zillikens, W. Solbach, T. Laskay, R. Ludwig; Luebeck

Chemokines/Cytokines

- P055** **Bovine milk-supplemented medium induces pro-inflammatory cytokines in human fibroblasts in vitro**
 S. Kippenberger, M. Meissner, J. Mueller, R. Kaufmann, A. Bernd; Frankfurt am Main
- P056** **Dimethylfumarate inhibits TNF- α induced expression of atherosclerosis associated cytokines and chemokines in human endothelial cells**
 S. Gerhardt, V. Koenig, I. Hrgovic, S. Kippenberger, R. Kaufmann, M. Meissner; Frankfurt/Main
- P057** **Contrasting, cell type-specific role of ASC in epithelial skin cancer**
 S. Drexler, J. Tschopp, A. Yazdi; Lausanne, Tuebingen
- P058** **IL-31 affects the formation of the mechanical skin barrier and strengthens the antimicrobial defense of the skin partially by upregulating IL-1alpha expression.**
 K. Haenel, C. Cornelissen, P. Amann, Y. Marquardt, K. Czaja, J. Luescher-Firzlaff, B. Luescher, J. Baron; Aachen
- P059** **The biologic effect of IL-36 on skin cells.**
 R. Doble, M. Stacey, D. McGonagle, M. Wittmann; Leeds, Bradford
- P060** **Th1 and Th2 Cytokines Modulate Differentiation and Differentiation-Related Calcium Channels in Keratinocytes**
 F. Schaefer, U. Woelfle, K. Leuner, C. Schempp, W. Mueller; Frankfurt am Main, Erlangen, Freiburg

- P061** **Distinct contributions of cytokines to autoantibody-induced tissue injury**
 U. Samavedam, M. Hirose, H. Sadeghi, M. Kasperkiewicz, M. Jonkman, J. Scheller, K. Kalies, J. Westermann, E. Schmidt, A. Lockmann, A. Hund, T. Hashimoto, M. Schoen, D. Zillikens, S. Rose-John, R. Ludwig;
 Luebeck, Groningen, Duesseldorf, Goettingen, Kurume, Kiel

Clinical Research

- P062** **Treatment of chronic venous leg ulcers with a hand-held DBD plasma generator (PlasmaDerm® VU-2010): Results of a monocentric, two-armed, open, randomized, and controlled trial (NCT01415622)**
 F. Brehmer, H. Haenßle, G. Daeschlein, R. Ahmed, A. Goerlitz, D. Simon, M. Schoen, D. Wandke, S. Emmert; Goettingen, Greifswald, Duderstadt
- P063** **Development and Validation of the Angioedema Activity Score (AAS)**
 K. Weller, A. Groffik, M. Magerl, N. Tohme, P. Martus, K. Krause, M. Metz, P. Staubach, M. Maurer; Berlin, Mainz, Tuebingen
- P064** **Underlying causes of chronic spontaneous urticaria can not be predicted based on age or gender of patients or clinical characteristics such as activity, duration or impact of disease**
 K. Weller, M. Magerl, S. Altrichter, K. Krause, M. Metz, F. Siebenhaar, M. Maurer; Berlin
- P065** **High-dose bilastine effectively reduces temperature thresholds in**
 K. Krause, A. Spohr, M. Church, T. Zuberbier, M. Maurer; Berlin
- P066** **A 16-week open-label study on the efficacy and safety of canakinumab treatment in urticarial vasculitis**
 K. Krause, A. Mahamed, M. Maurer; Berlin
- P067** **Bacterial colonization in hidradenitis suppurativa/acne inversa: a prospective study on 50 patients**
 A. Liakou, G. Nikolakis, H. Seltmann, N. Bonitsis, S. Zolker-Fischer, K. Langner, C. Zouboulis; Dessau
- P068** **Platelet-activating factor (PAF) induces wheal and flare skin reactions independent of mast cell degranulation**
 M. Abajian, K. Krause, A. Giménez-Arnau, E. Martinez-Escala, M. Farré-Albadalejo, M. Church, M. Maurer; Berlin, Barcelona
- P069** **Rupatadine treatment improves quality of life in patients with mastocytosis: a randomized, double-blind, placebo-controlled trial**
 F. Siebenhaar, A. Foertsch, M. Maurer; Berlin
- P070** **Assessment of the influence of skin care products on age-associated skin quality and stress reaction**
 R. Elewa, E. Camera, J. Fluhr, M. Picardo, G. Beauchef, C. Heusèle, M. Abdallah, C. Zouboulis; Dessau, Cairo, Rome, Berlin, Paris
- P071** **A randomized, double-blind, vehicle-controlled study of diclofenac 3% in hyaluronic acid 2.5% gel for the treatment of actinic keratoses**
 C. Dessinioti, A. Panagiotopoulos, P. Verra, N. Papagiannaki, P. Stavropoulos, A. Katsambas, C. Antoniou; Athens

- P072** **Downregulation of DNA repair by an antimycotic drug leads to a phenotype resembling Xeroderma pigmentosum and increased skin cancer.**
S. Giovannini, Y. Kamenisch, N. Kobert, L. Weibel, M. Berneburg; Tuebingen, Zuerich
- P073** **Increased Prevalence of Metabolic Syndrome in Patients with Acne Inversa**
R. Sabat, A. Chanwangpong, S. Schneider-Burrus, D. Metternich, G. Kokolakis, A. Kurek, S. Philipp, D. Uribe, K. Wolk, W. Sterry; Berlin
- P074** **Depression is a frequent comorbidity in acne inversa**
A. Kurek, E. Peters, R. Sabat, W. Sterry, S. Schneider-Burrus; Berlin
- P075** **Low dose oral isotretinoin for seborrhoea control – a randomized clinical, laboratorial and quality of life study to assess efficacy and safety. Preliminary results**
C. Kamamoto, L. Guadanhim, A. Nishikaku, F. Fernandes, A. Sanudo, A. Melo, O. Gompertz, A. Colombo, E. Bagatin; Sao Paulo
- P076** **Degranulation of Basophilic Granulocytes from Patients with Extrinsic Atopic Dermatitis is slowed down during Treatment with Omalizumab**
A. Ambach, B. Bonnekoh, M. Schneider, M. Braeutigam, H. Gollnick; Magdeburg, Schoenenbuch, Nuernberg
- P077** **Localized Bullous pemphigoid restricted to the anal region. Clearing and maintenance by topical clobetasol and pimecrolimus treatment**
R. Schopf; Mainz
- P078** **Anti-IL-23p19 (MK-3222): effects on the hallmarks of inflammation in psoriasis**
C. Bangert, D. Laimer, E. Riedl, B. Reininger, E. Greisenegger, A. Horowitz, D. Xu, R. Liu, M. Morrison, G. Stingl, T. Kopp; Vienna, White House Station, NJ
- P079** **The role of Thymosin-beta-4 in the pathogenesis of cold induced urticaria**
A. Redlin, S. Altrichter, K. Krause, F. Siebenhaar, M. Metz, M. Maurer; Berlin

