



**39. Annual Meeting
of the
Arbeitsgemeinschaft
Dermatologische Forschung**

in collaboration with the
Deutsche Dermatologische Gesellschaft (DDG)

March 1st -3rd 2012
Marburg, Germany

by 02-07-2012

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

Meeting venue

Hörsaalgebäude/Lecture Hall Building
Philipps-Universität Marburg
Biegenstraße 14, 35037 Marburg

Prior to the meeting

Conference phone: +49 (0)6174 931 333
Conference fax: +49 (0)6174 931 343

During the meeting

Conference phone: 06421-28 23870
Conference fax: 06421-28 23865

How to get here by car or public transport

By car from Kassel (north)

Leave the urban motorway at the Marburg-Bahnhofstraße exit. Take a left at the first traffic light onto Bahnhofstraße in the direction of the city center. Change to the left lane after the next traffic light and turn left onto Elisabethstraße at the end of Bahnhofstraße. Stay in the left lane until you reach the next traffic light at Elisabeth Church (Elisabethkirche) and then turn left onto Deutschhausstraße. Now go straight on at the next traffic light and follow the right bend onto Biegenstraße. After about 300m you will see a church to your right and right next to it an entry to the parking lot.

Alternatively, take the urban motorway to the Marburg-Mitte exit, turn right at the first traffic light and stay in the right lane in the direction of the city center. After two pedestrian crossings you will cross the Lahn river, then take a right turn at the next traffic light and change to the left lane. Stay in this lane and drive past the Cineplex cinema on your right. Before you reach the second traffic light, change to the left lane and turn left. You have reached the main administrative building.

By car from Frankfurt/Giessen (south)

Leave the urban motorway at the Marburg-Mitte exit (near the Esso petrol station) and stay in the right lane until you reach the next traffic light, then take a right turn in the direction of the city center. Now continue on in the right lane. At the third traffic light, and after crossing the bridge over the Lahn river, take a right at the next traffic light and stay in the left lane. Go past the Cineplex cinema on your right, and then change to the left lane before you reach the second pedestrian crossing, then take a left turn. You have reached the main administrative building.

By Deutsche Bahn (German Rail)

Either take a taxi in front of the Marburg main station and ask the driver to take you to Biegenstraße 10/12, or take a municipal bus number 2, 3, 6, 7 or C. Get off at "Rudolphsplatz". You have reached the main administrative building.

(also see Map on page 54)

MEETING ORGANIZATION

Local organizers

Wolfgang Pfützner, Rüdiger Eming, Michael Hertl
Sekretariat: Hannelore Wagner

Klinik für Dermatologie und Allergologie
Baldingerstraße, 35043 Marburg

Technical organization Hotel, travel, additional programme

COPP Birgit Barnickel
Friedrich-Ebert-Straße 12, 61462 Königstein
Tel.: +49 (0)6174-931 333 Fax: +49 (0)6174-931 343
E-Mail: copp.barnickel@t-online.de

Hotel reservations

Free-of-charge accommodation bureau
Marburg Tourismus und Marketing GmbH, www.marburg.de/mtm
Pilgrimstein 26, 35037 Marburg
Tel.: +49 (0)64 21-99 12-0, Fax: +49 (0)64 21-99 12-12
E-Mail: mtm@marburg.de

A list of hotels with special rates for the ADF Annual Meeting can be found on the webpage
www.adf-online.de.

Meeting venue

Hörsaalgebäude/Lecture Hall Building
Philipps-Universität Marburg
Biegenstraße 14, 35037 Marburg

Registration fee Non-members: € 60,00
Members: € 40,00 (will be 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, 03-01-2012 11:00-19:00
Friday, 03-02-2012 08:00-19:00
Saturday, 03-03-2012 08:30-14:00

Meeting Organisation

Talks Duration: 7 min.
 Discussion: 3 min.

Slide 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 Important: ***All talks will also have to be presented as posters!***
 Size of poster walls: width 90 cm, height 150 cm.
 Mounting material will be provided.

During the ADF Annual Meeting, the following working groups do meet as follows (by 21.12.2011):

Wednesday, February 29, 2012:

AG Dermato-Endokrinologie:	09:00-18:00	Hörsaal, Alter Botanischer Garten
Melanom Verbund:	09:00-17:00	Hörsaalgebäude(HSG), SR 110
AG Psoriasis	16:00-19:00	HSG, SR 109

Thursday, March 1, 2012:

AG Experimentelle Dermatoonkologie	09:30-12:30,	HSG, SR 204
AG Experimentelle Allergologie		HSG, SR 110
AG Autoimmunbullöse Dermatosen	10:00-13:00,	HSG, SR 108
AG Pruritusforschung	09:00-13:00,	HSG, SR 104
AG Dermatologische Genetik	09:00-13:00,	HSG, SR 207
AG Epidemiologie + Versorgungsforschung	11:00-13:00	HSG, SR 205
AG Psoriasis	10:30-13:00	HSG, SR 109

ADF-Vertrauensdozenten/ADF Mentors 18:30-19:00 Main Lecture Hall

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

Dr. Krawisch of the DFG is available for to-face meetings á 15 minutes on Friday, March 2nd, 09:30-12:30. Please sign up for an appointment at the registration.

Further he gives information about the usual handling of DFG requests on Friday, March 2nd, 13:15-13:45 in the main lecture hall for all interested participants.

No signing is needed for this.

About the XXXIX. Annual Meeting of the Arbeitsgemeinschaft Dermatologische Forschung

Dear colleagues, dear friends,

welcome to the 39th Annual Meeting of the Arbeitsgemeinschaft Dermatologische Forschung. This year, we have received 300 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 and interesting topics and highlight new paths for future research.

Similar to previous years, the two main ADF-Awards, the Egon-Macher-Preis and the Paul-Langerhans-Preis, as well as the Awards for Dermato-Oncology and the ADF/ECARF-Award (for research in allergy) will be presented. We are thankful to all Foundations and Supporters of these Awards who cooperate with the ADF in this respect.

Together with the DDG, as before, we will also award the *DDG/ADF-Forschungsstipendium*, to promote the research activities of early stage scientists.

As in prior years, all posters should be open during the entire meeting to allow for presentations and vivid discussions during the ADF. All oral presentations will also be exhibited as posters to facilitate informal interactions with authors and discussions about these topics during the *poster sessions*. During the *poster sessions*, we will again offer *poster walks* about several main topics. 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 to the next ADF Meeting or IID in 2013 will be handed out.

The topic of this year's workshop is „*From the Molecule to the Treatment*“ (Organisation: M. Hertl, W. Pfützner, R. Eming).

Additional highlights of this year's annual meeting are the *Günter-Goerz-Memorial Lecture* and the *Guest Lecture*, which will be given by J. M. Schröder (Kiel) and C. Goding (Oxford, UK).

The local organizers, which 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 Marburg!

Esther von Stebut-Borschitz
President

Claudia Traidl-Hoffmann
Secretary

Manfred Kunz
Treasurer

The steering committee is very thankful to all reviewers of all ADF 2012 submissions, all members of the poster committees and all guides of poster walks.

Experts for abstract review

M. Augustin, Hamburg	S. Kuphal, Regensburg	A. Sindrilaru, Ulm
R. Besch, Munich	A. Lonsdorf, Heidelberg	G. Stary, Vienna
R. Betz, Bonn	E. Makrantonaki, Berlin	S. Tiede, Luebeck
R. Eming, Marburg	A. Navarini, Zurich	J. Utikal, Mannheim
K. Eyerich, Munich	N. Romani, Innsbruck	S. Weidinger, Munich
T. Goerge, Muenster	A. Saalbach, Leipzig	K. Weller, Berlin
C. Guenther, Dresden	M. Schaller, Tuebingen	M. Wittmann, Leeds
C. Hafner, Regensburg	J. Schmitt, Dresden	
K. Hartmann, Cologne	R. Schopf, Mainz	

Poster committee 1

(even numbers)

M. Böhm, Muenster
S. Emmert, Goettingen
K. Ghoreschi, Tuebingen
W. Ludwig-Peitsch, Mannheim
N. Schaft, Erlangen
S. Weidinger, Kiel

Poster committee 2

(odd numbers)

I. Haase, Cologne
C. Hafner, Regensburg
C. Has, Freiburg
J. Schauber, Munich
F. Siebenhaar, Berlin
M. Wittmann, Leeds

Poster walks

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

Adaptive Immunity (N. Romani)

Allergy (T. Jakob)

Cellular Biology (U. Anderegg)

Clinical Research (S. Ständer)

Dermato-Endocrinology 1+2

(E. Makrantonaki+T. Fischer)

Epidemiology and Health Service

Research (J. Schmitt)

Infectious diseases (C. Sunderkoetter)

Innate Immunity (S. Martin)

Genetics (M. Berneburg)

Mast cells and Basophils (M. Metz)

Oncology 1+2 (T. Tueting+M. Leverkus)

Psoriasis (U. Mrowietz)

We thank Janssen Cilag GmbH for the kind support.

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

Thursday, March 1st, 2012

12:30-14:00 **Poster mounting and registration**

14:00-14:10 **Welcome address**
E. von Stebut-Borschitz, M. Hertl

14:10-15:10 **Talks I**
Chairs: C. Zouboulis, R. Loewe

V01 **14:10** **Administration of CCL18 in humanized mice prevents allergic airway inflammation and hyperresponsiveness**
I. Bellinghausen, S. Reuter, H. Martin, J. Maxeiner, S. Grabbe, C. Taube, J. Saloga; Mainz

V02 **14:20** **Low serum 25-hydroxyvitamin D concentrations are associated with increased risk for melanoma and unfavourable prognosis**
B. Bade, S. Gräber, C. Hafner, J. Geisel, T. Vogt, J. Reichrath; Homburg, Regensburg

V03 **14:30** **Role of IL-24 in psoriasis pathogenesis**
E. Witte, K. Wolk, K. Witte, H. Volk, W. Sterry, R. Sabat; Berlin

V04 **14:40** **Remission of eczema in children and influencing factors: A prospective population-based Swedish study**
L. von Kobyletzki, C. Bornehag, E. Breeze, M. Larsson, L. Hägerhed Engman, C. Boman Lindström, Å. Svensson; Malmö, Karlstad, London, Borås

V05 **14:50** **Host genetics play a dual role in controlling both skin bacterial species and autoimmune blistering skin disease**
G. Srinivas, S. Moeller, R. Ludwig, S. Kuenzel, D. Zillikens, J. Baines, S. Ibrahim; Ploen, Luebeck

V06 **15:00** **TNF-alpha blockade ameliorates systemic autoimmunity by inducing functional regulatory T cells**
M. Voskort, T. Görge, T. Luger, S. Beissert, K. Loser; Muenster

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

Paul-Langerhans-Preis*
M. Hertl, C. Traidl-Hoffmann

**The ADF thanks BIOGEN-Idec for the kind support.*

Thursday, March 1st, 2012

15:20-15:40 Quo Vadis Lecture I
S. Martin, Freiburg:
Burning for contact
Introduction: C. Traidl-Hoffmann

15:40-16:10 *Coffee break* with kind support from Spirig GmbH.

