



**45th Annual Meeting
of the
Arbeitsgemeinschaft
Dermatologische Forschung**

in collaboration with the
Deutsche Dermatologische Gesellschaft (DDG)

March 7-10, 2018
Zurich, Switzerland

by February 08, 2018

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

Meeting Venue

**World Trade Center Zurich (WTC), Leutschenbachstrasse 95, CH-8050 Zurich,
Switzerland**

**Prior to the meeting contact the ADF office
Tel: +49 (0)30 24 62 53 16; Fax: +49 (0)30 24 62 53 17**

**During the meeting
Conference phone: +49 (0) 172 58 85 241**

How to get there:

The WTC is situated in the north of Zurich next to Glattpark, opposite the Swiss TV station.

Arrival by Public Transport

From Zurich Main station:

1. Glattalbahn line 10 to Glattpark, 5 min. walk along Schärenmoosstraße
2. Tram 11 to **Fernsehstudio**, walk along Leutschenbachstraße for 200 m to WTC
3. SBB to Oerlikon station

From Oerlikon station: Tram 11 to Fernsehstudio or Bus 781 to Fernsehstudio, walk along Leutschenbachstraße for 200 m to WTC

Arrival by Airplane

From Zurich Airport station: Glattalbahn line 10 to Glattpark, 5 min. walk along Schärenmoosstraße or Tram 12 to Fernsehstudio, walk along Leutschenbachstraße for 200 m to WTC

Arrival by Car

From Bern, Basel, Chur, Luzern: Exit Zurich Seebach

From Zurich Airport: Exit Opfikon, Wallisellen, Oerlikon

From St. Gallen: Exit Schwamendingen

There is a park house within the WTC of 160 places.

Site map see page 31 or <http://www.wtc-zurich.ch/de/lage>

Local Organisers

Lars French, Thomas Kündig, Reinhard Dummer

University Hospital Zurich, Dermatologische Klinik

Gloriastr. 31, CH – 8091 Zurich, Switzerland

Contact: Catherine Frey-Blanc, Tel: +41 44 255 86 63

E-Mail: c.frey-blanc@usz.ch

General Organisation, Registration, Hotel, Travel, Networking Programme

ADF office, Robert-Koch-Platz 7, 10115 Berlin, Germany

Contact: Elke Schmeckenbecher; Tel: +49 (0)30 24 62 53 16; E-Mail: info@adf-online.de

MEETING ORGANISATION

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

Wednesday, March 07, 2018:

Experimental Dermatooncology	12:00-18:00, Room Cape Town
Psoriasis	14:30-19:00, Room Tokyo
Atopic Dermatitis + Skin Barrier	14:00-18:00, Room Mumbai
Epidemiology	14:00-18:00, Room Dubai

Thursday, March 08, 2018:

Cutaneous Lymphoma	09:00-13:00, Room New York
Experimental Allergology	09:00-13:00, Room Tokyo
Autoimmun blistering skin diseases	09:00-13:00, Room Dubai
Psoriasis	09:30-13:00, Room Cape Town
Dermatological Genetics	09:00-13:00, Room Mumbai
Pruritus Research	10:00-13:00, Room Sydney

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

We thank for the support of the ADF working groups:

Experimental Dermatooncology:	4 sc ag (Research Award Melanoma: CHF 500)
Cutaneous Lymphoma	4 sc ag (Research Award Lymphoma: CHF 500)
Pruritus Research:	Allmirall
Psoriasis:	Allmirall
Experimental Dermatooncology:	F. Hoffmann-La Roche Ltd.
Atopic Dermatitis + Skin Barrier:	LEO Pharma Sarath Ltd (
Dermatological Genetics:	Novartis Pharma Schweiz AG
Experimental Allergology:	Novartis Pharma Schweiz AG
Psoriasis:	Novartis Pharma Schweiz AG
Atopic Dermatitis + Skin Barrier:	Sanofi Genzyme
Cutaneous Lymphoma:	Takeda Pharma AG,
	incl. Lymphoma Research Award 2018: CHF 1000
Epidemiology :	Zur Rose Suisse AG

About the 45. Annual Meeting of the Arbeitsgemeinschaft Dermatologische Forschung

Dear Colleagues and Friends,

We would like to warmly welcome you to the 45th Annual Meeting of the Arbeitsgemeinschaft Dermatologische Forschung. This year, we have received 219 abstracts out of which we have chosen 36 for oral presentations based on the recommendations of the reviewers. In addition, speakers of three *Quo Vadis Lectures* will present up-to-date topics highlighting novel avenues for future research.

As in previous years, we have a number of awards to give to outstanding scientists. The prize winners of the two main ADF-Awards, the *Egon Macher Award* and the *Paul Langerhans Award* will present their work. Additionally the ADF/ECARF Award, three Awards for Dermato-Oncology and six Translational Research Awards as well as one award specifically dedicated to Atopic Dermatitis research will be given this year. We are grateful to all foundations and supporters to enable the ADF to give these awards.

The posters should be presented during the entire meeting to allow for vivid discussions during the ADF. All oral presentations will also be exhibited as posters to facilitate informal interactions. During the *poster sessions*, *poster walks* will be organized focussing the discussion on specific themes. The twelve best posters nominated by the poster committee will receive a poster award at the end of the meeting.

We are looking forward to this year's workshop, which is devoted to „*Precision Medicine in Dermato-Oncology*“. Additional highlights of this year's annual meeting are the *Guenter Goerz Memorial Lecture* and the *Guest Lecture*, which will be given by Detlef Zillikens (Luebeck) and Georg Stingl (Wien), respectively.

The ADF steering committee would like to thank the local organizers for their outstanding preparation of the meeting. We are looking forward to hearing your latest work at what we hope will be an enjoyable, informative and memorable ADF Meeting in Zurich.