Dermato-Endocrinology

- P080** **A novel role for relaxin-2 in the pathogenesis of primary varicosis**
J. Adams, S. Schott, A. Bern, M. Renz, K. Ikenberg, C. Garbe, C. Busch; Tuebingen, Heidelberg, Zuerich
- P081** **Human Merkel cells: derived from epidermal or neural progenitors? An immunohistochemical approach**
T. Tilling, E. Wladykowski, P. Houdek, J. Brandner, I. Moll; Hamburg
- P082** **Key hormones of the hypothalamic-pituitary-thyroid (HPT) axis regulate mitochondrial biology in human hair follicles in situ**
S. Vidali, J. Knuever, J. Lerchner, M. Giesen, T. Bíró, B. Kofler, M. Klinger, B. Poeggeler, R. Paus; Luebeck, Freiberg, Duesseldorf, Debrecen, Salzburg, Manchester
- P083** **Withdrawn**
- P084** **Characterization of the oxytocin system in human skin**
V. Deing, J. Kuehnl, D. Roggenkamp, A. Gruschka, F. Staeb, H. Wenk, G. Neufang; Hamburg

- P085** **IGF-1 activates phosphoinositide-3-kinase (PI3K)/Akt/FoxO1 pathway in SZ95 Sebocytes in vitro**
Y. Mirdamadi, A. Thielitz, A. Wiede, E. Papakonstantinou, M. Lotzing, L. Simeoni, C. Zouboulis, H. Gollnick; Magdeburg, Dessau
- P086** **Prolactin and prolactin receptor are expressed in human corporal skin, and substance P, interferon gamma and tumour necrosis factor alpha represent novel regulators of prolactin expression in human skin and hair follicles**
E. Langan, S. Vidali, T. Bíró, V. Goffin, C. Griffiths, R. Paus; Manchester, Luebeck, Debrecen, Paris
- P087** **The alpha 7 nicotinic acetylcholine receptor – an emerging target counterregulating inflammatory responses of epidermal keratinocytes**
A. Stegemann, M. Boehm; Muenster
- P088** **Reduction of UVA-induced oxidative stress via regulation of catalase - a novel photoprotective mechanism of alpha-melanocyte-stimulating hormone in cutaneous biology**
A. Stegemann, A. Mastrofrancesco, M. Picardo, Z. Abdel-Malek, T. Luger, M. Boehm; Muenster, Rome, Ohio
- P089** **KdPT: a novel small molecule protective against impaired wound healing in diabetes?**
P. Gkogkolou, M. Sarna, T. Luger, M. Boehm; Muenster, Cracow
- P090** **Nox4 - an emerging target for the future treatment of scleroderma**
H. Dosoki, A. Stegemann, N. Weiß, C. Brunßen, H. Morawietz, T. Luger, C. Kerkhoff, M. Boehm; Muenster, Dresden, Rostock
- P091** **Extracellular calcium and 1,25 dihydroxyvitamin D3 significantly increase SZ95 sebocyte plating efficiency and cell amount and modulate lipid synthesis in vitro**
M. Abdel-Naser, H. Seltmann, G. Menon, C. Zouboulis; Dessau, Wayne, NJ
- P092** **Differential expression of nuclear vitamin D receptor (VDR) cofactors contributes to the resistance of melanoma cell lines against the antiproliferative effects of 1,25-dihydroxyvitamin D3 (1,25(OH)2D3)**
V. Planz, T. Vogt, J. Reichrath; Homburg
- P093** **Genetic variants (SNPs) of genes involved in skin pigmentation are associated with 25(OH)D serum concentration**
R. Saternus, S. Graeber, S. Pilz, M. Kleber, W. Maerz, T. Vogt, J. Reichrath; Homburg, Graz, Mannheim
- P094** **Glutamate metabolism is a target in the aging process: a study in human hair follicles**
E. Peters, C. Liezmann, M. Daniltchenko, D. Imfeld, J. Kruse, B. Klapp, R. Campiche; Berlin, Gießen, Basel
- P095** **Allergic inflammation in the skin modifies the central stress response in a neuropeptide and neurotrophin dependent manner**
E. Peters, C. Liezmann, S. Pavlovic, OE. Arif, M. Rose, B. Klapp, J. Kruse; Berlin, Gießen