16:10-18:30 WORKSHOP
From the molecule to the treatment

Organisation/
Moderation:

M. Hertl, W. Pfützner, R. Eming, S. Eming

16:10-16:40 Masayuki Amagai, Tokyo (Japan)
Desmogleins – Pathogenic and Therapeutic Targets in Pemphigus

16:40-17:10 Roland Martin, Zurich
Immunotherapy of Multiple Sclerosis – Proof of Concept and Clinical Reality

17:10-17:40 Ivan Dikic, Frankfurt/Main
Ubiquitin Signals in Regulation of Chronic Dermatitis and Selective Autophagy

17:40-18:20 Christoph Klein, Munich
Genetic Reconstitution Therapy of Wiskott-Aldrich Syndrome

**With kind support from Abbott GmbH & Co.KG,
and Biogen Idec GmbH**

18:30-19:00 MEETING of the ADF-VERTRAUENSDOZENTEN
including *Best of ADF Winter School 2012*

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

Friday, March 2nd, 2012

08:30-09:30

Talks II

Chairs: A. Bosserhoff, A. Enk

- V07 08:30 Mesenchymal Stem Cells Improve Wound Healing and Reduce Scar Formation in a Murine Full-Thickness Excisional Wound Model via the Release of TNF-stimulated gene 6**
Y. Qi, A. Sindrilaru, S. Wieschalka, D. Jiang, M. Rojewski, H. Hainzl, A. Schlecht, H. Schrezenmeier, K. Scharffetter-Kochanek; Ulm
- V08 08:40 A crucial role of granulocyte-macrophage colony-stimulating factor in the pathogenesis of experimental epidermolysis bullosa acquisita**
U. Samavedam, S. Müller, A. Recke, E. Schmidt, D. Zillikens, R. Ludwig; Luebeck
- V09 08:50 Leishmania major susceptibility is determined by the genetic background of leukocytes, not by stromal cells**
M. Fischer, B. Lorenz, M. Radsak, K. Griewank, E. von Stebut-Borschitz; Mainz, New York
- V10 09:00 The subcompartment-specific distribution of differentially cycling tumor cells in melanoma is regulated by MITF**
N. Haass, A. Anfosso, K. Beaumont, D. Hill, P. Mrass, I. Kinjyo, O. Kanagawa, W. Weninger; Newtown, NSW, Sydney, NSW, Yokohama City
- V11 09:10 Non invasive in vivo positron emission tomography (PET) and optical imaging (OI) analysis of the different mast cells (MC) migration properties due to the phenotype, administration route and mouse strain**
K. Fuchs, C. Griebinger, D. Bukala, M. Koberle, S. Kaesler, T. Biedermann, M. Röcken, B. Pichler, M. Kneilling; Tuebingen
- V12 09:20 Enzymatic autoantibody glycan hydrolysis alleviates autoimmunity against type VII collagen**
M. Hirose, K. Vafia, K. Kalies, S. Groth, J. Westermann, R. Ludwig, D. Zillikens, M. Collin, E. Schmidt; Luebeck, Lund

09:30-10:30

Poster walks and break

We thank Janssen-Cilag GmbH for the kind support.

Adaptive Immunity	N. Romani	Infectious Diseases	C. Sunderkoetter
Allergy	T. Jakob	Innate Immunity	S. Martin
Cellular Biology	U. Anderegg	Genetics	M. Berneburg
Clinical Research	S. Ständer	Mast cells and Basophils	M. Metz
Dermato- Endocrinology 1+2	E. Makrantonaki +T. Fischer	Oncology 1+2	T. Tueting +M. Leverkus
Epidemiology and Health Service Research	J. Schmitt	Psoriasis	U. Mrowietz

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

Friday, March 2nd, 2012

10:30-11:10 **GÜNTER GOERZ MEMORIAL LECTURE**
 J. M. Schroeder, Kiel
The Epithelial Defense System: Challenges by Commensals and Pathogens
 Introduction: M. Kunz

11:10-11:25 **ADF-Awards II**
 (Short presentations of awardees)
6th ADF-/DDG-Research Stipendium
 R. Stadler, E. von Stebut-Borschitz

11:25-12:25 **Talks III**
Chairs: K. Steinbrink, M. Goebeler

V13 **11:25** **Fc epsilon R1-mediated mast cell reactivity is amplified through prolonged Toll-like receptor-ligand treatment**
 R. Saluja, I. Delin, G. Nilsson, M. Adner; Stockholm, Berlin

V14 **11:35** **Inhibition of subtilisin-kexin isozyme-1, a member of the prohormone convertase family, induces apoptosis of human melanoma cells**
 N. Weiß, A. Stegemann, T. Luger, C. Weishaupt, M. Böhm; Muenster

V15 **11:45** **A Humanized HLA-class II transgenic mouse model for the analysis of desmocollin 3-specific T- and B cell responses in pemphigus**
 M. Llamazares, S. Spötlz, K. Karlmark, M. Hertl, R. Eming; Marburg

V16 **11:55** **CD13 is a negative regulator of FcRI dependent mast cell activation in vitro and anaphylaxis in vivo**
 F. Wölbing, J. Marschall, C. Lassnig, U. Schulte, A. Kolb, B. Whitelaw, M. Müller, T. Biedermann, M. Huber;
 Tuebingen, Aachen, Vienna, Freiburg, March-Buchheim, Aberdeen

V17 **12:05** **Mast cells establish effective anti-tumor immune defense**
 T. Biedermann, T. Volz, M. Köberle, M. Röcken, S. Kaesler; Tuebingen

V18 **12:15** **Human CD8+ T cells need CD4 T-cell-help to escape deletion upon re-stimulation in vitro**
 S. Böhm, G. Schuler, J. Dörrie, N. Schaft; Erlangen

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** (A. Krawisch)

Friday, March 2nd, 2012

14:25-15:25

Talks IV

Chairs: J. C. Becker, K. Mahnke

- V19 14:25 Spleen tyrosine kinase (Syk) promotes granulocyte-mediated skin blistering induced by autoantibodies**
C. Sitaru, K. Csorba, E. Licarete, T. Nemeth, L. Bruckner-Tuderman, A. Mocsai; Freiburg, Budapest
- V20 14:35 Tyrosine kinase inhibitor SU6668 blocks the nucleic-acid-induced IFN-expression of keratinocytes: TBK1 as a potential drug-target for the treatment of cutaneous lupus erythematosus.**
S. Zahn, J. Orthmann, S. Sharma, T. Bieber, T. Tüting, J. Wenzel; Bonn
- V21 14:45 Treg exert anti-inflammatory activity by A2A adenosine receptor mediated, cAMP-driven downregulation of adhesion molecules on endothelial cells.**
S. Ring, A. Enk, K. Mahnke; Heidelberg
- V22 14:55 EphA2 as a Target for Adenoviral Gene Transfer or Oncolysis of Malignant Melanoma**
M. Behr, M. Richter, M. Häusl, S. Engelhardt, H. Eskerski, A. Ehrhardt, A. Enk, D. Nettelbeck; Heidelberg, Munich
- V23 15:05 Insulin resistance at the endothelial cell level represents a pathomechanism for psoriasis and its co-morbidities**
K. Woth, S. Diehl, K. Hardt, W. Boehncke, C. Buerger; Frankfurt/Main
- V24 15:15 In vivo analysis of adjuvant effects of a low molecular-weight, non-protein fraction of aqueous birch pollen extracts**
S. Gilles, I. Beck, M. McIntyre, L. Cifuentes, R. Effner, H. Behrendt, P. Schmitt-Kopplin, C. Schmidt-Weber, C. Traidl-Hoffmann; Munich

15:25-15:45

Quo Vadis Lecture II

M. Schaller, Tuebingen:

Mission possible? Fighting the fungus

Introduction: E. von Stebut-Borschitz

15:45-16:00

ADF-Awards III

(Short presentations of awardee)

Egon-Macher-Preis*

M. Röcken, C. Traidl-Hoffmann

**The ADF thanks Stiefel@GSK for the kind support.*

16:00-16:30

Coffee break

SCIENTIFIC PROGRAMME

Friday, March 2nd, 2012

16:30-17:30 GUEST LECTURE
Colin Goding, Oxford (UK)
Cancer stem cells - lessons from melanoma
Introduction/discussion: M. Böhm

17:30-18:00 ADF-Awards IV

ADF Dermato-Oncology-Award*

D. Schadendorf

ADF/ECARF-Award for European Allergy Research**

T. Zuberbier

Translational Research Award***

W.-H. Boehncke

Thanks from the ADF to

**the Erwin & Irmgard Egner-Stiftung*

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

****Stiftung Dermatologikum*

18:00-19:00 ADF General Assembly
(for agenda please see ADF-Homepage, www.adf-online.de)

19:30-open end Social evening
"Back to the roots"
See the Mensa in a different way
Food, drinks, dance and entertainment
Mensa, Erlenring 5, 35037 Marburg

Saturday, March 3rd, 2012

09:00-10:00

Talks V

Chairs: S. Beissert, J. Wenzel

- V25 09:00 Contact allergens cobalt and nickel induce proinflammatory gene expression by facilitating TLR4 receptor dimerisation**
B. Rhagavan, M. Goebeler, M. Schmidt; Giessen, Wuerzburg
- V26 09:10 Rapid neutrophil activation by Mac-1-GPIIb/alpha interaction on tunable nanostructured surfaces under flow**
L. Erpenbeck, S. Kruss, K. Amschler, J. Spatz, M. Schön; Goettingen, Stuttgart
- V27 09:20 Rapid induction of systemic Th2-responses by intranasal instillation of ragweed pollen extract**
M. Kamml, F. Alessandrini, S. Öder, S. Gilles, D. Ernst, U. Kanter, C. Schmidt-Weber, C. Traidl-Hoffmann, H. Behrendt, J. Gutermuth; Munich, Davos
- V28 09:30 Apis mellifera (honey bee) toxin activates the AIM2 inflammasome in primary keratinocytes**
Y. Dombrowski, M. Peric, S. Koglin, N. Kaymanakov, V. Schmezer, J. Schaubert; Munich
- V29 09:40 Developing chemotherapeutics which selectively disable the actin cytoskeleton of tumor cells**
J. Stehn, N. Haass, T. Bonello, M. Desouza, G. Kottyan, H. Treutlein, J. Zeng, P. Nascimento, T. Butler, M. Allanson, T. Fath, T. Hill, A. McCluskey, G. Schevzov, S. Palmer, E. Hardeman, D. Winlaw, V. Reeve, I. Dixon, W. Weninger, T. Cripe, P. Gunning;
Sydney, Newtown, Cincinnati, Parkville, Westmead, Callaghan, Melbourne
- V30 09:50 Sulfonated- and phosphonated-polystyrene nanoparticles enhance stimulatory capacity of human dendritic cells**
S. Frick, N. Bacher, G. Baier, A. Zeller, V. Mailänder, K. Landfester, K. Steinbrink; Mainz