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

Ralf Ludwig
President

Karin Loser
Secretary

Kilian Eyerich
Treasurer

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

Experts for abstract review

M. Bertolini, Muenster	P. A. Gerber, Duesseldorf	C. Posch, Vienna
K. Bieber, Luebeck	T. Goerge, Muenster	C. Sadik, Luebeck
A. Braun, Goettingen	C. Hillgruber, Muenster	M. I. Schmidgen, Mainz
C. Brueggen, Zurich	A. Kerstan, Wuerzburg	Y. Skabytska, Munich
T. Buhl, Goettingen	S. Meller, Duesseldorf	C. Tripp, Innsbruck
X. Ding, Cologne	C. Möbs, Marburg	S. Willenborg, Cologne
N. Garzorz-Stark, Munich	J. Nicolay, Mannheim	R. Wolf, Marburg
C. Geraud, Mannheim	H. Niessner, Tuebingen	

Poster walks and Poster committee

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

Adaptive Immunity (G. Stary)	Immunology (M. Hertl)
Allergy (M. Glatz)	Infectious Diseases (M. Fabri)
Cellular Biology (M. Gatzka)	Innate Immunity (K. Schaekel)
Clinical Research (K. Eyerich)	Mast cells and Basophils (M. Metz)
Cytokines in Psoriasis (T. Kündig)	Psoriasis (K. Witte)
Dermato-Endocrinology (E. Makrantonaki)	Biologics in Psoriasis (R. Moessner)
Epidemiology and Genetics (S. Weidinger)	Tumor Biology (E. Guenova)
	Tumor Immunology (J. Landsberg)

We thank *Almirall, Bristol-Myers Squibb SA, Biotest AG, Glaxo Smith Kline AG, Janssen-Cilag AG, La Roche-Posay, Laboratoire Dermatologique, Novartis Pharma Schweiz AG, UCB-Pharma AG and Takeda Pharma AG* for their kind support

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

All Poster walkers are also members of the Poster committee, which is coordinated by Jennifer Landsberg and Martin Metz.

Thursday, March 8, 2018

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

13:00-14:00 **Lunch**

14:00-14:10 **Welcome Address**
L. French, R. Ludwig

14:10-15:10 **Oral Presentations I**
Chairs: L. French, C. Traidl-Hoffmann

O01/01 **14:10** **Rationale for anti-IL-17A treatment in bullous pemphigoid**
(P075) L. Chakievska, M. Holtsche, C. Hammers, S. Goletz, D. Zillikens, F. Schultze, C. Hoelscher, E. Schmidt; Luebeck, Borstel

O01/02 **14:20** **Topical treatment with a novel kappa-opioid receptor agonist ameliorates atopic dermatitis**
(P110) M. Schneeweiss, A. Luediger, N. Chartolani, M. Soeberdt, U. Knie, T. Luger, C. Abels, K. Loser; Muenster, Bielefeld

O01/03 **14:30** **How autoimmunity fights with allergy: Impaired development of allergic contact dermatitis in type I diabetic mice.**
(P001) T. Schmidt, N. Lorenz, V. Raker, K. Steinbrink; Mainz

O01/04 **14:40** **A novel urticarial and Factor XII mutation-related autoinflammatory syndrome**
(P077) N. Mahnke, J. Scheffel, J. Wu, S. de Maat, C. Maas, Z. Hofman, S. Ennis, J. Holloway, R. Pengelly, M. Maurer, K. Krause; Berlin, Utrecht, Southampton

O01/05 **14:50** **IL-17C: checkpoint in innate skin immunology**
(P128) F. Lauffer, V. Baghin, C. Albanesi, S. Madonna, S. Steidl, N. Vandeghinste, T. Biedermann, S. Eyerich, K. Eyerich; Munich, Rome, Planegg, Mechelen

O01/06 **15:00** **Role of 2A-DUB/Mysm1 in DNA damage responses in the skin and hematopoietic system**
(P212) C. Kroeger, C. Wilms, A. Hainzl, I. Krikki, B. Pfander, M. Gatzka; Ulm, Martinsried

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

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

Thursday, March 8, 2018

15:20-15:40 Quo Vadis Lecture I
T. Tüting, Magdeburg: ***Checks and Balances***
Introduction: C. Gebhardt

15:40-16:10 *Coffee and apple break (sponsored by Biotest AG)*

16:10-18:10 WORKSHOP
Precision Medicine in Dermato-Oncology

Organisation/
Moderation:

E. Guenova, R. Dummer

P. Cheng, Zurich

Application of bioinformatics for beginners

R. Dummer, Zurich

Precision medicine in melanoma - state of the art

E. Lattmann, Zurich

Identifying targets for invasiveness using *C. elegans*

L. Sommer, Zurich

Repurposing an embryonic neural crest stem cell program in melanoma

M. Levesque

Translating biobanks into tools for predictive biomarker identification

B. Becher

Understanding immune responses during cancer Immunotherapy

We thank MSD Merck Sharp & Dohme AG for their support!

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

Friday, March 9, 2018

08:30-09:30

Oral Presentations II

Chairs: A. Tüttenberg, M. Glatz

**002/01 08:30
(P154)**

Human liver- and skin-derived NK cells exhibit antigen-specific memory responses

V. Stary, J. Strobl, N. Bayer, P. Starlinger, G. Stary; Vienna

**002/02 08:40
(P005)**

Stressed erythrocytes bind intravascular von Willebrand factor and promote microangiopathy

J. Nicolay, V. Thorn, C. Daniel, K. Amann, B. Siraskar, F. Lang, C. Hillgruber, T. Goerge, C. Gorzelanny, V. Huck, T. Obser, R. Schneppenheim, I. Fleming, M. Schneider, S. Schneider; Mannheim, Heidelberg, Erlangen, Tuebingen, Muenster, Hamburg, Frankfurt am Main, Dortmund

**002/03 08:50
(P140)**

A novel mouse model for pemphigus vulgaris

C. Hudemann, R. Pollmann, J. Lee, M. Hertl, R. Eming; Marburg

**002/04 09:00
(P014)**

Role of fibroblast DPP4 on cutaneous repair and regeneration

R. Ferrer, M. Ordieres, S. Franz, Y. Zheng, G. Cotsarelis, J. Simon; Leipzig, Philadelphia, Dresden-Leipzig

**002/05 09:10
(P173)**

A humanized mouse model to study cutaneous leishmaniasis

K. Dietze-Schwonberg, S. Lopez Kostka, J. Burg, B. Trinschek, H. Jonuleit, E. von Stebut; Mainz, Cologne

**002/06 09:20
(P158)**

Induction of T cell hyporesponsiveness by CD73-expressing dendritic cells is crucial for tolerization in contact hypersensitivity reactions.