- P096** **Chronically perceived stress during exam affects healthy young women: consequences for stress-mediator release and TH17 immunity**
E. Peters, W. Snaga, C. Liezmann, T. Schmidt-Rose, D. Schweiger, M. Rose, B. Klapp, J. Kruse; Berlin, Gießen, Hamburg
- P097** **Further investigation of the pathogenetic role of subtilisin kexin isoenzyme-1 in human melanoma**
N. Weiß, A. Stegemann, D. Metze, A. Volchuk, C. Weishaupt, T. Luger, M. Boehm; Muenster, Toronto, Ontario
- P098** **Prohormone convertase PC5/6 – an emerging player in melanoma biology?**
N. Weiß, A. Stegemann, C. Weishaupt, T. Luger, M. Boehm; Muenster
- P099** **Prospective investigation of 25(OH)D3 serum concentration following UVB narrow band phototherapy in patients with psoriasis and atopic dermatitis**
A. Weinhold, R. Obeid, T. Vogt, J. Reichrath; Homburg
- P100** **Alterations of sebum composition triggers acne vulgaris**
C. Zouboulis; Dessau
- P101** **Treatment algorithm of hidradenitis suppurativa / acne inversa**
C. Zouboulis; Dessau
- P102** **Detection of melanocortin receptors in human eccrine sweat gland epithelia in situ and in vitro**
M. Apel, D. Metze, R. Lang, B. Kofler, T. Luger, M. Boehm; Muenster, Salzburg
- P103** **Endocannabinoids regulate connective tissue and mucosal type mast cell activation and maturation via cannabinoid receptor-1 in situ**
K. Sugawara, N. Zákány, T. Hundt, B. Toth, A. Kromminga, D. Tsuruta, V. Emelianov, W. Funk, C. Schaefer, B. Gibbs, J. Kloepper, T. Bíró, R. Paus; Luebeck, Osaka, Debrecen, Hamburg, Munich, Kent, Manchester
- P104** **Human epithelial stem cells need "tonic" cannabinoid receptor-1 mediated signaling**
K. Sugawara, N. Zákány, S. Tiede, M. Harries, I. Haslam, H. Schlueter, N. Ernst, P. Kaur, T. Bíró, R. Paus; Luebeck, Osaka, Debrecen, Manchester, Melbourne
- P105** **Wnt signalling is a key regulator of human skin ageing**
E. Makrantonaki, R. Elewa, V. Zampeli, B. Mlody, A. Hossini, U. Krause, J. Knolle, J. Adjaye, C. Zouboulis; Dessau, Berlin
- P106** **Novel pattern of sebaceous differentiation and lipogenesis induced by the ω -9 fatty acid palmitic acid.**
H. Seltmann, G. Nikolakis, C. Zouboulis; Dessau
- P107** **The Th1/Th17 cytokine-milieu favours NALP1 inflammasome activity and IL-1 release in psoriasis**
S. Zwicker, E. Hattinger, T. Ruzicka, R. Wolf; Munich
- P108** **Conversion of skin fibroblasts of patients with Alzheimer's disease into induced pluripotent stem cells**
A. Hossini, E. Makrantonaki, M. Megges, A. Prigione, H. Lehrach, J. Adjaye, C. Zouboulis; Dessau, Berlin

- P109** **Single nucleotide polymorphisms (SNPs) in genes involved in the vitamin D endocrine system are associated with risk for cutaneous basal cell carcinomas (BCCs) and squamous cell carcinomas (SCCs)**
M. Koreng, S. Reichrath, S. Graeber, A. Weinhold, T. Vogt, J. Reichrath; Homburg
- P110** **Induced pluripotent stem cell-derived neurons from a sporadic Alzheimer's disease donor as a model for investigating disease mechanisms**
A. Hossini, E. Makrantonaki, M. Megges, A. Prigione, B. Lichtner, M. Toliat, P. Nuernberg, H. Kroll, H. Lehrach, J. Adjaye, C. Zouboulis; Dessau, Berlin, Cologne, Duesseldorf
- P111** **Impact of arachidonic acid and staurosporine on apoptosis of SZ95 sebocytes**
T. Exner, A. Hossini, H. Seltmann, E. Makrantonaki, C. Grabowsky, C. Zouboulis; Dessau
- P112** **Melatonin activates the transcription factor Nrf2 and phase-2 antioxidant enzymes in UV-irradiated human keratinocytes**
K. Kleszczynski, N. Kruse, D. Zillikens, T. Fischer; Luebeck
- P113** **Melatonin counteracts UVR-induced up-regulation of HSP70 expression in human ex vivo skin**
K. Kleszczynski, S. Tukaj, D. Zillikens, M. Kasperkiewicz, T. Fischer; Luebeck
- P114** **Sulforaphane and phenylethyl isothiocyanate protect human skin from UV-induced inflammation and apoptosis**
I. Ernst, K. Kleszczynski, A. Wagner, N. Kruse, D. Zillikens, G. Rimbach, T. Fischer; Kiel, Luebeck

Dermatopathology

- P115** **The Alarmins Psoriasin (S100A7) and Koebnerisin (S100A15) suppress the extracellular matrix production in the skin**
G. Gauglitz, D. Bureik, S. Zwicker, T. Ruzicka, R. Wolf; Munich
- P116** **Inflammatory cells and Th2 cytokines in chronic spontaneous urticaria**
E. Ardelean, A. Mlynek, S. Ying, M. Maurer, B. Kay; Berlin, London
- P117** **Correlation of Merkel Cell Polyomavirus positivity with PDGFR mutations and Survivin expression in Merkel Cell Carcinoma**
M. Batinica, P. Zigrino, B. Akguel, H. Pfister, C. Mauch; Cologne
- P118** **Eczema in psoriatico: further results to close the gap between palmoplantar psoriasis and palmoplantar chronic contact dermatitis. A clinical, histological and immunohistological study.**
M. Kolesnik, I. Franke, H. Gollnick; Magdeburg
- P119** **Establishment of an immunohistochemical marker panel for the diagnosis of skin graft-versus-host disease**
J. Wegner-Kops, C. Braun, A. Kreft, R. Meyer, E. von Stebut; Mainz
- P120** **Interaction between epicutaneously applied ceramides and human stratum corneum**
J. Wohlrab, S. Goldammer; Halle (Saale)
- P121** **The epidermal alterations in psoriasis are mediated by IL-22R1 and are amplified by TNF-alpha**
K. Wolk, E. Witte, K. Witte, K. Warszawska, S. Kirsch, S. Philipp, H. Volk, W. Sterry, R. Sabat; Berlin

Epidemiology

- P122** **Demographic data of Adamantiades-Behçet Disease patients in Germany (2013) with focus on Turkish and German descent and juvenile and adult onset**
A. Altenburg, N. Bonitsis, C. Micheli, A. Mahr, C. Maldini, C. Zouboulis; Dessau, Paris
- P123** **Role of filaggrin gene mutations and atopy in severe occupational irritant contact dermatitis of the hands**
R. Brans, L. Landeck, M. Visser, C. Skudlik, S. Kezic, S. John; Osnabrueck, Amsterdam
- P124** **Incidence and determinants of chronic pruritus: A population-based cohort study**
U. Matteredne, C. Apfelbacher, A. Loerbroks, L. Vogelgsang, E. Weisshaar; Heidelberg, Regensburg, Mannheim
- P125** **Psychometric properties of the DLQI: Applying the Rasch model in a sample of hand eczema patients**
R. Ofenloch, E. Weisshaar, P. Elsner, T. Diepgen, C. Apfelbacher; Heidelberg, Regensburg, Jena
- P126** **Frequency of melanoma, basacell carcinoma and spinocellular carcinoma in a subset of 6 dermatological ambulances in Berlin**
F. Gellrich, T. Hoffmann, M. Manasterski, H. Rochow, U. Hettmannsperger, S. Chizari, D. Neuendorf, D. Krahl, H. Roewert, S. Gellrich; Dresden, Berlin, Heidelberg
- P127** **Prevalence of acne, obesity and hyperandrogenism in patients with Down syndrome**
E. Bagatin, L. Guadanhim, C. Kamamoto, D. Saraiva, L. Cesar, F. Colombo; Sao Paulo