10:00-10:20

Quo Vadis-Lecture III

A. Roers, Dresden:

The mouse, the model and the truth

Introduction: K. Schäkel

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 3rd, 2012

11:50-12:50

Talks VI

Chairs: R. Besch, J. C. Simon

- V31 11:50 Direct recruitment of slan (6-sulfo LacNAc) dendritic cells to immune complexes in a model of physiologically relevant fluid shear stress**
T. Döbel, A. Lonsdorf, A. Hänsel, A. Enk, K. Schäkel; Heidelberg
- V32 12:00 P-cadherin expression in primary Merkel cell carcinomas is associated with prolonged recurrence-free survival**
L. Vlahova, Y. Dörflinger, R. Houben, J. Brandner, J. Becker, D. Schrama, M. Goebeler, P. Helmbold, C. Weiss, S. Goerdts, W. Peitsch; Mannheim, Wuerzburg, Hamburg, Graz, Giessen, Heidelberg
- V33 12:10 Cell-based regenerative medicine by nestin+ progenitors: Stimulation of reepithelialization, angiogenesis, and granulation tissue formation in human skin organ culture**
S. Tiede, J. Lehmann, S. Nagel, A. Petschnik, S. Vidali, F. Siemers, S. Danner, C. Kruse, R. Paus; Luebeck, Manchester
- V34 12:20 Regulation of cell cycle checkpoint kinase Wee1 by miRNA-195 in malignant melanoma**
A. Bhattacharya, U. Schmitz, M. Schönherr, Y. Raatz, O. Wolkenhauer, M. Kunz; Leipzig, Rostock
- V35 12:30 Impaired wound healing in CD18 deficient mice is due to reduced activation of the phagocyte NADPH oxidase NOX2 in wound macrophages**
A. Schlecht, S. Schatz, Y. Qi, S. Vander Beken, B. DeGeest, C. Hauser, A. Rück, T. Peters, P. Hawkins, K. Scharffetter-Kochanek, A. Sindrilaru; Ulm, Ghent, Cambridge
- V36 12:40 Mda5 activation and type I interferon signaling in the microenvironment seems to be more important for melanoma therapy with cytosolically targeted isRNA than direct induction of apoptosis in tumor cells**
M. Renn, T. Bald, A. Sporleder, S. Mikus, J. Landsberg, T. Tüting; Bonn

12:50-13:20

POSTER AWARDS AND TRAVEL GRANTS*

Chairs: M. Böhm, I. Haase

**The ADF thanks for the support from Almirall Hermal GmbH and ALK-Abelló Arzneimittel GmbH*

13:20

Acknowledgements, Fare well, End of Meeting

S. Eming

POSTER SESSIONS

All posters:	Thursday,	March 1,	19:00-22:00 Uhr
Even poster numbers:	Friday,	March 2,	12:25-13:25 Uhr
	Saturday,	March 3,	10:20-11:05 Uhr
Odd poster numbers:	Friday,	March 2,	13:25-14:25 Uhr
	Saturday,	March 3,	11:05-11:50 Uhr

Allergy

- P001 (V01) Administration of CCL18 in humanized mice prevents allergic airway inflammation and hyperresponsiveness**
I. Bellinghausen, S. Reuter, H. Martin, J. Maxeiner, S. Grabbe, C. Taube, J. Saloga; Mainz
- P002 (V13) Fc epsilon R1-mediated mast cell reactivity is amplified through prolonged Toll-like receptor-ligand treatment**
R. Saluja, I. Delin, G. Nilsson, M. Adner; Stockholm, Berlin
- P003 Adjuvant activity of Gram-positive bacteria on grass pollen**
B. Heydenreich, I. Bellinghausen, W. Becker, S. Grabbe, A. Petersen, J. Saloga; Mainz, Borstel
- P004 T cell killing by tolerogenic dendritic cells protects from allergy in mice**
T. Schmidt, U. Luckey, M. Maurer, N. Lorenz, B. de Jongh, M. Metz, K. Steinbrink; Mainz, Berlin
- P005 Role of CD4+CD25+FOXP3+ regulatory T cells and CD8+ suppressor T cells in low zone tolerance to allergens**
T. Schmidt, U. Luckey, N. Lorenz, N. Pfender, S. Martin, T. Jakob, K. Steinbrink; Mainz, Freiburg
- P006 (V16) CD13 is a negative regulator of FcRI dependent mast cell activation in vitro and anaphylaxis in vivo**
F. Wölbing, J. Marschall, C. Lassnig, U. Schulte, A. Kolb, B. Whitelaw, M. Müller, T. Biedermann, M. Huber; Tuebingen, Aachen, Vienna, Freiburg, March-Buchheim, Aberdeen
- P007 (V24) In vivo analysis of adjuvant effects of a low molecular-weight, non-protein fraction of aqueous birch pollen extracts**
S. Gilles, I. Beck, M. McIntyre, L. Cifuentes, R. Effner, H. Behrendt, P. Schmitt-Kopplin, C. Schmidt-Weber, C. Traidl-Hoffmann; Munich
- P008 Specific immunotherapy in the house dust mite mouse model of allergen induced airway inflammation**
S. Frey, H. Kahlert, A. Nandy, S. Martin, T. Jakob; Freiburg, Reinbek
- P009 A high-throughput screening assay for detection of auto-IgE**
T. Seher, J. Meyer, C. Traidl-Hoffmann, K. Brockow, M. Ollert, J. Gutermuth, C. Schmidt-Weber; Munich

- P010** **Evaluation of the sensitizing potential of antibiotics in vitro using the human cell lines THP-1 and MUTZ-LC and primary monocyte – derived dendritic cells**
K. Sebastian, H. Ott, G. Zwadlo-Klarwasser, C. Skazik-Voogt, R. Heise, Y. Marquardt, K. Czaja, J. Baron, H. Merk; Aachen, Hamburg
- P011** **IL-31 abrogates terminal cell differentiation and skin barrier function in human epidermal structures**
C. Cornelissen, Y. Marquardt, K. Czaja, P. Amann, J. Wenzel, J. Frank, J. Lüscher-Firzlaff, B. Lüscher, J. Baron; Aachen, Bonn, Duesseldorf, Maastricht
- P012** **Meta-Analysis of Genome-wide Association Studies on Atopic Dermatitis Identifies Three Novel Risk Loci**
L. Paternoster, M. Standl, H. Baurecht, A. Ramasamy, K. Bønnelykke, L. Duijts, M. Jarvelin, M. Ferreira, H. Wichmann, D. Strachan, J. Thyssen, E. Nohr, D. Jarvis, B. Feenstra, P. Sleiman, D. Glass, L. Palmer, N. Probst-Hensch, B. Jacobsson, J. Curtin, D. Boomsma, G. Koppelman, A. Sääf, H. Bisgaard, J. Heinrich, D. Evans, S. Weidinger; Bristol, Munich, Kiel, London, Gentofte, Rotterdam, Oulu, Brisbane, Copenhagen, Aarhus, Philadelphia, Toronto, Basel, Göteborg, Oslo, Manchester, Amsterdam, Groningen, Stockholm
- P013** **Tolerance induction in hymenoptera venom-allergic patients undergoing ultra-rush immunotherapy and sting-challenge**
A. Rudzio, C. Möbs, M. Hertl, W. Pfützner; Marburg
- P014** **Long-term efficacy of specific immunotherapy: functional in vitro characterization of IgG 'blocking' antibodies**
C. Möbs, H. Ipsen, C. Slotosch, A. Petersen, P. Würtzen, M. Hertl, W. Pfützner; Marburg, Hørsholm, Borstel
- P015** **Anti-inflammatory effects of a non-anticoagulant polyglycerolsulfate in cutaneous inflammation**
J. Trosien, P. Welker, M. Maurer, M. Metz; Berlin, Odense
- P016** **Wasp venom immunotherapy: Analysing effector mechanisms of CD4+CD25hiCD127low regulatory T cells by differential gene expression**
A. Kerstan, A. Trautmann; Wuerzburg
- P017** **Prompt mobilization of high TNF- α producing slan (6-sulfo LacNAc) dendritic cells by psychosocial stress in patients with extrinsic atopic dermatitis**
A. Hänsel, W. Baran, S. Grems, A. Buske-Kirschbaum, T. Döbel, K. Schäkel; Heidelberg, Wroclaw, Dresden
- P018 (V25)** **Contact allergens cobalt and nickel induce proinflammatory gene expression by facilitating TLR4 receptor dimerisation**
B. Rhagavan, M. Goebeler, M. Schmidt; Giessen, Wuerzburg
- P019 (V27)** **Rapid induction of systemic Th2-responses by intranasal instillation of ragweed pollen extract**
M. Kamml, F. Alessandrini, S. Öder, S. Gilles, D. Ernst, U. Kanter, C. Schmidt-Weber, C. Traidl-Hoffmann, H. Behrendt, J. Gutermuth; Munich, Davos
- P020** **SDC4 mediated cell migration affects the severity of induced asthma in mice**
J. Buehligen, M. Aeverbeck, F. Echtermeyer, T. Polte, J. Simon; Leipzig, Hannover

Cellular Biology

- P021** **Artificial extracellular matrix composed of collagen I and sulfated glycosaminoglycans prevents TGF- β 1-induced differentiation of human dermal fibroblasts to myofibroblasts**
A. van der Smissen, V. Hintze, D. Scharnweber, S. Möller, M. Schnabelrauch, A. Majok, J. Simon, U. Anderegg; Leipzig, Dresden, Jena, Leipzig and Dresden
- P022** **Integrin-mediated leukocyte recruitment leads to UVB-induced skin hemorrhage during thrombocytopenia**
C. Hillgruber, A. Steingraber, B. Pöppelmann, K. Loser, T. Goerge; Muenster
- P023** **Cross-linked Regulation of Protease Activity in the Epidermis by Transglutaminated SPINK6**
J. Fischer, Y. Koblyakova, T. Latendorf, Z. Wu, U. Meyer-Hoffert; Kiel
- P024 (V11)** **Non invasive in vivo positron emission tomography (PET) and optical imaging (OI) analysis of the different mast cells (MC) migration properties due to the phenotype, administration route and mouse strain**
K. Fuchs, C. Grießinger, D. Bukala, M. Koberle, S. Kaesler, T. Biedermann, M. Röcken, B. Pichler, M. Kneilling; Tuebingen
- P025** **Bovine Milk-supplemented Medium induces Proliferation in Human Fibroblasts in vitro**
S. Kippenberger, M. Meissner, V. Laubach, N. Zoeller, M. Hofmann, R. Kaufmann, A. Bernd; Frankfurt
- P026** **Targeting IL-1 β for the treatment of EBS-DM**
V. Wally, T. Lettner, D. Peckl-Schmid, A. Klausegger, S. Hainzl, H. Hintner, J. Bauer; Salzburg
- P027** **Primary human epidermal keratinocytes and porcine ex vivo wound healing models under high glucose conditions show reduced susceptibility to Cx43 targeting**
T. Volksdorf, S. Pollok, P. Houdek, R. Lobmann, I. Moll, J. Brandner; Hamburg, Stuttgart
- P028** **Impact of physical plasma on T lymphocytes**
L. Bundscherer, A. Barton, K. Masur, K. Weltmann; Greifswald
- P029** **Anti-inflammatory effects of a collagen-containing wound dressing in a cell-based inflammation model in vitro**
C. Wiegand, M. Abel, P. Ruth, U. Hipler; Jena, Rengsdorf
- P030** **Comparison of two analytical methods for the detection of cell viability, cytotoxicity, and apoptosis induction in human HaCaT keratinocytes by cyclodextrins and cyclodextrin-antiseptica-complexes**
K. Reddersen, N. Baum, M. Zieger, C. Wiegand, H. Buschmann, U. Hipler; Jena, Krefeld
- P031 (V23)** **Insulin resistance at the endothelial cell level represents a pathomechanism for psoriasis and its co-morbidities**
K. Woth, S. Diehl, K. Hardt, W. Boehncke, C. Buerger; Frankfurt
- P032** **Profilaggrin peptide fragments as contributors to the antimicrobial barrier of the skin**
A. Schmidt, B. Hansmann, J. Bartels, J. Schroeder; Kiel