C. Silva-Vilches, A. Enk, K. Mahnke; Heidelberg

09:30-10:05

POSTER SESSION (all even poster numbers)

10:05-10:40

POSTER SESSION (all odd poster numbers)

10:45-11:25

GUENTER GOERZ MEMORIAL LECTURE

D. Zillikens, Luebeck

Loss of Skin Induced by Autoantibodies

Introduction: R. Ludwig, Luebeck

Friday, March 9, 2018

11:25-12:25 Oral Presentations III

Chairs: B. Meier, E. Schmidt

- O03/01 11:25 (P041) IL-17E promotes keratinocyte proliferation while interfering with proper keratinocyte differentiation**
L. Senra, C. Buerger, V. Lang, R. Stalder, S. Diehl, R. Kaufmann, W. Boehncke, N. Brembilla; Geneva, Frankfurt am Main
- O03/02 11:35 (P187) Type I IFN responsiveness of melanoma is cell state dependent and can be both harnessed and suppressed to enhance oncolytic virotherapy efficacy**
J. Ruotsalainen, D. Lopez-Ramos, S. Bonifatius, T. van der Sluis, N. Shridhar, A. Hinkkanen, S. Riesenberger, J. Reinhardt, E. Gaffal, M. Hoelzel, T. Tueting; Magdeburg, Kuopio, Bonn
- O03/03 11:45 (P197) Crosstalk between cytokine-induced apoptosis and cytokine-induced senescence in human cancer cells**
F. Burkhart, M. Rentschler, S. Weidemann, H. Braumueller, B. Bauer, M. Roecken, T. Wieder; Tuebingen
- O03/04 11:55 (P132) Lack of regulatory T cells leads to development of pathogenic anti-BP230 autoantibodies and blister formation**
S. Haeberle, X. Wei, K. Bieber, S. Goletz, R. Ludwig, E. Schmidt, A. Enk, E. Hadaschik; Heidelberg, Nanjing, Luebeck
- O03/05 12:05 (P051) BRAF and MEK inhibitors change human immune cell phenotype and function**
possible consequences for combination therapy; S. Hoyer, V. Eberlein, L. Babalija, K. Gerer, L. Walter, G. Schuler, N. Schaft, L. Heinzerling, J. Doerrie
- O03/06 12:15 (P013) A20 is enhancing both TNF-induced apoptotic and necroptotic cell death by regulation of complex I and complex IIb formation in keratinocytes**
M. Feoktistova, R. Makarov, A. Schneider, T. Luedde, D. Panayotova-Dimitrova; Aachen

12:25-13:25 Poster Walks

We thank **Biotest AG, Bristol-Myers Squibb SA, Glaxo Smith Kline AG, Janssen-Cilag AG, La Roche-Posay, Laboratoire Dermatologique, La Roche**

Adaptive Immunity (G. Stary)

Allergy (M. Glatz)

Cellular Biology (M. Gatzka)

Clinical Research (K. Eyerich)

Cytokines in Psoriasis (T. Kündig)

Dermato-Endocrinology (E. Makrantonaki)

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Biologics in Psoriasis (R. Moessner)

Tumor Biology (E. Guenova)

Tumor Immunology (J. Landsberg)

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Friday, March 9, 2018

13:25-14:25 Lunchbreak

13:45-14:15 The inner workings of the DFG
(Dr. Jan Christian and members from the DFG-review board)
World Trade Hall

14:25-15:25 Oral Presentations IV
Chairs: S. Eming, C. Günther

- 004/01 14:25 (P149) The relevance of the C5a/C5aR1 axis for induction of auto-antibody response in Epidermolysis bullosa acquisita**
J. Tillmann, B. Kovács, C. Karsten, R. Ludwig, J. Koehl; Luebeck, Ohio
- 004/02 14:35 (P052) Application of circulating cell-free tumor DNA (ctDNA) profiles for monitoring metastatic melanoma progression under therapy**
R. Varaljai, N. Neuhoff, A. Sucker, J. Newton-Bishop, D. Schadendorf, A. Roesch; Essen, Leeds
- 004/03 14:45 (P062) Therapeutic inhibition of IL-17 leads to clinical remission of lichen planus**
F. Solimani, T. Schmidt, R. Eming, R. Pollmann, C. Moebs, M. Hertl; Marburg
- 004/04 14:55 (P196) Melanoma in the humanized mouse: What influence has the macrophage phenotype on tumor growth?**
J. Schupp, N. Zimmer, S. Kurch, M. Voigt, N. Leber, J. Schloeder, T. Glaser, D. Schuppan, H. Jonuleit, R. Zentel, M. Helm, W. Tremel, A. Tuettenberg; Mainz, Boston, Bielefeld
- 004/05 15:05 (P081) Functional specialization of inflammatory dermal monocytes in psoriasis**
L. Freund, A. Temme, M. Bachmann, K. Schaekel; Heidelberg, Dresden
- 004/06 15:15 (P116) Type-17 immunity controls Malassezia-mediated skin infection**
F. Sparber, C. De Gregorio, S. Mertens, M. Glatz, F. Sallusto, S. Leibundgut-Landmann; Zurich, Bellinzona

15:25-15:45 Quo Vadis Lecture II
A. Ablasser, Lausanne
Sense and Sensitivity
Introduction: E. Gaffal, Magdeburg

Friday, March 9, 2018

15:45-16:00

ADF Awards II

(Short presentations of awardee)

Egon Macher Award*

S. Goerdts, K. Loser

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

16:00-16:30

Coffee and apple break (*sponsored by Biotest AG*)
+ Best of ADF Winter School 2018

16:30-17:30

GUEST LECTURE

Georg Stingl, Vienna

***Investigative and clinical dermatology:
On the threshold of a golden era?***

Introduction/discussion: K. Eyerich, Munich

17:30-18:00

ADF Awards III

ADF Dermato Oncology Award*

T. Tueting

ADF/ECARF Award for European Allergy Research**

T. Zuberbier

ADF Translational Research Awards***

M. Metz

ADF Atopic Dermatitis Research Award****

J. Landsberg

Thanks from the ADF to the

**Erwin & Irmgard Egner-Stiftung*

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

****Novartis Pharma GmbH*

*****Sanofi-Aventis Deutschland GmbH*

18:00-19:00

ADF General Assembly

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

19:30-?

Skin Research Forum

VOLKSHAUS ZURICH, Stauffacherstraße 60, 8004 Zurich

Saturday, March 10, 2018

09:00-10:00

Oral presentations V

Chairs: T. Buhl, C. Posch

**005/01 09:00
(P114)**

Glucocorticoids promote intrinsic human Th17 differentiation

J. de Castro Kroner, J. Steiger, M. Fabri; Cologne

**005/02 09:10
(P035)**

Amino acid substitution in the C-terminal domain of Collagen XVII reduces laminin-332 interaction causing skin fragility with atrophic scarring

J. Kroeger, E. Hoppe, C. Galiger, C. Has, C. Franzke; Freiburg

**005/03 09:20
(P185)**

Effect of selective Gq/11-inhibition on malignant melanoma

N. Shridhar, G. von Ehrlich-Treuenstaett, S. Bonifatius, T. Tueting, E. Gaffal; Magdeburg

**005/04 09:30
(P015)**

A Novel S100A8/A9 Induced Fingerprint of Mesenchymal Stem Cells is associated with Enhanced Wound Healing