Genetics

- P128** **Functional molecular-genetic analysis of 16 XP-C patients from Germany: Environmental factors predominately contribute to phenotype variations**
A. Schaefer, L. Hofmann, A. Gratchev, P. Laspe, S. Schubert, A. Schuerer, A. Ohlenbusch, M. Tzvetkov, C. Hallermann, J. Reichrath, M. Schoen, S. Emmert; Goettingen, Mannheim, Muenster, Homburg
- P129** **Low incidence of oncogenic EGFR, HRAS and KRAS mutations but absence of FGFR2, PIK3R1 and NRAS mutations in seborrheic keratosis**
I. Georgieva, A. Mauerer, L. Groesser, E. Herschberger, C. Aslanidis, W. Dietmaier, M. Landthaler, C. Hafner; Regensburg, Mannheim
- P130** **Nevus marginatus: a combined organoid and non-organoid epidermal nevus caused by HRAS mutation**
L. Groesser, T. Vogt, R. Happle, M. Mickler, M. Landthaler, C. Hafner; Regensburg, Homburg, Freiburg
- P131** **No association of STAT3 rs4796793 SNP with response to IFN therapy in patients with metastatic melanoma**
D. Schrama, S. Ugurel, D. Schadendorf, J. Becker; Graz, Wuerzburg, Essen

- P132** **In variegated porphyria, inactivation of both alleles of the protoporphyrinogen oxidase gene by null mutations gives rise to hepatocellular carcinoma**
M. Siegesmund, A. van Tuyll van Serooskerken, P. Went, R. Bladergroen, X. Schneider-Yin, R. Cloots, A. Driessen, V. Winnepeninckx, A. zur Hausen, M. van Geel, E. Minder, J. Frank; Duesseldorf, Duesseldorf, Maastricht, Basel, Zuerich
- P133** **Dual porphyria comprising porphyria cutanea tarda and acute intermittent porphyria without cutaneous symptoms**
M. Siegesmund, S. Hanneken, V. Kuerten, E. Uche Holub, U. Thierling, G. Bodden, J. Bodden, P. Baftah, N. Neumann, J. Frank; Duesseldorf
- P134** **Mutations of IL36RN in four patients with generalized pustular psoriasis of German, Turkish and Iraqi origin**
A. Koerber, R. Moessner, R. Renner, H. Sticht, H. Traupe, D. Wilschmann-Theis, M. Sticherling, A. Reis, U. Hueffmeier; Essen, Goettingen, Erlangen, Bonn, Muenster
- P135** **A mutational storm revealed by Exome sequencing: Dramatic increase of UV signature mutations during development of skin cancer in Xeroderma pigmentosum patients.**
P. Bauer, Y. Kamenisch, M. Sturm, C. Schroeder, C. Bauer, M. Roecken, O. Riess, M. Berneburg; Tuebingen

Health Services Research

- P136** **Disease activity only moderately correlates with Quality of life Impairment: Results of the Greek validation of the Chronic Urticaria Quality of Life Questionnaire (CU-Q2oL)**
I. Koti, K. Weller, M. Makris, M. Maurer; Berlin, Athens
- P137** **Self-assessed disease severity is a powerful predictor of health-related quality of life in chronic hand eczema**
C. Apfelbacher, U. Matteredne, M. Weiss, S. Molin, E. Weisshaar, A. Bauer, V. Mahler, J. Schmitt, T. Ruzicka, P. Elsner, T. Diepgen; Regensburg, Heidelberg, Munich, Dresden, Erlangen, Jena
- P138** **Pressure ulcer prevention: Performance of the Braden scale in ICU and NCU**
T. Petzold, M. Eberlein-Gonska, J. Schmitt; Dresden
- P139** **The role of mental health on the impact of atopic disease on children and adolescents' health related quality of life?**
U. Matteredne, J. Schmitt, T. Diepgen, C. Apfelbacher; Heidelberg, Regensburg, Dresden

Immunology

- P140** **Regulation of Pro- and Anti-inflammatory Th17 Cell Responses by Microbial Organisms**
C. Zielinski, D. Jarossay, F. Ronchi, A. Lanzavecchia, F. Sallusto; Berlin, Bellinzona
- P141** **Aberrant Expression of Heat Shock Protein 90 in Skin and Blood of Bullous Pemphigoid Patients**
S. Tukaj, K. Kleszczynski, S. Groth, K. Vafia, D. Meyersburg, P. Trzonkowski, E. Schmidt, R. Ludwig, D. Zillikens, T. Fischer, M. Kasperkiewicz; Luebeck, Gdansk