- P033** **Investigating the influence of mitochondrial DNA deletions on skin developmental and ageing processes by a conditional deleter *twinkle* mouse model.**
D. Weiland, O. Baris, R. Wiesner; Cologne
- P034** **Dual role of platelets in cutaneous inflammation**
A. Steingraber, C. Hillgruber, B. Pöppelmann, T. Goerge; Muenster
- P035** **Molecular pathomechanisms in Dowling-Meara type epidermolysis bullosa simplex cell lines**
T. Lettner, J. Bauer, V. Wally, H. Hintner; Salzburg
- P036** **The role of occludin in differentiation and apoptosis of keratinocytes – implications for squamous cell carcinomas**
M. Zorn-Kruppa, S. Rachow, U. Ohnemus, N. Kirschner, C. Bohner, S. Vidal-y-Sy, E. Wladykowski, P. von den Driesch, J. Eberle, I. Moll, J. Brandner; Hamburg, Stuttgart, Berlin
- P037** **Influence of atmospheric pressure plasma on keratinocytes**
A. Barton, S. Holtz, L. Bundscherer, K. Masur, K. Weltmann; Greifswald
- P038** **The Chick Embryo as Experimental System for Melanoma Cell Invasion**
C. Busch, U. Drews; Tuebingen
- P039** **Non-inflammatory pathogenic effects of collagen VII-specific autoantibodies**
V. Vuta, A. Nyström, K. Csorba, M. Koch, L. Bruckner-Tuderman, C. Sitaru; Freiburg, Cologne
- P040** **Behaviour of primary human keratinocytes and fibroblasts on soft poly(n-butyl acrylate) networks with tailored mechanical properties**
K. Trescher, T. Roch, J. Cui, K. Kratz, M. Jünger, A. Lendlein, F. Jung; Teltow, Berlin, Greifswald
- P041** **Claudins are key regulators for TJ barrier function in keratinocytes**
N. Kirschner, R. Rosenthal, J. Brandner; Hamburg, Berlin
- P042** **mTOR signalling plays a role in the development of psoriatic lesions**
A. Eiser, K. Woth, B. Malisiewicz, S. Diehl, K. Hardt, W. Boehncke, C. Buerger; Frankfurt
- P043** **Agonistic VEGF-variants engineered to simultaneously bind to and stimulate VEGFR-2 and α V β 3 integrin**
S. Traub, D. Hoffmann, J. Morgner, M. Martino, M. Koch, A. Becker, S. Höning, R. Wagener, S. Wickström, J. Hubbell, S. Eming; Cologne, Lausanne
- P044** **Genetic ablation of mast cells does not impact skin wound healing and fails to prevent tissue fibrosis in mice**
S. Willenborg, B. Eckes, J. Brinckmann, K. Hartmann, A. Roers, T. Krieg, S. Eming; Cologne, Luebeck, Dresden
- P045** **Premature aging: Unrepaired DNA damage or a defective DNA-damage sensor?**
R. Assfalg, S. Koch, O. Garcia Gonzalez, A. Schelling, K. Scharffetter-Kochanek, S. Iben; Ulm
- P046** **Signalling Pathway Analysis in Psoriatic Tissue Analysed by MELC**
R. Baur, C. Ostalecki, G. Schuler, A. Pommer, A. Baur; Erlangen

- P047 (V33) Cell-based regenerative medicine by nestin+ progenitors: Stimulation of reepithelialization, angiogenesis, and granulation tissue formation in human skin organ culture**
S. Tiede, J. Lehmann, S. Nagel, A. Petschnik, S. Vidali, F. Siemers, S. Danner, C. Kruse, R. Paus; Luebeck, Manchester
- P048 Sensitization of melanoma cells for death ligand-induced apoptosis by the potassium channel IK-1 inhibitor TRAM-34 correlates with the intrinsic pathway and SMAC release**
A. Quast, A. Berger, N. Buttstädt, K. Friebel, R. Schönherr, J. Eberle; Berlin, Jena
- P049 The Ripoptosome – a novel molecular complex differentially regulated by cFLIP isoforms and a critical switch between apoptotic and necroptotic cell death in skin tumor cells**
M. Feoktistova, P. Geserick, B. Kellert, D. Panayotova Dimitrova, C. Langlais, M. Hupe, K. Cain, M. MacFarlane, G. Häcker, M. Leverkus; Mannheim, Leicester, Freiburg
- P050 Monocyte/macrophage specific expression of matrix metalloproteinase-14 is dispensable for induced contact dermatitis but essential for monocyte/macrophage migration**
A. Klose, P. Zigrino, J. Grützner, C. Mauch; Cologne
- P051 Effect of TRAILR on homeostasis of murine mast cells**
A. Förster, S. Grotha, A. Rabenhorst, H. Walczak, A. Roers, K. Hartmann; Cologne, London, Dresden
- P052 Cell cycle arrest of human fibroblasts induced collagen type I synthesis**
C. Kameteu Chejui, N. Zoeller, M. Hofmann, S. Kippenberger, A. Bernd, D. Pollet; Frankfurt, Darmstadt
- P053 Activation of mitochondrial apoptosis pathways via Bax through BMS-345541 in melanoma cells leads to sensitization for TRAIL-induced apoptosis**
A. Berger, S. Quast, A. Kammermeier, L. Fecker, J. Eberle; Berlin
- P054 Is Loricrin a Trojan Horse Antimicrobial Peptide mimicking a Bacterial Microcin B17 precursor?**
L. Froesewitte, T. Latendorf, B. Hansmann, U. Gerstel, J. Schröder; Kiel
- P055 Regulation of sebocyte proliferation and lipogenesis by the EGFR ligand epigen**
M. Dahlhoff, C. Zouboulis, M. Schneider; Munich, Dessau
- P056 Unbalanced SOD2 Overexpression in Senescent Fibroblasts Triggers Altered Redox Signalling and Skin Ageing**
F. Ferchiu, A. Sindrilaru, L. Sante, N. Treiber, A. Rogowska-Wrezescinska, O. Toussaint, S. Kochanek, M. Wlaschek, K. Scharffetter-Kochanek; Ulm, Odense, Namur
- P057 Oxidative Stress Mediated IGF-1 resistance contribute to skin atrophy in Connective Tissue Specific Manganese Superoxide Dismutase Deficient Mice**
K. Singh, P. Maity, A. Geminn, N. Treiber, M. Wlaschek, K. Scharffetter-Kochanek; Ulm
- P058 Cartilage Oligomeric Matrix Protein (COMP) - a modifier of skin matrix suprastructure**
P. Agarwal, D. Zwolanek, M. Koch, D. Keene, K. Blumbach, J. Schulz, F. Zaucke, D. Heinegard, T. Krieg, B. Eckes; Cologne, Portland, Lund

- P059** **Progressive Decrease in Number, Differentiation Potential and Accumulation of DNA Damage of ABCB5+ Mesenchymal Stem Cells in the Skin during Aging**
 B. Meier, J. de Vries, Y. Ziouta, A. Basu, S. Iben, S. Vander Beken, H. Hainzl, L. Sante, M. Wlaschek, C. Ganss, M. Frank, N. Frank, K. Scharffetter-Kochanek;
 Ulm, Heidelberg, Boston
- P060** **Mesenchymal Stromal Cells for the Treatment of inherited Skin Fragility Disorders**
 C. Hünefeld, M. Mezger, I. Müller, A. Nyström, J. Kern, L. Bruckner-Tuderman, R. Handgretinger, M. Röcken; Tuebingen, Freiburg, Hamburg
- P061** **Partial characterization of epidermal RNase activities**
 H. Fischer, L. Eckhart, J. Scherz, C. Ballaun, M. Mildner, E. Tschachler; Vienna

Chemokines/Cytokines

- P062 (V08)** **A crucial role of granulocyte-macrophage colony-stimulating factor in the pathogenesis of experimental epidermolysis bullosa acquisita**
 U. Samavedam, S. Müller, A. Recke, E. Schmidt, D. Zillikens, R. Ludwig; Luebeck
- P063 (V20)** **Tyrosine kinase inhibitor SU6668 blocks the nucleic-acid-induced IFN-expression of keratinocytes: TBK1 as a potential drug-target for the treatment of cutaneous lupus erythematosus**
 S. Zahn, J. Orthmann, S. Sharma, T. Bieber, T. Tüting, J. Wenzel; Bonn
- P064** **IL-27 regulates IL-18 Binding Protein in skin resident cells**
 M. Wittmann, R. Doble, M. Bachmann, J. Pfeilschifter, T. Werfel, H. Mühl;
 Leeds, Frankfurt, Hannover

Clinical Research

- P065** **Non-invasive repetitive in vivo analysis of inflammatory skin diseases by intravital multiphoton tomography**
 V. Huck, C. Gorzelanny, V. Getova, C. Mess, K. Thomas, V. Niemeyer, D. Metze, T. Luger, S. Schneider; Mannheim, Muenster
- P066** **Health-related Quality of Life in hand eczema patients: international development and validation of a new questionnaire**
 R. Ofenloch, E. Weisshaar, T. Diepgen, C. Apfelbacher; Heidelberg, Regensburg
- P067** **The BRAFV600E kinase inhibitor vemurafenib induces apoptosis through a process involving induction of endoplasmic reticulum stress in melanoma cells**
 D. Beck, H. Niessner, D. Kulms, K. Flaherty, M. Schaller, C. Garbe, F. Meier;
 Tuebingen, Stuttgart, Boston
- P068** **Potency of new duplex drugs linking 3'-C-ethynylcytidine and 5-fluoro-2'-deoxyuridine against human melanoma in vitro and in vivo**
 S. Schott, H. Niessner, T. Sinnberg, S. Venturelli, A. Berger, S. Noor, C. Garbe, C. Busch;
 Heidelberg, Tuebingen