A. Basu, S. Munir, M. Mulaw, K. Singh, B. Herold, D. Crisan, A. Sindrilaru, N. Treiber, M. Wlaschek, M. Huber-Lang, F. Gebhard, K. Scharffetter-Kochanek; Ulm

**005/05 09:40
(P009)**

TGF-1 signaling affects transcription factor NF-B expression in an in vitro skin fibrosis model

F. Trautshold-Krause, U. Unkelbach, M. Schoen, C. Seitz, V. Lorenz; Goettingen

**005/06 09:50
(P180)**

The molecular signature of Chronic Prurigo

T. Ohanyan, T. Litman, T. Hawro, N. Schoepke, W. Koopmann, M. Maurer, M. Metz; Berlin, Ballerup

10:00-10:20

Quo Vadis Lecture III

M. Fabri, Cologne

Legal Doping – How steroids boost host performance against pathogens

Introduction: R. Eming

10:20-11:05

POSTER SESSION (all even poster numbers)

11:05-11:50

POSTER SESSION (all odd poster numbers)

Saturday, March 10, 2018

11:50-12:50

Oral Presentations VI

Chairs: T. Biedermann, T. Kuendig

**006/01 11:50
(P203)**

Targeting cell cycle phase-specific drug sensitivity for melanoma therapy

S. Daignault, D. Hill, L. Spoerri, S. Stehbens, W. Weninger, B. Gabrielli, R. Dolcetti, N. Haass; Brisbane, Newcastle upon Tyne, Sydney

**006/02 12:00
(P144)**

Obesity aggravates psoriatic cutaneous inflammation due to a selective enhancement of Th17/Th1 immune response

Y. Skabytska, T. Biedermann; Munich

**006/03 12:10
(P183)**

Blocking the neurokinin 1 receptor in chronic prurigo reveals peripheral mechanisms

K. Agelopoulos, F. Ruelander, J. Dangelmaier, T. Lotts, K. Loser, S. Staender; Muenster

**006/04 12:20
(P008)**

Ceramide synthase 4 controls epidermal barrier homeostasis

F. Peters, F. Tellkamp, S. Brodesser, M. Kroenke, C. Niessen; Cologne,

**006/05 12:30
(P032)**

Secretion of TGF1 depends on secretory autophagy

J. Nuechel, S. Ghatak, A. Zuk, M. Moergelin, G. Sengle, T. Krieg, M. Plomann, B. Eckes; Cologne, Lund

**006/06 12:40
(P186)**

A Drosophila melanogaster model for melanoma drug screening

A. Volkhardt, J. Bohnkamp, I. Pfeifle, C. Engel, T. Magin, M. Kunz; Leipzig

12:50-13:20

POSTER AWARDS*

Chairs: J. Landsberg, M. Metz

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

13:20

Acknowledgements, Farewell, End of Meeting

E. Gaffal

POSTER SESSIONS

All posters:	Thursday,	March 08,	18:10-21:00 Uhr
Even poster numbers:	Friday,	March 09,	09:30-10:05 Uhr
	Saturday,	March 10,	10:20-11:05 Uhr
Odd poster numbers:	Friday,	March 09,	10:05-10:40 Uhr
	Saturday,	March 10,	11:05-11:50 Uhr

Allergy

- P001** **How autoimmunity fights with allergy: Impaired development of allergic contact dermatitis in type I diabetic mice.**
T. Schmidt, N. Lorenz, V. Raker, K. Steinbrink; Mainz
- P002** **Fibroblast MMP-14 is necessary for skin homeostasis and contributes to delayed-type hypersensitivity in mice.**
P. Zigrino, J. Brinckmann, A. Niehoff, K. Kadler, C. Mauch; Cologne, Luebeck, Manchester
- P003** **Autologous serum therapy in autoreactive chronic spontaneous urticaria. A clinical evaluation and investigation of potential pathomechanisms**
L. Yu, T. Buttgereit, J. Scheffel, O. Schmetzer, E. Kocatuerk Goencue, V. Zawar, M. Magerl, M. Maurer; Berlin, Istanbul, Nashik
- P004** **HSV-specific type 2 immune responses in patients with atopic dermatitis and history of eczema herpeticum**
S. Traidl, P. Kienlin, G. Begemann, L. Jing, D. Koelle, T. Werfel, L. Roesner; Hannover, Seattle

Angiology

- P005** **Stressed erythrocytes bind intravascular von Willebrand factor and promote microangiopathy**
J. Nicolay, V. Thorn, C. Daniel, K. Amann, B. Siraskar, F. Lang, C. Hillgruber, T. Goerge, C. Gorzelanny, V. Huck, T. Obser, R. Schneppenheim, I. Fleming, M. Schneider, S. Schneider; Mannheim, Heidelberg, Erlangen, Tuebingen, Muenster, Hamburg, Frankfurt am Main, Dortmund

Cellular Biology

- P006** **Skin pH and barrier recovery after application of buffers of different pH and composition**
E. Proksch, M. Soeberdt, C. Neumann, H. Reich, C. Abels; Kiel, Bielefeld
- P007** **Alpha-ketoglutarate Suppress Lineage Differentiation and Induces Cell Death in Mesenchymal Stromal Precursors with Dysfunctional Mitochondria**
K. Singh, L. Krug, A. Basu, P. Meyer, N. Treiber, S. Vander Beken, M. Wlaschek, S. Kochanek, H. Geiger, W. Bloch, P. Maity, K. Scharffetter-Kochanek; Ulm, Cologne