- P142** **IFN- disarms human CD4+CD25+FOXP3+ regulatory T cells through cAMP repression without alteration of the Treg lineage program**
V. Raker, N. Bacher, C. Hofmann, E. Graulich, M. Schwenk, R. Baumgrass, T. Bopp, U. Zechner, L. Merten, C. Becker, K. Steinbrink; Mainz, Berlin
- P143** **Inflammatory gammadelta T cells critically contribute to psoriasisiform dermatitis in the CD18hypo PL/J mouse model**
M. Gatzka, A. Hainzl, K. Singh, T. Peters, M. Wlaschek, J. Weiss, J. Fehling, K. Scharffetter-Kochanek; Ulm
- P144** **Mast cells control skin inflammation in a chronic allergic contact dermatitis model in mice**
V. Gimenez Rivera, F. Siebenhaar, M. Martin, M. Maurer; Berlin
- P145** **Induction of immunosuppression by aryl hydrocarbon receptor ligands**
A. Schwarz, A. Bruhs, T. Schwarz; Kiel
- P146** **α -Melanocyte stimulating hormone protects from autoimmune encephalomyelitis by generating functional regulatory T cells able to suppress pathogenic Th1 and Th17 cells**
N. Sucker, V. Kupas, L. Klenner, T. Luger, K. Loser; Muenster
- P147** **Cutaneous 4-1BB/4-1BB ligand signaling is involved in the development of a pruritus-like skin disease**
V. Kupas, D. Metze, S. Staender, L. Klenner, N. Sucker, R. Naumann, M. Maurer, S. Beissert, T. Luger, K. Loser; Muenster, Dresden, Berlin
- P148** **Tolerogenic IL-10-modulated human dendritic cells: induction of anergic regulatory T cells by mature CD83^{high}CCR7^{high}HLA-DR^{high} as well as immature CD83^{low}CCR7^{negative}HLA-DR^{low} DC subpopulations**
F. Kryczanowsky, E. Graulich, K. Rost, K. Steinbrink; Mainz
- P149** **Human 6-sulfo LacNAc (sIa_x) dendritic cells have molecular and functional features of an important pro-inflammatory cell type in lupus erythematosus**
A. Kunze, C. Guenther, W. Baran, H. Lorenz, M. Schmitz, M. Bachmann, T. Doebel, A. Enk, K. Schaeckel; Heidelberg, Dresden, Wroclaw
- P150** **Disruption of the epithelial barrier favors persistence of pathogens**
B. Kraft, I. Wanke, Y. Skabytska, A. Peschel, T. Biedermann, B. Schitteck; Tuebingen
- P151** **Mast cells establish effective anti-tumor immune defense**
S. Kaesler, T. Volz, M. Koeberle, F. Woelbing, W. Kempf, M. Roecken, T. Biedermann; Tuebingen
- P152** **The reduction of circulating invariant natural killer T cells in lupus erythematosus patients is associated with enrichment at the site of cutaneous inflammation**
S. Hofmann, A. Bosma, L. Bruckner-Tuderman, D. Isenberg, E. Jury, C. Mauri; London, Wuppertal, Freiburg
- P153** **Langerhans cells preferentially internalize HIV-1 virus-like particles after transcutaneous administration**
Z. Afraz, F. Rancan, S. Hadam, R. Wanger, M. Schaefer-Korting, U. Blume-Peytavi, A. Vogt; Berlin, Regensburg

- P154** **Generation of an Influenza A based therapeutic human papillomavirus (HPV) vaccine**
C. Jindra, B. Huber, S. Shafti-Keramat, M. Wolschek, B. Ferko, T. Muster, S. Brandt, R. Kirnbauer; Vienna
- P155** **Osteopontin, a mediator in imiquimod induced Th17 driven psoriasis-like skin inflammation**
D. Frenzel, L. Borkner, J. Scheuermann, K. Singh, K. Scharffetter-Kochanek, J. Weiss; Ulm
- P156** **Processing of the extracellular matrix component laminin generates peptides with antimicrobial and chemotactic activity**
I. Senyuerek, W. Kempf, G. Klein, A. Maurer, H. Kalbacher, I. Wanke, C. Christ, S. Stevanovic, M. Schaller, C. Garbe, T. Biedermann, B. Schitteck; Tuebingen, Tuebingen
- P157** **GARP has immunoregulatory function on the differentiation process of CD4+ T cell**
S. Hahn, H. Jonuleit, A. Tuettenberg; Mainz
- P158** **Reduced CD18 levels drive Treg conversion into Th17 cells in the CD18hypo PL/J mouse model of psoriasis**
K. Singh, M. Gatzka, L. Borkner, T. Peters, H. Wang, A. Sindrilaru, K. Scharffetter-Kochanek; Ulm, Braunschweig, Shanghai
- P159** **Cutaneous RANK-RANKL signaling down-regulates primary anti-bacterial immunity**
L. Klenner, S. Laggies, N. Sucker, V. Kupas, N. Nippe, T. Luger, S. Beissert, K. Loser; Muenster, Dresden
- P160** **The anionic dermcidin-derived antimicrobial peptide DCD-1L acts by ion channel like activity**
S. Guenther, M. Paulmann, T. Arnold, D. Linke, I. Senyuerek, A. Kopp, T. Gutschmann, H. Kalbacher, B. Schitteck; Tuebingen, Borstel
- P161** **Palmitoylethanolamide: a novel endogenous bio-regulator of human skin and hair follicles**
N. Zákány, K. Sugawara, V. Di Marzo, T. Bíró, R. Paus; Luebeck, Osaka, Naples, Debrecen
- P162** **Enhanced expression of antimicrobial peptides in patients with epidermodysplasia verruciformis**
M. Sochacka, R. Glaeser, F. Egberts, E. Proksch, H. Baurecht, T. Schwarz, S. Majewski, P. Wolf, A. Schwarz; Kiel, Warsaw, Graz
- P163** **Identification of heterogenous human Treg cells subsets with implications for the pathogenesis of Acne inversa**
A. Heeseler, R. Noster, C. Zielinski; Berlin
- P164** **Induction of immunosuppressive MDSC by extracorporeal photopheresis in patients with chronic GvHD.**
B. Schilling, A. Sucker, K. Griewank, E. Cesko, D. Schadendorf, U. Hillen, A. Paschen; Essen
- P165** **Lymphocyte clonal expansions drive global T cell repertoire bias in generalized pustular psoriasis**
A. Arakawa, S. Vollmer, B. Summer, B. Petra, P. Thomas, T. Ruzicka, J. Prinz; Munich, Kyoto