- P069** **The diagnostic yield of Wells Score and D-Dimer testing in dermatological patients with symptoms of deep vein thrombosis**
H. Haenssle, N. Ayad, T. Buhl, A. Rosenberger, K. Thoms, M. Schön, M. Zutt;
Goettingen, Bremen
- P070** **Dermal open-flow microperfusion as a novel technique for in vivo measurement of dermal interstitium**
B. Aigner, M. Bodenlenz, C. Höfferer, J. Priedl, C. Dragatin, B. Kiefer, S. Korsatko, L. Liebenberger, S. Zahiragic, R. Raml, C. Magnes, J. Becker, T. Pieber, F. Sinner; Graz
- P071** **Sensitive and specific detection of collagen VII-specific autoantibodies by novel immunoassay using chimeric recombinant antigen**
E. Licarete, S. Ganz, M. Recknagel, G. Di Zenzo, T. Hashimoto, M. Hertl, G. Zambruno, G. Hundorfean, J. Mudter, M. Neurath, L. Bruckner-Tuderman, C. Sitaru;
Freiburg, Cluj-Napoca, Rome, Kurume, Fukuoka, Marburg, Erlangen
- P072** **Thermoablation („steam vein sclerosis“) der Hautstammvenen**
H. Riebe, A. Ladwig, M. Tembulatov, M. Juenger; Greifswald
- P073** **Ustekinumab improves quality of life outcomes in psoriasis patients transitioned from methotrexate regardless of transition strategy: Week 16 results from the TRANSIT study**
K. Reich, L. Puig, T. Luger, J. Lambert, S. Chimenti, G. Girolimoni, J. Nicolas, K. Kragballe, E. Rizova, S. Mistry, B. Schenkel, P. Bergmans, J. Barker, C. Paul;
Hamburg, Barcelona, Muenster, Ghent, Rome, Verona, Lyon, Arhus, Issy les Moulineaux, High Wycombe, Horsham, Tilburg, London, Toulouse
- P074** **Ustekinumab is well-tolerated & effective in patients with psoriasis inadequately responsive to methotrexate: Week 12 results from the TRANSIT study**
C. Paul, L. Puig, T. Luger, J. Lambert, S. Chimenti, G. Girolimoni, J. Nicolas, K. Kragballe, E. Rizova, S. Mistry, P. Bergmans, J. Barker, K. Reich;
Toulouse, Barcelona, Muenster, Ghent, Rome, Verona, Lyon, Arhus, Issy les Moulineaux, High Wycombe, Tilburg, London, Hamburg
- P075** **Cutaneous effects of α -MSH-analogue afamelanotide in treatment of erythropoietic protoporphyria**
T. Strunk, S. Hetzer, C. Kochs, E. Muehlenstaedt, M. Siegesmund, V. Kuerten, P. Poblete-Gutiérrez, A. Anstey, J. Frank, N. Neumann, S. Hanneken;
Duesseldorf, Maastricht, Newport (Gwent)
- P076** **Anti-TNF treatment with etanercept results in early changes of functional gene cluster expression in psoriatic skin lesions**
J. Ehrchen, N. Münck, C. Sunderkötter; Muenster
- P077** **Development and application of an autologous full-thickness skin equivalent for non-healing or slowly healing wounds**
E. Valesky, M. Butting, M. Hofmann, S. Kippenberger, R. Kaufmann, A. Bernd, J. Bereiter-Hahn, N. Zoeller; Frankfurt
- P078** **A prospective evaluation of quality of life, dosing and efficacy in patients with psoriasis and treatment with fumaric acid esters**
F. Walker, A. Adamczyk, J. Brück, C. Kellerer, M. Röcken, K. Ghoreschi; Tuebingen
- P079** **Plasmacytoid dendritic cells in pemphigus vulgaris**
K. Karlmark, S. Stein, M. Hertl, M. Schnare, R. Eming; Marburg

- P080** **The TNFalpha blocker etanercept ameliorates psoriasis by downregulating proinflammatory slan (6-sulfo LacNAc) dendritic cells**
C. Günther, K. Blau, N. Zimmermann, U. Förster, A. Viehweg, G. Wozel, K. Schäkel; Dresden, Heidelberg
- P081** **Persistence of bacteria like Pseudomonas aeruginosa in non-healing venous ulcerations**
R. Renner, M. Sticherling, J. Simon; Leipzig, Erlangen
- P082** **Prospective, Randomized, Investigator-blind, Controlled Therapy Study on Treatment of Haemangioma of Infancy: Pulsed Dye Laser versus Cryotherapy versus Observation**
H. Maier, A. Wanka, A. Schmalwieser, B. Maier, T. Dani, R. Neumann, H. Hönigsmann; Vienna

Dermato-Endocrinology

- P083** **Age and skin site related differences in steroid metabolism in male skin point to a key role of sebocytes in cutaneous hormone metabolism**
M. Haag, T. Hamann, A. Kulle, F. Riepe, T. Blatt, H. Wenck, P. Holterhus, R. Peirano; Hamburg, Kiel
- P084** **Evidence for Epigenetic Modulation of Vitamin D Signaling In Melanoma Cell Lines**
S. Essa, S. Reichrath, U. Mahlknecht, M. Montenarh, T. Vogt, J. Reichrath; Homburg
- P085** **Association of Genetic Variants of the Vitamin D Receptor (VDR) with Cutaneous Squamous Cell Carcinomas (SCC) and Basal Cell Carcinomas (BCC): A Pilot Study in a German Population**
M. Koreng, K. Köstner, N. Denzer, S. Reichrath, S. Gräber, R. Klein, W. Tilgen, T. Vogt, J. Reichrath; Homburg, Kaiserslautern
- P086 (V02)** **Low serum 25-hydroxyvitamin D concentrations are associated with increased risk for melanoma and unfavourable prognosis**
B. Bade, S. Gräber, C. Hafner, J. Geisel, T. Vogt, J. Reichrath; Homburg, Regensburg
- P087** **Development of a non radioactive aromatase assay with primary human skin fibroblasts**
H. Sadegh Pour Saleh, N. Zoeller, M. Butting, M. Hofmann, R. Lauster, R. Kaufmann, S. Kippenberger, A. Bernd; Frankfurt, Berlin
- P089** **No association of vitamin D signaling-related polymorphisms and melanoma risk as well as melanoma prognosis: A case-control study**
A. Schäfer, S. Emmert, J. Kruppa, S. Schubert, M. Tzvetkov, R. Mössner, K. Reich, C. Berking, M. Volkenandt, C. Pföhler, M. Schön, T. Vogt, I. König, J. Reichrath; Goettingen, Luebeck, Homburg, Hamburg, Munich
- P090** **Anti-inflammatory and anti-pruritic activity of topical kappa-opioid receptor agonists in a murine model of oxazolone-induced delayed type hypersensitivity**
M. Soeberdt, T. Lotts, D. Schepmann, B. Wunsch, D. Metze, S. Ständer, C. Abels; Bielefeld, Muenster
- P091** **Where do human Merkel cells come from? Immunohistochemical analyses of putative progenitor cell markers and potential regulators**
T. Tilling, E. Wladykowski, P. Houdek, J. Brandner, I. Moll; Hamburg

- P092** **The pregnane X receptor (PXR) controls Langerhans cell migration via CCR7**
A. Elentner, M. Schmuth, M. Hermann, F. Gonzalez, S. Dubrac; Innsbruck, Bethesda
- P093** **Differential effects of high glucose on human keratinocytes and fibroblasts and the impact of KdPT on glucotoxicity**
P. Gkogkolou, T. Luger, M. Böhm; Muenster
- P094** **Skin quality and stress reaction of young and old skin can be influenced by skin care products**
R. Elewa, E. Camera, J. Fluhr, M. Picardo, G. Beauchef, C. Heusele, M. Abdallah, N. Youssef, C. Zouboulis; Dessau, Cairo, Rome, Berlin, Paris
- P095** **Tropisetron, a serotonin antagonist, modulates the inflammatory cell response of human epidermal melanocytes and keratinocytes after exposure of UVB light or TNF-alpha**
A. Stegemann, T. Luger, M. Böhm; Muenster
- P096** **Macrophage-activating lipopeptide 2 regulates the stearyl-CoA desaturase/fatty acid desaturase 2 proinflammatory signalling in human SZ95 sebocytes**
C. Zouboulis, S. Angres; Dessau
- P097** **Microarray-based analysis to identify new genes relevant for aging in human female hair follicles**
T. Fischer, K. Kleszczynski, N. Kruse, D. Zillikens; Luebeck
- P098** **Identification of novel caffeine target genes in human hair follicles**
T. Fischer, T. Biro, N. Kruse, D. Zillikens, R. Paus; Luebeck, Debrecen, Manchester
- P099** **Analysis of the putative association of genetic variants of key components of the vitamin D endocrine system (vitamin D receptor, vitamin D binding protein, CYP27B1, CYP24A1) with melanoma risk and prognosis**
D. Schulz, A. Weinhold, S. Reichrath, S. Gräber, C. Hafner, T. Vogt, J. Reichrath; Homburg, Regensburg
- P100** **Galanin and its receptors as modulators of eccrine sweat gland physiology**
B. Holub, B. Brodowicz, D. Bovell, B. Kofler, R. Lang; Salzburg, Glasgow
- P101** **Galanin is a vital activation agent for polymorphonuclear neutrophils**
S. Schmidhuber, A. Lang, J. McDougall, B. Brodowicz, R. Lang, B. Kofler; Salzburg, Alberta
- P102** **SZ95 sebocytes induce melanocyte dendricity and proliferation in Vitro.**
M. Abdel-Naser, H. Seltmann, C. Dessinioti, C. Zouboulis; Dessau
- P103** **Functional influence of vitamin D and its receptor on adult human scalp skin epithelial progenitor biology in situ**
K. Bohm, S. Tiede, R. Paus; Luebeck, Manchester
- P104 (V14)** **Inhibition of subtilisin-kexin isozyme-1, a member of the prohormone convertase family, induces apoptosis of human melanoma cells**
N. Weiß, A. Stegemann, T. Luger, C. Weishaupt, M. Böhm; Muenster
- P105** **UVB triggers the NALP1 inflammasome and S100 'alarmins' for IL-1beta release in epidermal keratinocytes**
S. Zwicker, D. Bureik, T. Ruzicka, R. Wolf; Munich

- P106** **Examination of cellular processes in induced pluripotent stem cells from healthy and patient-derived human skin biopsies comparison with their corresponding parental cells**
A. Hossini, A. Prigione, B. Lichtner, E. Makrantonaki, J. Adjaye, C. Zouboulis; Dessau, Berlin
- P107** **Inactivation of integrin 21 and 111 results in severely diminished IGF-1 levels leading to dwarfism**
K. Blumbach, B. Belgardt, A. Niehoff, H. Ehlen, D. Gullberg, J. Schulz, J. Bruening, M. Schubert, T. Krieg, B. Eckes; Cologne, Bergen
- P108** **Cortisol and Brain Derived Neurotrophic Factor levels are altered by exam stress: consequences for tissue regeneration in healthy young women**
E. Peters, C. Liezmann, W. Snaga, J. Kruse, T. Schmidt-Rose, H. Max, D. Schweiger, B. Klapp; Berlin, Gießen, Hamburg
- P109** **Chronic stress upregulates Langerhans cell-nerve fibre contacts and counter-regulates allergic inflammation**
C. Liezmann, W. Snaga, M. Daniltchenko, B. Klapp, J. Kruse, E. Peters; Berlin, Gießen
- P110** **Effects of the combination of vitamin D and calcium in SZ95 sebocyte regulation**
H. Seltmann, G. Nikolakis, C. Dessinioti, G. Menon, C. Zouboulis; Dessau