SCIENTIFIC PROGRAMME

- P008** **Ceramide synthase 4 controls epidermal barrier homeostasis**
F. Peters, F. Tellkamp, S. Brodesser, M. Kroenke, C. Niessen; Cologne, Germany
- P009** **TGF-1 signaling affects transcription factor NF-B expression in an in vitro skin fibrosis model**
F. Trautshold-Krause, U. Unkelbach, M. Schoen, C. Seitz, V. Lorenz; Goettingen
- P010** **In vitro assessment of the compatibility of application of PU foam and drainage foil during NPWT using different pumps**
K. Reddersen, M. Abel, S. de Lange, P. Ruth, U. Hipler, C. Wiegand; Jena, Rengsdorf
- P011** **Application of non-adhering dressings during NPWT in vitro**
K. Reddersen, M. Abel, S. de Lange, P. Ruth, U. Hipler, C. Wiegand; Jena, Rengsdorf
- P012** **Herbal bitter drug Gentiana lutea improves the human skin barrier**
U. Woelfle, B. Haarhaus, C. Schempp; Freiburg
- P013** **A20 is enhancing both TNF-induced apoptotic and necroptotic cell death by regulation of complex I and complex IIb formation in keratinocytes**
M. Feoktistova, R. Makarov, A. Schneider, T. Luedde, D. Panayotova-Dimitrova; Aachen
- P014** **Role of fibroblast DPP4 on cutaneous repair and regeneration**
R. Ferrer, M. Ordieres, S. Franz, Y. Zheng, G. Cotsarelis, J. Simon;
Leipzig, Philadelphia, Dresden-Leipzig
- P015** **A Novel S100A8/A9 Induced Fingerprint of Mesenchymal Stem Cells is associated with Enhanced Wound Healing**
A. Basu, S. Munir, M. Mulaw, K. Singh, B. Herold, D. Crisan, A. Sindrilaru, N. Treiber, M. Wlaschek, M. Huber-Lang, F. Gebhard, K. Scharffetter-Kochanek; Ulm
- P016** **Inhibition of S-nitrosylation by trifluoperazine and impairment of the biological function of nitric oxide by calcium**
M. Ghashghaeinia, M. Wesseling, E. Ramos, P. Petkova-Kirova, P. Dreischer, U. Mrowietz, M. Koeberle, L. Kaestner, I. Bernhardt, A. Martinez-Ruiz, T. Wieder, F. Lang;
Kiel, Tuebingen, Saarbruecken, Madrid, Homburg/Saar, Munich
- P017** **Intracellular redox changes alter tyrosinase protein stability and enable UV- and MITF-independent skin color change**
E. Roider, J. Allouche, S. Kato, K. Wakamatsu, J. Zhang, V. Igras, Y. Suita, S. Ito, D. Fisher; Boston, Toyoake Aichi
- P018** **SPINK9 is a Natural Escherichia coli-Killing peptide in Human Skin**
Z. Wu, J. Fischer, J. Yan, J. Schroeder, U. Meyer-Hoffert; Kiel, Hangzhou
- P019** **Modeling of DNA damage induced Senescence Associated Secretory Phenotype**
P. Meyer, P. Maity, A. Burkovski, J. Schwab, C. Muessel, K. Singh, L. Krug, F. Ferreira, M. Wlaschek, T. Wirth, H. Kestler, K. Scharffetter-Kochanek; Ulm
- P020** **Generation of a Snap29 knockout in murine keratinocytes using CRISPR/Cas9**
M. Martens, J. Lehmann, C. Seebode, S. Emmert; Rostock, Goettingen, Muenster
- P021** **2A-DUB/Mysm1 regulates epidermal development in part by suppressing p53-mediated programs**
I. Krikki, C. Wilms, M. Alupej, E. Makrantonaki, S. Kilo, C. Kroeger, A. Heinzl, M. Gatzka;
Ulm, Erlangen

- P022** **Combinatory treatment with IFN $\hat{\text{I}}^3$ and triamcinolone - a new keloid treatment regimen?**
T. Euler, E. Valesky, R. Kaufmann, S. Kippenberger, N. Zoeller; Frankfurt am Main
- P023** **Water-filtered near-infrared influences normal and keloidal fibroblasts differentially**
A. Koenig, A. Jeute, G. Reichenbach, E. Valesky, R. Kaufmann, S. Kippenberger, N. Zoeller; Frankfurt am Main
- P024** **Water-filtered near-infrared accelerates wound healing in vitro**
N. Zoeller, A. Koenig, E. Valesky, R. Kaufmann, S. Kippenberger; Frankfurt am Main
- P025** **Loss of Proteostasis as a Pathomechanism in Premature Aging Disease Trichothiodystrophy**
F. Khalid, A. Iyer, M. Alupej, A. Schelling, K. Scharffetter-Kochanek, S. Iben; Ulm
- P026** **Immunomodulatory Effects of Mesenchymal Stem Cells on Macrophage Activation**
F. Ferreira, P. Meyer, M. Wlaschek, K. Scharffetter-Kochanek; Ulm
- P027** **Aberrant mTORC1 activity induces Stat3 and contributes to the psoriatic differentiation defect**
V. Lang, S. Diehl, R. Kaufmann, C. Buerger; Frankfurt am Main
- P028** **Suppression of autophagy compromises sweat secretion in aged mice**
S. Sukserree, S. Bergmann, K. Pajdzik, W. Sipos, F. Gruber, E. Tschachler, L. Eckhart; Vienna
- P029** **TNFAIP3 inhibits the induction of the antimicrobial peptide hBD-2 by Staphylococcus aureus in keratinocytes: Implications for atopic dermatitis**
M. Simanski, F. Rademacher, E. Rodriguez, S. Weidinger, J. Harder; Kiel
- P030** **A DNA repair-independent pathomechanism in Cockayne syndrome and XP/CS**
M. Alupej, I. Krikki, P. Esser, A. Schelling, V. Laugel, K. Scharffetter-Kochanek, S. Iben; Ulm, Freiburg, Strasbourg
- P031** **Crucial role of the S. epidermidis-derived extracellular serine protease Esp for IL-1 β maturation in keratinocytes**
F. Rademacher, B. Hesse, N. Vent, M. Simanski, J. Bartels, R. Glaeser, J. Harder; Kiel
- P032** **Secretion of TGF1 depends on secretory autophagy**
J. Nuechel, S. Ghatak, A. Zuk, M. Moergelin, G. Sengle, T. Krieg, M. Plomann, B. Eckes; Cologne, Lund
- P033** **Biophysical characterization of neutrophil extracellular trap (NET) formation**
E. Neubert, D. Meyer, F. Rocca, A. Kwaczala-Tessmann, S. Senger-Sander, J. Grandke, C. Geisler, A. Egner, M. Schoen, S. Kruss, L. Erpenbeck; Goettingen, Osnabrueck
- P034** **Catch me if you can! -Novel immune escape mechanisms in melanoma metastases of the brain -**
D. Herrera-Rios, V. Schmitt, J. Herz, D. Hinze, D. Piercianek, M. Kato, J. Felsberg, B. Singer, U. Sure, G. Reifenberger, D. Schadendorf, M. Hoelzel, I. Helfrich; Essen, Duesseldorf-Essen, Bonn, Aichi, Duesseldorf
- P035** **Amino acid substitution in the C-terminal domain of Collagen XVII reduces laminin-332 interaction causing skin fragility with atrophic scarring**
J. Kroeger, E. Hoppe, C. Galiger, C. Has, C. Franzke; Freiburg

- P036** **Extending the genomic knowledge of CTCL disease progression**
C. Hain, A. Mentz, R. Stranzenbach, C. Cieslak, J. Kalinowski, R. Stadler;
Bielefeld, Bochum