- P166** **Beta2 Integrin-Dependent Activation of the NADPH Oxidase NOX2 in Wound Macrophages is Essentially Required for 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
- P167** **A novel mouse model to study chemokine receptor CCR2 function and macrophage activation dynamics in skin inflammation**
S. Willenborg, G. van Loo, T. Krieg, M. Pasparakis, S. Eming; Cologne, Ghent
- P168** **Bacterial soft tissue infection in a psoriasis patient: a deficiency of antimicrobial peptides?**
K. Steinz, S. Schubert, S. Gerdes, U. Mrowietz, R. Glaeser; Kiel
- P169** **A new task for gamma delta T cells: Regulation of hair growth**
J. Kloeppe, K. Kawai, M. Bertolini, R. Paus; Luebeck, Kagoshima, Manchester
- P170** **Macrophage activation determines collagen fibril architecture**
J. Knipper, W. Bloch, J. Brinckmann, T. Krieg, S. Eming; Cologne
- P171** **In vivo imaging of cell proliferation enables the detection of the magnitude of experimental rheumatoid arthritis (RA) by 3'-deoxy-3'-¹⁸F-fluorothymidine ([¹⁸F]FLT) and small animal Positron Emission Tomography (PET).**
K. Fuchs, U. Kohlhofer, L. Quintanilla-Martinez, D. Lamparter, G. Reischl, B. Pichler, M. Roecken, M. Kneilling; Tuebingen
- P172** **Low molecular weight fragments of sulfated hyaluronan affect inflammatory macrophage function**
J. Kajahn, S. Franz, S. Moeller, J. Simon; Leipzig, Jena
- P173** **Blue light irradiation suppresses dendritic cells activation in vitro**
M. Fischer, M. Abel, D. Becker, E. von Stebut; Mainz
- P174** **Probiotic lactic acid bacteria show enhanced immune-regulatory capacity in combination with prebiotic oligosaccharides**
S. Lehmann, J. Hiller, W. Back, J. Garssen, L. Knippels, J. van Berghenegouwen, J. Ring, H. Behrendt, C. Schmidt-Weber, C. Traidl-Hoffmann; Munich, Freising-Weihenstephan, Wageningen, Utrecht
- P175** **The molecular signature of acute cutaneous graft-versus-host disease: A role for IL-22 single-producing T cells?**
M. Brueggen, I. Klein, H. Greinix, W. Bauer, Z. Kuzmina, W. Rabitsch, R. Knobler, G. Stingl, G. Stary; Vienna, Boston
- P176** **Fungal-mediated induction of the antimicrobial protein RNase 7 in keratinocytes**
Y. Firat, M. Simanski, J. Harder; Kiel
- P177** **The pattern recognition receptor NOD2 is involved in the Staphylococcus aureus-induced IL-17C expression in keratinocytes**
S. Roth, M. Simanski, F. Rademacher, L. Schroeder, J. Harder; Kiel
- P178** **Staphylococcus aureus activates the inflammasome in keratinocytes leading to increased IL-1 β secretion**
M. Simanski, J. Harder; Kiel

- P179 Adenosine produced by Treg induces motility and directed migration of dendritic cells via adenosine A2A receptor**
S. Ring, A. Pushkarevskaya, A. Enk, K. Mahnke; Heidelberg
- P180 The amino acid sequence EDExxL in the intracellular domain of the DEC205 receptor mediates antigen uptake in dendritic cells by interaction with adaptin-2**
S. Ring, R. Koch, A. Enk, K. Mahnke; Heidelberg
- P181 Triterpenoids from the birch bark show immune modulatory effects in vitro and reduce croton oil induced ear swelling in vivo**
C. Strueh, M. Laszczyk, A. Scheffler, T. Jakob, S. Martin; Freiburg, Niefern-OEschelbronn
- P182 Cytokine- induced insulin resistance in endothelial cells contributes to the pathogenesis of psoriasis and its co-morbidities**
K. Woth, S. Diehl, V. Lang, C. Buerger, W. Boehncke; Frankfurt am Main, Geneva
- P183 Effects of vitamin D3-induced TSLP overexpression in epidermis of flaky tail mice**
V. Martinz, S. Dubrac, M. Schmuth; Innsbruck
- P184 Inactivated Chlamydia trachomatis coupled to a nanoparticle-based TLR7 agonist induces a protective mucosal CD4+ T cell response**
G. Sary, A. Radovic-Moreno, D. Gondek, A. Olive, P. Basto, O. Farokhzad, R. Langer, M. Starnbach, U. von Andrian; Boston, Cambridge
- P185 Host defence to Staphylococcus aureus induced skin infection**
N. Nippe, G. Varga, J. Roth, J. Ehrchen, C. Sunderkoetter; Muenster
- P186 CD16a-dependent recruitment of slanDCs and NK cells to immune complexes at the vascular interface**
T. Doebel, A. Lonsdorf, A. Kunze, A. Enk, K. Schaekel; Heidelberg
- P187 Chronic but not acute epidermal barrier disruption triggers mast cells in skin and serum Ig E.**
V. Martinz, S. Blunder, A. Elentner, M. Schmuth, S. Dubrac; Innsbruck
- P188 A Second-Generation Human Papillomavirus RG1-VLP Vaccine Induces Broad-Spectrum Protection against Mucosal and Cutaneous Types In Vitro and In Vivo**
C. Schellenbacher, B. Huber, D. Fink, K. Kwak, S. Shafti-Keramat, R. Roden, R. Kirnbauer; Vienna, Baltimore, MD
- P189 Activation of inflammasomes by tyrosine complexes**
S. Oehrl, T. Doebel, K. Schaekel; Heidelberg
- P190 Similarities and differences in the pathogenesis of pityriasis rubra pilaris and psoriasis**
S. Philipp, G. Kokolakis, E. Witte, K. Wolk, H. Volk, W. Sterry, R. Sabat; Berlin
- P191 B cell development in CD18hypo PL/J mice - caught between CD18 deficiency and autoimmune inflammation**
L. Borkner, K. Singh, T. Peters, C. Brunner, K. Scharffetter-Kochanek; Ulm, Braunschweig