Dermatopathology

- P111** **Human keratinocytes express AIM2 and respond to dsDNA with IL-1 β secretion**
V. Kopfnagel, M. Wittmann, T. Werfel; Hannover, Leeds
- P112** **Deciphering the mechanism of pseudosyndactyly in recessive dystrophic epidermolysis bullosa**
J. Breitenbach, C. Gruber, A. Trost, B. Bogner, H. Hintner, J. Bauer; Salzburg
- P113** **Prognostic factors in squamous cell carcinoma of the skin**
Y. Preiml, H. Pehamberger, R. Loewe; Vienna
- P114** **Transformed cutaneous CD30 positive T-cell lymphoma of the lymph node mimicking classical Hodgkin lymphoma**
F. Eberle, J. Song, L. Xi, M. Raffeld, N. Harris, W. Wilson, S. Pittaluga, E. Jaffe; Tuebingen, Bethesda, Boston
- P115 (V03)** **Role of IL-24 in psoriasis pathogenesis**
E. Witte, K. Wolk, K. Witte, H. Volk, W. Sterry, R. Sabat; Berlin
- P116** **Specific and overlapping functions of T-cell mediators in psoriasis pathogenesis**
K. Wolk, E. Witte, S. Philipp, H. Volk, W. Sterry, R. Sabat; Berlin
- P117 (V15)** **A Humanized HLA-class II transgenic mouse model for the analysis of desmocollin 3-specific T – and B cell responses in pemphigus**
M. Llamazares, S. Spözl, K. Karlmark, M. Hertl, R. Eming; Marburg

Epidemiology

- P118** **Anxiety and depression are less frequent in patients with autoreactive as compared to non autoreactive chronic spontaneous urticaria**
K. Weller, I. Koti, M. Maurer; Berlin, Athens
- P119** **Epidemiology and Care of Childhood Urticaria – Results of an Expert Survey**
K. Weller, K. Kroll, M. Maurer; Berlin
- P120** **Association of utility-based and psychometric measures of quality of life of patients with psoriasis vulgaris**
J. Schmitt, S. Spitzer, C. Apfelbacher; Dresden, Regensburg
- P121** **Translation and cross-cultural adaption of the Nordic Occupational Skin Questionnaire (NOSQ-2002) to German**
M. Girbig, C. Apfelbacher, J. Hegewald, S. Deckert, K. Rossa, J. Butler, L. Seidler, A. Seidler, J. Schmitt; Dresden, Regensburg
- P122** **Predictive value of food sensitization and filaggrin mutations in children with eczema**
B. Filipiak-Pittroff, C. Schnopp, E. Rodriguez, D. Berdel, A. Naumann, S. Sedlmeier, A. Onken, R. Fölster-Holst, H. Baurecht, M. Ollert, J. Ring, C. Cramer, A. von Berg, C. Bauer, O. Herbarth, I. Lehmann, B. Schaaf, S. Koletzko, H. Wichmann, J. Heinrich,; Munich, Wesel, Tuebingen, Kiel, Duesseldorf, Leipzig, Bad Honnef
- P123** **Prevalence Analysis of Frequent Dermatoses in Proband of a Population-Based Study in Pomerania (SHIP-1)**
A. Arnold, S. Lutze, A. Ladwig, H. Riebe, G. Daeschlein, P. Troitzsch, C. Schmidt, H. Voelzke, M. Juenger; Greifswald
- P124** **Prevalence and health care situation of juvenile psoriasis in Germany**
S. Kämpfe, M. Augustin, I. Schäfer, G. Glaeske, C. Schick Tanz, M. Radtke; Hamburg, Bremen
- P125** **1-year mortality rate in bullous pemphigoid - significant correlation of autoantibody levels against BP180 at time of diagnosis**
B. Monshi, B. Piringer, M. Schmidt, K. Rappersberger; Vienna
- P126 (V04)** **Remission of eczema in children and influencing factors: a prospective population-based Swedish study**
L. von Kobyletzki, C. Bornehag, E. Breeze, M. Larsson, L. Hägerhed Engman, C. Boman Lindström, A. Svensson; Malmö, Karlstad, London, Borås

Genetics

- P127** **Germline mutations in BAP1 predispose to melanocytic tumors**
T. Wiesner, A. Obenauf, R. Murali, I. Fried, K. Griewank, P. Ulz, C. Windpassinger, W. Wackernagel, S. Loy, I. Wolf, A. Viale, A. Lash, M. Pirun, N. Socci, A. Rütten, G. Palmedo, D. Abramson, K. Offit, A. Ott, J. Becker, L. Cerroni, H. Kutzner, B. Bastian; Graz, New York, Friedrichshafen
- P128** **FGFR3, PIK3CA and RAS mutations in lichenoid keratosis**
L. Groesser, E. Herschberger, M. Landthaler, C. Hafner; Regensburg

- P129 Subcutaneous Panniculitis-like T-Cell Lymphomas do not show genetic aberrations with array CGH**
I. Fried, T. Wiesner, J. Becker, L. Cerroni; Graz
- P130 Characterization of novel XP-G patients: Prognostic assessment on the basis of mutational analysis**
A. Schäfer, A. Gratchev, P. Laspe, A. Ohlenbusch, S. Schubert, M. Schön, S. Emmert; Goettingen, Mannheim
- P131 Association of gene polymorphisms with cutaneous melanoma**
M. Jantke, M. Tsvetkov, S. Kamalapaskaran, P. Laspe, I. Koenig, M. Schön, S. Emmert; Goettingen, Luebeck
- P132 (V05) Host genetics play a dual role in controlling both skin bacterial species and autoimmune blistering skin disease**
G. Srinivas, S. Moeller, R. Ludwig, S. Kuenzel, D. Zillikens, J. Baines, S. Ibrahim; Ploen, Luebeck
- P133 No evidence of viral genomes in whole-transcriptome sequencings of melanomas**
M. Menzel, M. Feldhahn, D. Meckbach, N. Weber, C. Garbe, M. Röcken, O. Kohlbacher, J. Bauer; Tuebingen
- P134 Filaggrin deficiency in ichthyosis vulgaris (IV): increase of skin pH and evidence for imbalance of KLK activity in a 3D keratinocytic model for IV**
I. Zараeva, A. Perusquia, T. Tarinski, N. Seller, K. Aufenvenne, D. Breitkreuz, I. Hausser, H. Traupe, V. Oji; Muenster, Heidelberg
- P135 2-Photon Fluorescence Lifetime Imaging Microscopy (2P-FLIM) to assess pH in filaggrin-deficient skin equivalents**
V. Martinz, C. Börnchen, R. Gruber, M. Behne, M. Schmuth; Innsbruck, Hamburg
- P136 Late-onset erythropoietic protoporphyria caused by mosaicism after autologous blood stem cell transplantation and radiation therapy**
M. Siegesmund, E. Muehlenstaedt, R. Stefaniak, T. Strunk, V. Kuerten, P. Poblete-Gutiérrez, N. Neumann, M. van Geel, D. Humme, J. Frank, S. Hanneken; Duesseldorf, Maastricht, Berlin
- P137 Withdrawn**
- P138 Pemphigus vulgaris in Egyptians is associated with the HLA Class II alleles DRB1*04:02:01, *14:56 and *08:04:01**
O. Haase, R. Alneebari, M. El-Darouti, M. Hertl, R. Eming, A. Recke, S. Möller, E. Schmidt, D. Zillikens, S. Ibrahim; Luebeck, Cairo, Marburg
- P139 The Cockayne Syndrome (CS) A and B proteins interact with the mitochondrial nucleoid involved in transcription of mitochondrial DNA: possible relevance for neurodegeneration of CS**
Y. Kamenisch, S. Giovannini, N. Düzenli, M. Röcken, M. Berneburg; Tuebingen

Health Services Research

- P140** **How to measure quality in lymphedema care: development and application of a new quality of care index**
C. Blome, A. Sandner, K. Herberger, K. Heyer, M. Augustin; Hamburg
- P141** **Disease related stress in children with Neurofibromatosis type 1 in Germany from their own and their parents' point of view**
A. Langenbruch, V. Mautner, S. Granström, M. Augustin; Hamburg
- P142** **Quality of Health Care of Atopic Dermatitis in Germany: Results of the National Health Care Study AtopicHealth 2010**
N. Franzke, A. Langenbruch, M. Augustin; Hamburg
- P143** **Kaletra®/Truvada® as Post Exposure Prophylaxis (PEP) to HIV - an effective and well tolerated regimen**
M. Schreiner, V. Touzeau-Römer, G. Stingl, A. Rieger, A. Jalili; Vienna
- P144** **Characteristics and care of patients with chronic hand eczema: update from the carpe registry**
C. Apfelbacher, S. Molin, E. Weisshaar, A. Bauer, V. Mahler, J. Schmitt, T. Ruzicka, P. Elsner, T. Diepgen; Heidelberg, Regensburg, Munich, Dresden, Erlangen, Jena
- P145** **Health care situation of patients with chronic pain after surgery in Germany – a secondary data analysis project**
K. Heyer, C. Spehr, M. Augustin; Hamburg
- P146** **Routine skin cancer screening in Germany 2008-2011: performance and evaluation from the dermatological perspective**
I. Schäfer, T. Kornek, C. Blome, M. Reusch, M. Augustin; Hamburg

Immunology

- P147** **Cutaneous over-expression of RANKL up-regulates MHC class I-mediated anti-viral immunity**
L. Klenner, W. Hafezi, V. Kupas, E. Lorentzen, T. Luger, J. Kühn, S. Beissert, K. Loser; Muenster
- P148 (V06)** **TNF-alpha blockade ameliorates systemic autoimmunity by inducing functional regulatory T cells**
M. Voskort, T. Görge, T. Luger, S. Beissert, K. Loser; Muenster
- P149 (V17)** **Mast cells establish effective anti-tumor immune defense**
T. Biedermann, T. Volz, M. Köberle, M. Röcken, S. Kaesler; Tuebingen
- P150** **The tumor suppressive microRNA-34a and microRNA-34c control the expression of the NKG2D ligand ULBP2**
A. Heinemann, A. Steinle, S. Diederichs, D. Schadendorf, A. Paschen; Essen, Frankfurt, Heidelberg
- P151** **CB1 receptor deficiency in epidermal keratinocytes promotes contact allergic inflammation and delays epidermal barrier repair response**
M. Cron, N. Glodde, T. Bald, C. Jakobs, R. Kuner, A. Zimmer, B. Lutz, T. Tüting, E. Gaffal; Bonn, Heidelberg, Mainz