Chemokines/Cytokines

- P037** **TSLP production induced by skin irritation results from a functional synergism between PAR-2 and IL-1 pathways**
D. Davender, M. Babina, M. Worm; Berlin
- P038** **Analysis of anti-TNF-induced skin lesions reveals strong Th1 activation with some distinct immunological characteristics**
E. Stoffel, H. Maier, E. Riedl, M. Brueggen, B. Reininger, M. Schaschinger, C. Bangert, E. Guenova, G. Stingl, P. Brunner; Vienna, Zurich, New York
- P039** **Predictive models for the natural course of atopic dermatitis in childhood based on serum parameters and clinical attributes**
V. Baghin, F. Lauffer, N. Garzorz-Stark, L. Krause, M. Jargosch, S. Eyerich, K. Eyerich; Munich, Neuherberg
- P040** **Role of CC-chemokine Receptor 6 (CCR6) and CC-chemokine Ligand 20 (CCL20) mediated immunosurveillance in malignant melanoma**
D. Martin-Garcia, A. Enk, A. Lonsdorf; Heidelberg
- P041** **IL-17E promotes keratinocyte proliferation while interfering with proper keratinocyte differentiation**
L. Senra, C. Buerger, V. Lang, R. Stalder, S. Diehl, R. Kaufmann, W. Boehncke, N. Brembilla; Geneva, Frankfurt am Main
- P042** **IL-17RA signaling in keratinocytes is crucial for development of Imiquimod-induced psoriasis-like dermatitis and for defense against Staphylococcus aureus**
S. Moos, A. Heinen, T. Regen, S. Voglis, K. El Malki, F. Wanke, I. Prinz, C. Reinhardt, A. Diefenbach, A. Waisman, F. Kurschus; Mainz, Hannover, Berlin
- P043** **Glycosaminoglycan-based hydrogels capture inflammatory chemokines and rescue defective wound healing in mice**
N. Lohmann, L. Schirmer, P. Atallah, E. Wandel, R. Ferrer, C. Werner, J. Simon, S. Franz, U. Freudenberg; Leipzig, Leipzig and Dresden, Dresden
- P044** **Intradermal ear injection of IL-17A and IL-36Î³ into mouse ears enables a model to investigate the cytokine network in Psoriasis**
D. Kluwig, S. Huth, C. Pfaff, L. Huth, Y. Marquardt, K. Fietkau, V. von Felbert, J. Baron, B. Luescher; Aachen
- P045** **IL-17E participates in the recruitment of neutrophils in murine psoriasiform skin inflammation**
L. Senra, A. Mylonnas, R. Stalder, C. Conrad, W. Boehncke, N. Brembilla; Geneva, Lausanne

Clinical Research

- P046** **Safety, tolerability, pharmacokinetics and efficacy of kappa-opioid receptor agonist WOL071-007-containing topical formulations in atopic dermatitis patients**
M. Soeberdt, C. Masur, U. Knie, D. Metze, C. Abels; Bielefeld, Muenster
- P047** **An algorithm for the management of scabies mass outbreaks**
S. Mueller, S. Gysin, M. Schweitzer, S. Schwegler, P. Haeusermann, P. Itin, T. Bart, R. Spieler Denz, T. Steffen, O. Brandt; Basel
- P048** **Clinical characteristics and treatment outcomes of patients with pyoderma gangrenosum - a single center experience with 36 patients**
C. Posch, L. Kostner, I. Vujic, L. Richter, K. Rappersberger; Vienna
- P049** **Differences in the response of dermatological symptoms and muscular strength after intravenous immunoglobulin therapy in dermatomyositis patients**
A. Wiala, I. Vujic, L. Richter, K. Rappersberger, C. Posch; Vienna
- P050** **Safety, tolerability, pharmacokinetics and efficacy of Glycopyrronium bromide-containing topical formulations in patients with primary axillary hyperhidrosis**
C. Abels, A. Kilic, M. Soeberdt, H. Reich, U. Knie, C. Masur; Bielefeld
- P051** **BRAF and MEK inhibitors change human immune cell phenotype and function possible consequences for combination therapy; S. Hoyer, V. Eberlein, L. Babalija, K. Gerer, L. Walter, G. Schuler, N. Schaft, L. Heinzerling, J. Doerrie**
- P052** **Application of circulating cell-free tumor DNA (ctDNA) profiles for monitoring metastatic melanoma progression under therapy**
R. Varaljai, N. Neuhoff, A. Sucker, J. Newton-Bishop, D. Schadendorf, A. Roesch; Essen, Leeds
- P053** **Mapping of disease severity in patients with systemic sclerosis**
K. Frey, F. Lauffer, N. Garzorz-Stark, S. Eyerich, K. Eyerich; Munich
- P054** **Effect of intense pulsed light (IPL) plus radiofrequency (RF) on hidradenitis suppurativa**
S. Wilden, M. Friis, A. Tuettenberg, S. Grabbe, E. von Stebut; Mainz, Cologne
- P055** **Hyperspektral-Imaging als Neues Verfahren in der Wunddiagnostik**
G. Daeschlein, S. Lutze, S. von Podewils, C. Sicher, M. Juenger; Greifswald
- P056** **2-Methoxyestradiol – A novel prognostic marker in malignant melanoma ?**
I. Hrgovic, J. Kleemann, M. Doll, C. Loquai, R. Kaufmann, M. Meissner; Frankfurt am Main, Mainz
- P057** **Real life treatment with omalizumab is safe and effective in patients with cholinergic urticaria**
S. Altrichter, M. Chuamanochan, H. Knoth, A. Asady, T. Ohanyan, M. Metz, M. Maurer; Berlin, Chiang Mai

- P058** **Ingenol mebutate for mycosis fungoides**
Y. Chang, D. Ignatova, W. Hoetzenecker, E. Guenova; Zurich, Linz
- P059** **Safety of Systemic Psoriasis Treatments evaluated in the Swiss Dermatology Network for Targeted Therapies (SDNTT)**
J. Maul, F. Anzengruber, M. Drach, V. Djamei, N. Yawalkar, C. Mainetti, E. Laffitte, M. Streit, M. Augustin, C. Sorbe, S. Rustenbach, C. Conrad, W. Boehncke, L. Borradori, M. Gilliet, A. Cozzio, P. Itin, P. Haeusermann, L. French, A. Navarini;
Zurich, Bern, Bellinzona, Geneva, Aarau, Hamburg, Lausanne, St. Gallen, Basel
- P060** **HLA-Cw6 status does not influence the therapy response in psoriasis patients treated with Secukinumab**
F. Anzengruber; Zurich
- P061** **Direct modulation of the Cutibacterium strain population as novel tool in skin microbiome research**
A. Karoglan, H. Gollnick, B. Paetzold; Magdeburg
- P062** **Therapeutic inhibition of IL-17 leads to clinical remission of lichen planus**
F. Solimani, T. Schmidt, R. Eming, R. Pollmann, C. Moebs, M. Hertl; Marburg
- P063** **Think big and scale down: development of a multi-organ-on-the-chip-model for analysis of immune cell - skin interactions**
C. Consentius, J. Huebner, U. Marx, H. Volk; Berlin