- P192** **Glucocorticoids induce an antiinflammatory murine monocyte which modifies innate and adaptive immune responses**
M. Belz, N. Nippe, A. Brockhausen, G. Varga, V. Meyer, K. Barczyk, Y. Kusche, J. Roth, C. Sunderkoetter, J. Ehrchen; Muenster, Muenster
- P193** **Regulation of GM-CSF production by human T helper cells**
R. Noster, R. Riedel, A. Radbruch, C. Zielinski; Berlin
- P194** **Breakdown of extracellular matrix components – a crucial pre-requisite for contact sensitizer induced inflammation**
P. Esser, U. Woelfle, C. Schempp, T. Jakob, S. Martin; Freiburg
- P195** **TREX1-deficient mice develop autoimmune disease with cutaneous involvement**
K. Peschke, T. Schumann, N. Zimmermann, R. Behrendt, N. Berndt, M. Lee-Kirsch, A. Roers, C. Guenther; Dresden
- P196** **T cells with an autoreactive phenotype and a deregulated production of reactive oxygen species occur as a feature of immunosenescence in old mice**
S. Koellner, T. Oreshkova, L. Borkner, J. Scheuermann, S. Vander Beken, J. Weiss, A. Sindrilaru, K. Scharffetter-Kochanek, T. Peters; Ulm, Sofia
- P197** **Human type VII collagen harbors multiple pathogenically relevant epitopes**
A. Vorobyev, H. Ujiie, A. Recke, J. Buijsrogge, M. Jonkman, T. Hashimoto, S. Kim, J. Kim, R. Groves, E. Schmidt, D. Zillikens, H. Shimizu, R. Ludwig; Luebeck, Sapporo, Groningen, Fukuoka, Seoul, London
- P198** **Effects of AhR activation on the maturation of human Langerhans cells**
S. Richter, D. Waltenberger, B. Gesselbauer, M. Merio, G. Zlabinger, H. Strobl; Vienna, Graz
- P199** **Th17-cell produced GM-CSF: a novel crucial element of the pathogenetic cascade in psoriasis?**
K. Witte, E. Witte, S. Philipp, H. Volk, W. Sterry, K. Wolk, R. Sabat; Berlin
- P200** **T cell receptor repertoire in acute skin infection**
K. Schratlbauer, M. Schmid, E. Horacek, A. Hauser, B. Volc-Platzer, W. Krugluger; Vienna
- P201** **Activity of ER Aminopeptidase 1 in Malignant Melanoma Influences the Strength of CD8+ T Cell Responses Against Autologous Tumor Cells**
C. Seifert, F. Zhao, S. Lubojanski, D. Schadendorf, A. Paschen; Essen, Mainz
- P202** **T cell activation in draining lymph nodes during experimental epidermolysis bullosa acquisita does not affect skin inflammation**
E. Hauenschild, R. Ludwig, D. Zillikens, J. Westermann, K. Kalies; Luebeck
- P203** **cAMP regulated proinflammatory programming of human 6-sulfo LacNAC (slan) dendritic cells**
H. Prakash, A. Kunze, S. Oehrl, T. Giese, K. Schaekel; Heidelberg
- P204** **Neutrophils play a central role in the sensitization and elicitation phase of contact hypersensitivity**
F. Weber, T. Németh, B. Ozsvári, E. Oswald, K. Futosi, L. Puskás, T. Jakob, A. Mócsai, S. Martin; Freiburg, Budapest, Szeged

Infectious Diseases

- P205** **HPV 16 activates the AIM2 inflammasome in keratinocytes**
M. Reinholz, Y. Kawakami, A. Kreuter, Y. Dombrowski, S. Koglin, S. Salzer, T. Ruzicka, J. Schaubert; Munich, Bochum
- P206** **Mast cells control skin wound infections with *Pseudomonas aeruginosa***
C. Sieber, D. Troeltzsch, F. Siebenhaar, M. Maurer; Berlin
- P207** **Dermal dendritic cells promote healing and induce protective immunity against *Leishmania major***
K. Kautz-Neu, S. Dinges, A. Mauer, E. von Stebut; Mainz
- P208** **Identification of CD4+ and/or CD8+ T cell activating peptides from a LACK (*Leishmania* of homologue for receptor of activated c kinase) library**
K. Schwonberg, D. Deibel, S. Tenzer, E. von Stebut; Mainz
- P209** **Soluble *Leishmania* antigen as potential vaccine against *Leishmania major* in vivo**
A. Schermann, Y. Djirsarai, B. Lorenz, S. Tenzer, E. von Stebut; Mainz
- P210** **Dendritic cells, macrophages and neutrophils in murine cutaneous leishmaniasis: subtypes and immigration kinetics during physiological low-dose infection**
A. Mauer, K. Kautz-Neu, E. von Stebut; Mainz
- P211** **TNF- regulates the vitamin D-dependent antimicrobial response in human monocytes**
A. Sommer, M. Fabri, D. Shin, E. Jo, R. Modlin; Cologne, Los Angeles, Daejeon
- P212** **Chronic unilateral migratory periorbital nodules and redness**
A. Jalili, P. Starzengruber, J. Werzowa, M. Georgopoulos, A. Pollreis, S. Winkler; Vienna
- P213** **Post-septic immune-suppression following Gram positive sepsis is mediated by TLR dependent induction of myeloid derived suppressor cells.**
Y. Skabytska, T. Biedermann, M. Koeberle; Tuebingen
- P214** **A modulatory role for the aryl hydrocarbon receptor in experimental leishmaniasis**
N. Muenck, J. Roth, C. Esser, C. Sunderkoetter, J. Ehrchen; Muenster, Duesseldorf

Pharmacology

- P215** **Mechanisms of fumaric acid ester action on granuloma formation**
P. Hoyer, S. Scharf, R. Danneberg, H. Kroll, C. Zouboulis, U. Lippert; Dessau
- P216** **The fumaric acid ester DMF promotes the intrinsic apoptotic pathway in human mast cells**
A. Foerster, L. Preussner, J. Seeger, A. Rabenhorst, H. Kashkar, U. Mrowietz, K. Hartmann; Cologne, Bergisch Gladbach, Kiel

P217 Comparison of non-cross-linked und cross-linked hyaluronic acid with regard to efficacy of the proliferative activity of cutaneous fibroblasts and keratinocytes in vitro

J. Wohlrab, D. Wohlrab, R. Neubert; Halle (Saale)

P218 Cutaneous bioavailability of dipeptides modulate by enhancer and colloidal carrier system

J. Wohlrab, R. Neubert, A. Goebel; Halle (Saale)

Photobiology

P219 Clean Hands Save Lives: Photodynamic killing of human skin-related pathogens within seconds.

A. Eichner, F. Gonzales, A. Felgentraeger, J. Regensburger, W. Baeumler, T. Maisch; Regensburg

P220 UVA and UVB radiation changes endogenous molecules in different ways and influence therefore their ability to generate singlet oxygen - Potential new pathways of cell damage?