- P152** **Modulation of inflammatory macrophage functions by artificial extracellular matrices composed of collagen and sulfated hyaluronan**
S. Franz, I. Forstreuter, F. Allenstein, J. Kajahn, V. Hintze, S. Möller, J. Simon;
Leipzig, Dresden, Jena
- P153** **Extracellular [64Cu]DOTA-antibody labeling of OVA-Th1 cells for in vivo positron emission tomography (PET) imaging yields less impact on OVA-specific T cell functioning and a higher contrast compared to intracellular [64Cu]PTSM labeling**
C. Griebinger, S. Wiehr, D. Bukala, I. Glocova, C. Kesenheimer, W. Ehrlichmann, G. Reischl, M. Röcken, B. Pichler, M. Kneilling; Tuebingen
- P154** **Essential Role of Cathepsin B during Contact Hypersensitivity Reactions**
J. Schwenck, K. Fuchs, C. Griebinger, D. Bukala, A. Maurer, H. Kalbacher, S. Laufer, M. Röcken, B. Pichler, M. Kneilling; Tuebingen
- P155** **Increasing numbers of circulating CD11b+ and CD33+ MDSC in melanoma patients lead to general reduction of T cell reactivity and correlate with melanoma progression.**
A. Gerwe, B. Rudolph, N. Bacher, K. Steinbrink, S. Grabbe, C. Loquai, A. Tuettenberg;
Mainz
- P156 (V18)** **Human CD8+ T cells need CD4 T-cell-help to escape deletion upon re-stimulation in vitro**
S. Böhm, G. Schuler, J. Dörrie, N. Schaft; Erlangen
- P157** **Mutated tumor antigens as targets for cancer immunotherapy**
S. Prommersberger, S. Höfflin, S. Gross, G. Schuler, J. Dörrie, N. Schaft; Erlangen
- P158** **Retargeting T cells with MHC-independent chimeric antigen receptors by RNA electroporation**
C. Krug, P. Schmidt, M. Chmielewski, K. Birkholz, M. Schwenkert, G. Fey, B. Schuler-Thurner, G. Schuler, H. Abken, J. Dörrie, N. Schaft; Erlangen, Cologne
- P159** **Improvement of the T-cell stimulatory capacity and IL-12p70 secretion of dendritic cells via constitutive activation of the NFκB-pathways**
I. Pfeiffer, R. Voll, E. Gückel, G. Schuler, N. Schaft, J. Dörrie; Erlangen, Freiburg
- P160 (V19)** **Spleen tyrosine kinase (Syk) promotes granulocyte-mediated skin blistering induced by autoantibodies**
C. Sitaru, K. Csorba, E. Licarete, T. Nemeth, L. Bruckner-Tuderman, A. Mocsai;
Freiburg, Budapest
- P161** **Regulatory T cells induced by the AhR ligand nonylphenol express GARP**
A. Schwarz, F. Navid, T. Schwarz; Kiel
- P162** **Cutaneous innate immune sensing of TLR2 ligands induce myeloid-derived suppressor cells and potently suppresses cutaneous immune responses to limit and terminate skin inflammation**
Y. Skabytska, M. Köberle, K. Chen, S. Kaesler, T. Biedermann; Tuebingen
- P163** **Mapping of pathogenic epitopes in experimental epidermolysis bullosa acquisita**
K. Csorba, F. Florea, E. Licarete, V. Vuta, L. Bruckner-Tuderman, C. Sitaru; Freiburg

- P164 (V21) Treg exert anti-inflammatory activity by A2A adenosine receptor mediated, cAMP-driven downregulation of adhesion molecules on endothelial cells**
S. Ring, A. Enk, K. Mahnke; Heidelberg
- P165 Immunization with the antigen MOG fused to a novel single chain fragment variable (scFv) for murine DEC-205 suppresses development of experimental allergic encephalomyelitis (EAE) in mice**
S. Ring, M. Maas, A. Enk, K. Mahnke; Heidelberg
- P166 (V26) Rapid neutrophil activation by Mac-1-GPIIb/alpha interaction on tunable nanostructured surfaces under flow**
L. Erpenbeck, S. Kruss, K. Amschler, J. Spatz, M. Schön; Goettingen, Stuttgart
- P167 Staphylococcal exotoxins are strong inducers of Interleukin (IL)-22: A potential role in atopic dermatitis**
M. Niebuhr, H. Scharonow, M. Gathmann, D. Mamerow, T. Werfel; Hannover
- P168 IL-10-modulated human dendritic cells: induction of anergic T cells by CD83/CCR7/HLA-DR^{high} as well as CD83^{low}CCR7^{negative}HLA-DR^{low} subpopulations of tolerogenic DC**
F. Kryczanowsky, E. Graulich, K. Rost, H. Adler, K. Steinbrink; Mainz
- P169 Langerhans Cell-selective Deletion of EpCAM (CD326) Attenuates Langerhans Cell Motility and Migration In Vivo and Enhances Contact Hypersensitivity Reactions**
M. Becker, T. Lämmermann, X. Feng, B. Igyarto, D. Kaplan, L. Tessarollo, R. Germain, M. Udey; Bethesda, Heidelberg, Minneapolis, Frederick
- P170 (V28) Apis mellifera (honey bee) toxin activates the AIM2 inflammasome in primary keratinocytes**
Y. Dombrowski, M. Peric, S. Koglin, N. Kaymanakov, V. Schmezer, J. Schaubert; Munich
- P171** Withdrawn
- P172 Murine beta-defensin-14 exerts its immunosuppressive effects via affecting T cells but not antigen presenting cells**
F. Navid, T. Schwarz, E. Proksch, K. Ahrens, A. Schwarz; Kiel
- P173 Size and sulfation of hyaluronan- how do they affect macrophage functions?**
J. Kajahn, E. Rückert, S. Franz, I. Forstreuter, S. Möller, R. Haag, J. Simon; Leipzig, Jena, Berlin
- P174 The immunomodulatory tripeptide K(D)PT, related to the C-terminal sequence of α -melanocyte-stimulating hormone, ameliorates ongoing psoriasis by inducing tolerogenic DC**
C. Sternemann, M. Soeberdt, T. Brzoska, M. Auriemma, C. Abels, T. Luger, K. Loser; Muenster, Bielefeld, Chieti
- P175 Thymic Stromal Lymphopoietin (TSLP) is highly upregulated in epidermis of Scurfy mice as a potential differentiation factor for the strong Th2-deviation in autoimmune skin inflammation of Scurfy mice**
E. Hadaschik, B. Heckmann, A. Enk; Heidelberg
- P176 Bisphenol A regulates PPAR gamma expression in immune cells**
S. Petzold, T. Polte, J. Simon, M. Aeverbeck; Leipzig

- P177** **Gain-of-function human STAT1 mutations in patients with chronic mucocutaneous candidiasis**
J. Hiller, S. Eyerich, K. Eyerich, M. Schaller, J. Casanova, S. Cypowyj, A. Puel, J. Ring, H. Behrendt, C. Schmidt-Weber, H. Hofmann, C. Traidl-Hoffmann;
Munich, Tuebingen, Paris, New York
- P178** **Keratinocyte derived mediators and their influence on T cell effector functions**
D. Dittlein, S. Eyerich, K. Eyerich, C. Schmidt-Weber, J. Ring, H. Behrendt, C. Traidl-Hoffmann; Munich
- P179 (V30)** **Sulfonated- and phosphonated-polystyrene nanoparticles enhance stimulatory capacity of human dendritic cells**
S. Frick, N. Bacher, G. Baier, A. Zeller, V. Mailänder, K. Landfester, K. Steinbrink; Mainz
- P180** **The pathogenic effect of autoantibodies in anti-p200 pemphigoid patients is not mediated by reactivity to the C-terminus of laminin gamma1**
K. Vafia, S. Groth, T. Beckmann, M. Hirose, J. Dworschak, R. Ludwig, D. Zillikens, E. Schmidt; Luebeck
- P181** **Ligands of the danger receptor RAGE are highly upregulated in psoriatic lesions**
J. Polz, C. Gebhardt, A. Enk; Heidelberg
- P182** **Mast cells control chronic type IV allergic skin inflammation in mice**
V. Gimenez-Rivera, F. Siebenhaar, M. Metz, M. Maurer; Berlin
- P183** **Gene gun treatment with NC16A prevents autoimmunity towards hBPAG2 in a skin grafting model**
M. Ettinger, D. Peckl-Schmid, C. Gruber, M. Laimer, J. Thalhamer, H. Hintner, I. Gratz, J. Bauer; Salzburg
- P184** **Interferon-alpha induced reduction of suppressor activity of human CD4+CD25high regulatory T cells is associated with loss of cAMP and altered immuno-phenotype**
N. Bacher, T. Bopp, C. Becker, E. Graulich, K. Steinbrink; Mainz
- P185** **Alterations in regulatory T cell population in atopic-dermatitis-like inflammation in mice**
V. Martinz, C. Tripp, M. Schmuth, S. Dubrac; Innsbruck
- P186** **Antibodies to the von Willebrand Factor A domain of type VII collagen induce strain-dependent subepidermal blistering in mice**
H. Iwata, S. Leinweber, U. Samavedam, A. Shimizu, A. Ishiko, K. Seeger, E. Schmidt, D. Zillikens, R. Ludwig; Luebeck, Tokyo
- P187** **A critical role for ROS production and fragmentation of hyaluronic acid in full DC activation by contact allergens and CHS responses**
P. Esser, U. Woelfle, T. Jakob, C. Schempp, S. Martin; Freiburg
- P188** **The flavonoid luteolin inhibits the autoantibody-induced granulocyte activation and tissue damage in experimental bullous pemphigoid**
E. Oswald, A. Sesarman, C. Franzke, C. Schempp, L. Bruckner-Tuderman, T. Jakob, S. Martin, C. Sitaru; Freiburg
- P189 (V31)** **Direct recruitment of slan (6-sulfo LacNAc) dendritic cells to immune complexes in a model of physiologically relevant fluid shear stress**