Dermato-Endocrinology

- P064** **The antimicrobial peptide koebnerisin (S100A15) regulates rosacea key molecules and is controlled by doxycycline**
E. Hattinger, A. Batycka-Baran, A. Marchenkov, S. Zwicker, A. Bieniek, J. Szepietowski, T. Ruzicka, R. Wolf; Munich, Wroclaw, Marburg
- P065** **The secretome of skin cancer cells influences the transcriptome of keratinocytes**
E. Zanuttigh, T. Froehlich, J. Philippou-Massier, S. Krebs, G. Arnold, H. Blum, M. Dahlhoff; Munich
- P066** **The alpha7 nicotinic acetylcholine receptor - a crucial modulator of cutaneous and extracutaneous fibrosis?**
A. Stegemann, A. Sindrilaru, B. Eckes, A. del Rey, S. Grando, B. Fiebich, K. Scharffetter-Kochanek, T. Luger, M. Boehm; Muenster, Ulm, Cologne, Marburg, Irvine, CA, Freiburg
- P067** **International Hidradenitis Suppurativa Severity Score System (IHS4): a novel dynamic scoring system to assess HS severity**
C. Zouboulis, A. Kyrgidis, T. Tzellos; Dessau, Harstad
- P068** **Digital assessment and cinematography of acne lesions**
C. Zouboulis, M. Becker, T. Wild; Dessau
- P069** **Medical infrared thermography (IRT): a new technique to visualize skin inflammation and to provide objective evidence of therapeutic effectiveness**
C. Zouboulis; Dessau

- P070** **Selective role of epithelial skin cell RIS-1/psoriasin expression in innate immunity and in inflammatory skin diseases**
C. Zouboulis, C. Beutler, H. Merk, J. Baron; Dessau, Berlin, Aachen
- P071** **Sebocyte apoptosis induced by free fatty acids is dependent on caspase activity**
A. Hossini, T. Exner, J. Eberle, A. Rabien, E. Makrantonaki, C. Zouboulis; Dessau, Berlin, Ulm
- P072** **IGF-I and oxidative stress regulate expression of fz d7 and downstreams in old epidermal stem cells**
E. Makrantonaki, A. Brown, K. Singh, S. Schatz, A. Basu, I. Krikki, M. Alupej, M. Wlaschek, K. Scharffetter-Kochanek; Ulm
- P073** **Impact of the melanocortin tripeptide derivative KdPT on wound healing, NFB signalling and barrier function proteins in human keratinocytes in vitro**
M. Apel, P. Gkogkolou, A. Stegemann, T. Luger, M. Boehm; Muenster

Dermatopathology

- P074** **Direct pathogenicity of anti-Desmoglein autoantibodies cloned from the IgA1 repertoire of a patient with IgA pemphigus**
S. Emtenani, J. Johns, A. Recke, J. Langenhan, L. Komorowski, J. Hundt, T. Hashimoto, E. Schmidt, D. Zillikens, R. Ludwig, C. Hammers; Luebeck, Luebeck, Kurume, Philadelphia
- P075** **Rationale for anti-IL-17A treatment in bullous pemphigoid**
L. Chakievskaja, M. Holtsche, C. Hammers, S. Goletz, D. Zillikens, F. Schultze, C. Hoelscher, E. Schmidt; Luebeck, Borstel
- P076** **STAT3 Hyper-IgE Syndrome: A way to understand the role of Staphylococcus aureus in atopic dermatitis**
D. De Donato, C. Bergougnan, R. Effner, M. Reiger, M. Nordengruen, A. Eberherr, B. Broecker, B. Hagl, S. Gilles, C. Traidl-Hoffmann, E. Renner; Augsburg, Greifswald, Davos Wolfgang
- P077** **A novel urticarial and Factor XII mutation-related autoinflammatory syndrome**
N. Mahnke, J. Scheffel, J. Wu, S. de Maat, C. Maas, Z. Hofman, S. Ennis, J. Holloway, R. Pengelly, M. Maurer, K. Krause; Berlin, Utrecht, Southampton
- P078** **Nummular eczema is a distinct clinical entity with overlapping features of both, psoriasis and atopic eczema**
A. Boehner, F. Lauffer, N. Garzorz-Stark, A. Zink, S. Roenneberg, T. Biedermann, K. Eyerich; Munich
- P079** **T cell receptor repertoire analysis in skin lesions of the mouse model EBA revealed that the skin immigrating TCR clonotypes change over time**
M. Niebuhr, A. Faehnrich, R. Ludwig, J. Westermann, K. Kalies; Luebeck
- P080** **Deciphering the difference between frontal fibrosing alopecia (FFA) and lichen planopilaris (LPP): Macrophages hold the key?**
M. Harries, J. Hardman, I. Chaudhry, E. Poblet, R. Paus; Salford, Manchester, Liverpool, Murcia

SCIENTIFIC PROGRAMME

- P081** **Functional specialization of inflammatory dermal monocytes in psoriasis**
L. Freund, A. Temme, M. Bachmann, K. Schaekel; Heidelberg, Dresden
- P082** **Increased expression of inhibitory checkpoint receptors in bullous pemphigoid**
N. Ernst, N. Gross, M. Friedrich, S. Nsiah, A. Schulz, D. Zillikens, E. Schmidt,
M. Kasperkiewicz, K. Hartmann; Luebeck
- P083** **Comparison of PDE4 expression in different chronic inflammatory dermatoses**
N. Mielke, A. Koenig, M. Meissner, R. Kaufmann, A. Pinter; Frankfurt am Main
- P084** **Upregulation of SERPINB3/B4 and S100A7-9 in hidradenitis suppurativa/acne inversa**
D. Almansouri, C. Zouboulis; Dessau
- P085** **Getting in touch with epidermal cell subtypes: a novel strategy to decipher the pathogenetic mechanisms in chronic inflammatory skin diseases.**
K. Witte, K. Juerchott, D. Christou, J. Hecht, G. Salinas, U. Krueger, O. Klein,
G. Kokolakis, E. Witte-Haendel, R. Moessner, H. Volk, K. Wolk, R. Sabat;
Berlin, Barcelona, Goettingen
- P086** **Integrated miRNA and mRNA expression profiling in peri-lesional and lesional skin biopsies from psoriasis and psoriatic arthritis patients**
D. Delic, R. Schmid, O. Gabrielyan, K. Sontheimer, M. Rolser, F. Wiech, M. Griesser,
C. Wohnhaas, G. Kokolakis, D. Christou, E. Witte-Haendel, R. Sabat, P. Baum;
Biberach, Berlin
- P087** **Female and male HS - two sides of a coin?**
R. Sabat, A. Tsaousi, G. Kokolakis, K. Wolk, E. Witte-Haendel, S. Schneider-Burrus; Berlin
- P088** **Time course of mast cell infiltration and associated immune cells in a murine model of bullous pemphigoid**
S. Nsiah-Dosu, F. Schulze, N. Ernst, R. Ludwig, D. Zillikens, E. Schmidt, K. Hartmann;
Luebeck