A. Knak, J. Regensburger, T. Maisch, W. Baeumler; Regensburg

P221 Comparison of different new phenothiazine dyes and its antimicrobial activities

J. Regensburger, F. Colmorgen, A. Felgentraeger, W. Baeumler, T. Maisch; Regensburg

P222 UV exposure of tennis players

H. Maier, M. Grabenhofer, C. Maier, A. Schiefer, B. Maier, A. Schmalwieser; Vienna

Pruritus

P223 The expression of the neurokinin 1 receptor (NK1R) in atopic dermatitis and prurigo nodularis

F. Ruelander, T. Lotts, S. Staender; Muenster

P224 Increased VEGF expression and enhanced vascular remodelling in the skin of patients with prurigo

C. Krull, M. Maurer, B. Lange-Asschenfeldt, M. Metz; Berlin

Tumor Biology

P225 Dimethylfumarate suppresses prostate cancer cell proliferation and fortifies chemotherapeutic action

R. Rustemeyer, T. Hailemariam-Jahn, M. Doll, A. Pinter, I. Hrgovic, F. Roos, S. Kippenberger, R. Kaufmann, M. Meissner; Frankfurt am Main, Mainz

P226 miR-638 as an oncomiR in malignant melanoma

A. Bhattacharya, U. Schmitz, Y. Ratz, M. Schoenherr, M. Kunz; Leipzig, Rostock

- P227 Targeted hydroxyethyl starch (HES) nanocapsules for immunotherapeutic approaches**
S. Frick, G. Baier, N. Bacher, V. Mailaender, K. Landfester, K. Steinbrink; Mainz
- P228 PKC pathway is a new candidate for targeted therapy in malignant melanoma**
M. Schoenherr, A. Bhattacharya, T. Kottek, M. Kunz; Leipzig
- P229 Targeting hyperactivation of the AKT survival pathway to overcome therapy resistance of melanoma brain metastases**
H. Niessner, A. Forschner, B. Klumpp, J. Honegger, M. Witte, A. Bornemann, R. Dummer, A. Adam, J. Bauer, G. Tabatabai, K. Flaherty, D. Beck, U. Leiter, C. Mauch, A. Roesch, B. Weide, T. Eigentler, D. Schadendorf, C. Garbe, D. Kulms, L. Quintanilla-Martinez; Tuebingen, Zuerich, Cologne, Bad Homburg, Essen, Boston, Dresden
- P230 Yes-associated protein 1 (YAP1) promotes melanoma metastasis**
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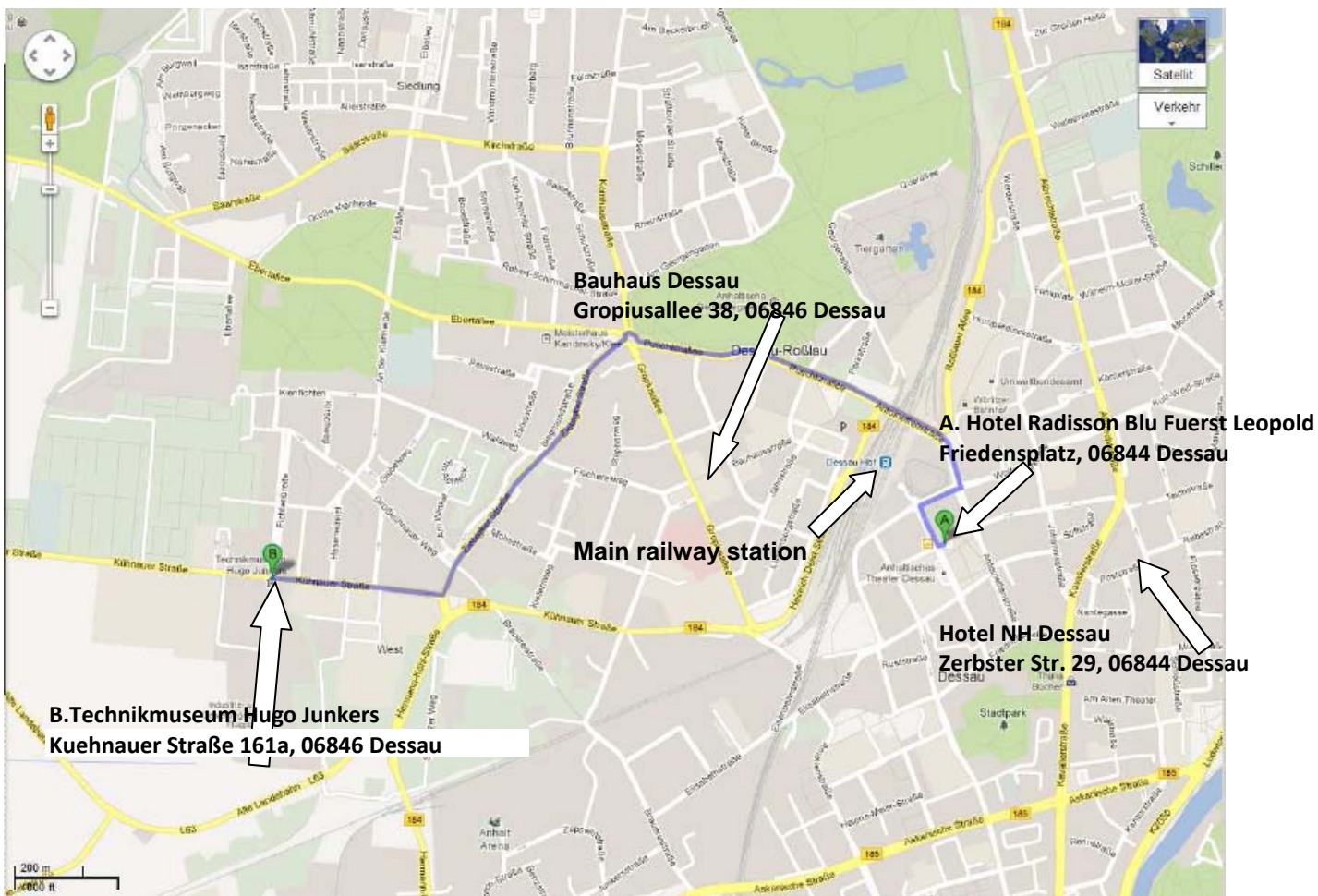
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Meeting location
Museum of Technology „Hugo Junkers“
Kuehnauer Straße 161a, 06846 Dessau-Roßlau
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