T. Döbel, A. Lonsdorf, A. Hänsel, A. Enk, K. Schäkel; Heidelberg

- P190 (V36) Mda5 activation and type I interferon signaling in the microenvironment seems to be more important for melanoma therapy with cytosolically targeted isRNA than direct induction of apoptosis in tumor cells**
M. Renn, T. Bald, A. Sporleder, S. Mikus, J. Landsberg, T. Tüting; Bonn
- P191 Autologous T Cell Stimulatory Capacity and Cell Yields of Peripheral Blood Mononuclear Cells for Dendritic Cell-based Immunotherapy differ between Cryopreservation Protocols**
T. Buhl, T. Legler, A. Rosenberger, A. Schardt, M. Schön, H. Haenssle; Goettingen
- P192 Therapeutic effect of TNF-alpha antagonists and fumaric acid esters in psoriasis is associated with increased peripheral and reduced lesional regulatory T cells**
A. Jacobi, C. Möbs, T. Carbone, A. Cavani, B. Greene, R. Moll, M. Hertl; Marburg, Rome
- P193 Dimethylfumarate protects from autoimmunity by preventing Th1 and Th17 immune responses**
I. Glocova, J. Brück, J. Geisel, K. Dengler, M. Röcken, K. Ghoreschi; Tuebingen
- P194 Diverse roles of curcumin and sodium benzoate on dendritic cells and autoimmunity**
J. Geisel, J. Brück, I. Glocova, K. Dengler, M. Röcken, K. Ghoreschi; Tuebingen
- P195 Heme oxygenase 1 regulates IL-23 transcription through interaction with NFκB**
J. Brück, O. Rothfuss, K. Dengler, I. Glocova, M. Racke, M. Röcken, K. Ghoreschi; Tuebingen, Columbus
- P196 Zytapherese (Adacolumn® Otsuka Pharma GmbH) als neues Therapieverfahren bei Patienten mit einem Lupus erythematodes**
S. Lutze, A. Arnold, H. Riebe, G. Daeschlein, M. Jünger; Greifswald
- P197 Glycolipid antigen as adjuvant for skin immunization against Melanoma**
C. Tripp, F. Sparber, I. Hermans, J. Idoyaga, N. Romani, P. Stoitzner; Innsbruck, Wellington, New York
- P198 A five years observational study of immunopathological characteristics and intermolecular epitope spreading in a case of anti-laminin 1 pemphigoid**
B. Monshi, S. Groth, L. Richter, D. Zillikens, K. Rappersberger; Vienna, Luebeck
- P199 Production modi of IL-22**
K. Wolk, K. Warszawska, K. Witte, K. Brett, E. Witte, W. Sterry, H. Volk, R. Sabat; Berlin
- P200 Novel dendritic cell-based in vitro system for the detection of autoreactive CD4+ T cells in pemphigus**
K. Karlmark, E. Wittmann, M. Llamazares, M. Hertl, M. Schnare, R. Eming; Marburg
- P201 Antimicrobially active HPLC-fractions of stratum corneum extracts contain N-terminal profilaggrin-peptides**
J. Bartels, J. Schröder; Kiel
- P202 Progressive skin fibrosis in Systemic Scleroderma is accompanied by the induction of MMP and Cathepsin expression**
P. Moinzadeh, S. Neumann, A. Kreuter, M. Berneburg, N. Hunzelmann; Cologne, Bochum, Tuebingen

- P203** **Slan-dendritic cells are a major population of human dermal dendritic cells in healthy skin and psoriasis**
C. Günther, J. Starke, N. Zimmermann, K. Schäkel; Dresden, Reutlingen
- P204** **Mast cells are key promoters of contact allergy that mediate the adjuvant effects of haptens**
A. Dudeck, J. Dudeck, J. Scholten, A. Petzold, S. Surianarayanan, A. Köhler, K. Peschke, D. Voehringer, C. Waskow, T. Krieg, W. Müller, A. Waisman, K. Hartmann, M. Gunzer, A. Roers; Dresden, Cologne, Magdeburg, Erlangen, Manchester, Mainz
- P205** **Paraoxonase 2 (PON2) functions as a quorum sensing quenching factor in human keratinocytes**
M. Simanski, L. Eberl, J. Harder; Kiel, Zürich
- P206** **Lack of CD14 contributes to the failure of *P. aeruginosa*-derived LPS to efficiently induce human beta-defensin-2 (hBD-2) expression in keratinocytes**
B. Jacobs, J. Harder; Kiel
- P207** **Prospective comparison of a specially composed biochip mosaic with the conventional multistep procedure in the serological diagnosis of autoimmune bullous diseases**
N. van Beek, K. Rentzsch, C. Probst, L. Komorowski, M. Kasperkiewicz, K. Fechner, W. Schlumberger, C. Daehnrich, I. Bloecker, D. Zillikens, W. Stoecker, E. Schmidt; Luebeck
- P208** **CD40L induces a vitamin D-dependent antimicrobial pathway in human macrophages**
M. Fabri, G. Klug-Micu, S. Stenger, R. Modlin; Los Angeles, Cologne, Ulm
- P209** **Old mice accumulate phenotypically abnormal T cells associated with distinct immune dysfunctions of immunosenescence**
S. Köllner, T. Oreshkova, L. Borkner, J. Scheuermann, J. Weiss, A. Sindrilaru, K. Scharffetter-Kochanek, T. Peters; Ulm, Sofia
- P210** **Analysis of single nucleotide polymorphisms in the IL7R and IL7 gene in patients with systemic sclerosis**
P. Moinzadeh, C. Fonseca, D. Abraham, V. Ong, C. Denton; London, Cologne
- P211 (V35)** **Impaired Wound Healing in CD18 Deficient Mice is due to Reduced Activation of the Phagocyte NADPH Oxidase NOX2 in Wound Macrophages**
A. Schlecht, S. Schatz, Y. Qi, S. Vander Beken, B. DeGeest, C. Hauser, A. Rück, T. Peters, P. Hawkins, K. Scharffetter-Kochanek, A. Sindrilaru; Ulm, Ghent, Cambridge
- P212 (V07)** **Mesenchymal Stem Cells Improve Wound Healing and Reduce Scar Formation in a Murine Full-Thickness Excisional Wound Model via the Release of TNF-stimulated gene 6**
Y. Qi, A. Sindrilaru, S. Wieschalka, D. Jiang, M. Rojewski, H. Hainzl, A. Schlecht, H. Schrezenmeier, K. Scharffetter-Kochanek; Ulm
- P213** **Tumor-derived myeloid-derived suppressor cells change immune response in experimental leishmaniasis**
A. Tsianakas, N. Kran, A. Brockhausen, N. Nippe, J. Ehrchen, J. Roth, G. Varga, C. Sunderkoetter; Muenster
- P214** **IFN- α treatment induces TRAIL expression on NK cells and myeloid cells present in the circulation of melanoma patients**
M. Kalb, B. Reininger, F. Koszik, M. Neumann, C. Höller, K. Rappersberger, G. Stingl; Vienna

- P215** **CD11c+ inflammatory dendritic cells and CD163+ macrophages are the main source of TNF-alpha in chronic plaque-type psoriasis**
P. Brunner, F. Koszik, M. Kalb, B. Reiningger, W. Bauer, I. Klein, G. Stingl; Vienna
- P216** **Exploring the feasibility of future combinatorial approaches of chemotherapy with immunotherapy for melanoma - influence of chemotherapeutic drugs on the functions of immune cells**
S. Gross, A. Vogel, W. Leisgang, A. Hamann, C. Trütschel, G. Schuler, E. Kämpgen; Erlangen
- P217** **Kinetics of antibodies and clinical response following immune adsorption (TheraSorb™-Ig-flex®) of patients with severe Atopic Dermatitis**
G. Daeschlein, S. Lutze, S. Scholz, M. Jünger; Greifswald
- P218** **IL-24 expression during early wound healing phase is depended on an inflammatory environment**
S. Kirsch, K. Witte, E. Witte, S. Endesfelder, K. Asadullah, H. Volk, W. Sterry, K. Wolk, R. Sabat; Berlin

Infectious Diseases

- P219** **Susceptibility of Staphylococcus aureus sepsis strains to different epithelial antimicrobial proteins**
B. Köten, K. Becker, R. Podschun, J. Harder, R. Gläser; Kiel, Muenster
- P220** **Distinct immune responses induced by lipoteichoic acid from S. aureus or S. epidermidis despite common pattern recognition pathways**
T. Volz, S. Kaesler, C. Draing, F. Götz, T. Hartung, M. Röcken, T. Biedermann; Tuebingen, Konstanz, Baltimore, MD
- P221 (V09)** **Leishmania major susceptibility is determined by the genetic background of leukocytes, not by stromal cells**
M. Fischer, B. Lorenz, M. Radsak, K. Griewank, E. von Stebut-Borschitz; Mainz, New York
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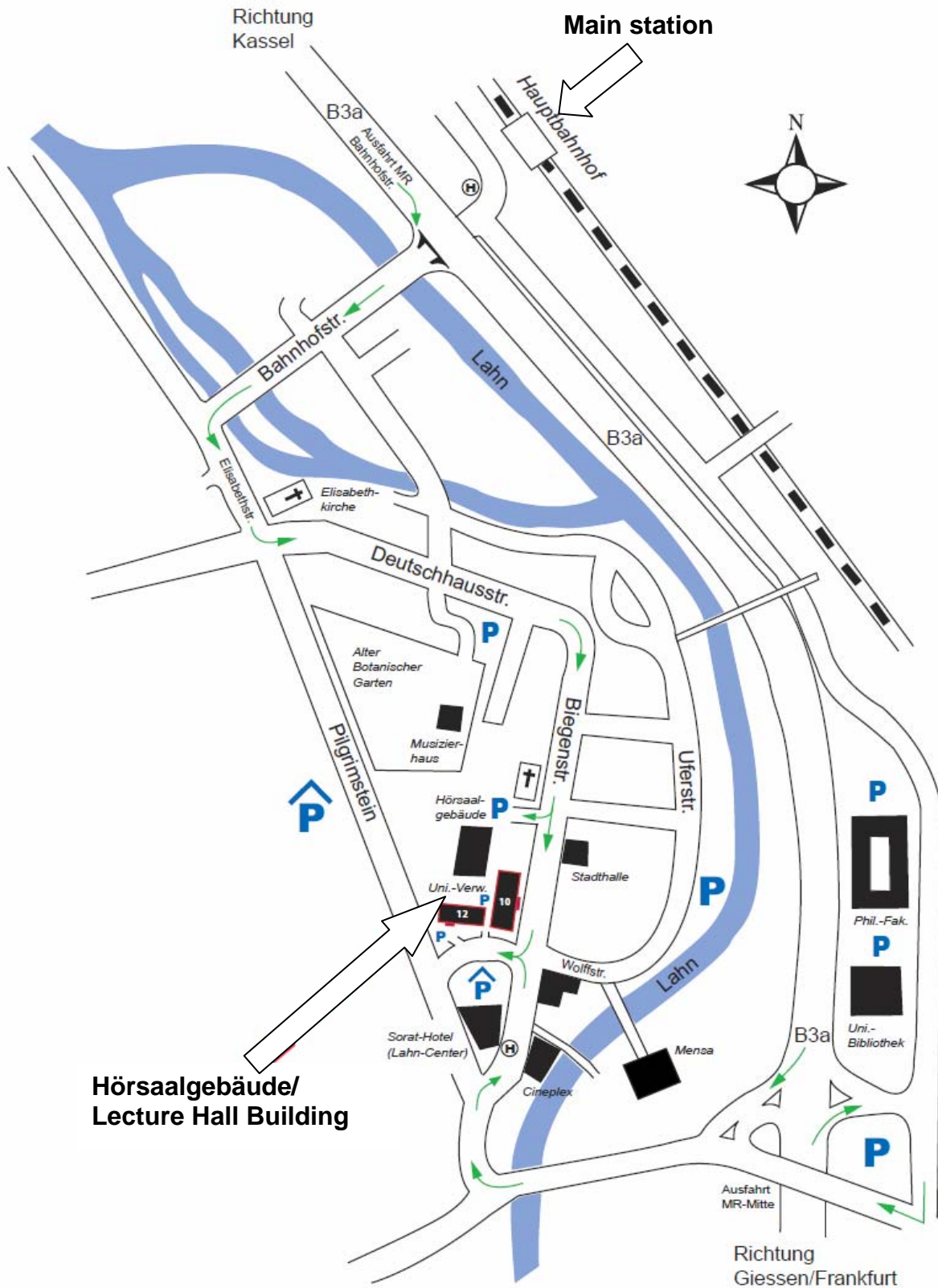
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