Epidemiology

- P089** **Quality of life aspects of patients with psoriasis vulgaris, lupus erythematosus and urtikaria**
T. Maisch, A. Riss, M. Schwiersch, T. Hoegenauer, S. Gantner, G. Huppertz, F. Zemmann,
M. Koller, M. Berneburg; Regensburg
- P090** **Prevalence of skin diseases on the fringe of the Munich Oktoberfest**
L. Tizek, M. Schielein, A. Boehner, F. Seifert, T. Biedermann, A. Zink; Munich, Hausham

Genetics

- P091** **Comparative genomics of mammalian keratins reveals loss of K1, K2, and K10 in the course of an evolutionary remodeling of the suprabasal epidermal cytoskeleton in fully aquatic mammals**
F. Ehrlich, H. Fischer, B. Strasser, E. Tschachler, L. Eckhart; Vienna

- P092** **LEKTI is substrate of Transglutaminase-1: implication for a therapeutic topical replacement strategy for Netherton Syndrome**
H. Wiegmann, F. Valentin, T. Tarinski, H. Traupe, E. Liebau, V. Oji; Muenster
- P093** **Targeted Resequencing of Psoriasiform Skin Disease Associated Locus 1 (PSD1) in the CD18 Hypomorphic Psoriasis Mouse Model.**
R. Pandey, K. Singh, M. Gatzka, L. Borkner, H. Wang, K. Scharffetter-Kochanek; Ulm, Braunschweig, Shanghai
- P094** **Insights into the shared aetiology of atopic dermatitis, asthma and hay fever**
E. Rodriguez; Kiel
- P095** **Absence of Somatic Mutations in Linear Localized Scleroderma.**
R. Higgins, R. Waelchli, M. Theiler, A. Smith, L. Weibel, A. Navarini; Zurich
- P096** **Uniparental inheritance of junctional epidermolysis bullosa through a novel mutation of the ITGA6 gene and trisomic rescue.**
R. Higgins, A. Jensen, J. Wachstein, C. Has, L. Bruckner-Tuderman, R. Spiegel, H. Traber, J. Achermann, M. Schaller, B. Fehrenbacher, M. Roecken, D. Ignatova, Y. Chang, T. Fischer, L. French, W. Hoetzenecker, R. Hornung, A. Malzacher, A. Cozzio, A. Navari; St. Gallen, Freiburg, Zurich, Tuebingen
- P097** **Prediction of gain-of-function and loss-of-function mutations using In Silico Bioinformatics Tools**
A. Ghosh, A. Navarini; Zurich
- P098** **Alterations of the composition of the extracellular matrix of integrin 3 deficient keratinocytes reflect basement membrane abnormalities in ILNEB**
C. Has, K. Thriene, M. Boerries, H. Busch, J. Dengjel, C. Has; Freiburg, Luebeck
- P099** **Identification of the HLA locus and mitochondrial variants as genetic risk factors for Bullous Pemphigoid**
C. Schwarm, I. Koenig, D. Gola, M. Holtsche, A. Dieterich, M. Hirose, A. Kuenstner, M. Freitag, A. Bhandari, H. Busch, P. Nuernberg, J. Erdmann, G. Jacobs, C. Sadik, D. Zillikens, E. Schmidt, S. Ibrahim; Luebeck, Cologne, Kiel
- P100** **In vivo screening of functional novel oncogenetic driver mutations in a Zebrafish melanoma model**
I. Banik, P. Cheng, A. Saltari, R. Dummer, M. Levesque; Zurich

Health services research

- P101** **Association of DLQI and WLQ in patients with Atopic Dermatitis - Results from the German AD Registry TREATgermany**
J. Schmitt, E. Haufe, S. Abraham, I. Harder, A. Heratizadeh, T. Bobylev, A. Zink, E. Weisshaar, R. von Kiedrowski, A. Wollenberg, M. Worm, K. Neubert, P. Staubach-Renz, T. Bieber, M. Bell, S. Weidinger, T. Werfel;
Dresden, Kiel, Hannover, Buxtehude, Munich, Heidelberg, Selters, Berlin, Burgstaedt, Mainz, Bonn, Andernach
- P102** **Prevalence and determinants of Psoriasis in a cross-sectional study of the elderly – results from the German AUGUR study**
K. Drewitz, K. Stark, M. Zimmermann, I. Heid, C. Apfelbacher; Regensburg

- P103** **Baseline characteristics of patients with Atopic Dermatitis observed in the German AD Registry TREATgermany**
 S. Weidinger, E. Haufe, D. Stoelzl, H. Baurecht, S. Abraham, I. Harder, A. Heratizadeh, T. Bobylev, A. Zink, E. Weisshaar, R. von Kiedrowski, A. Wollenberg, M. Worm, K. Neubert, P. Staubach-Renz, T. Bieber, M. Bell, T. Werfel, J. Schmitt; Kiel, Dresden, Hannover, Buxtehude, Munich, Heidelberg, Selters, Berlin, Burgstaedt, Mainz, Bonn, Andernach
- P104** **A novel machine-learning based approach to predict flares of psoriasis**
 E. Ramelyte, V. Djamei, T. Maul, F. Anzengruber, A. Navarini; Zurich
- P105** **Unmet digital health service needs in dermatology patients**
 C. Greis, C. Meier Zuercher, V. Djamei, A. Moser, S. Lautenschlager, A. Navarini; Zurich, Affoltern a.A.

Immunology

- P106** **12/15-lipoxygenase counteracts and resolves pemphigoid disease-like dermatitis**
 T. Sezin, N. Ferreira, C. Attah, K. Ochirbold, S. Mousavi, D. Zillikens, G. Geisslinger, C. Sadik; Luebeck, Frankfurt am Main
- P107** **Monocyte recruitment and monocyte/platelet cluster formation in systemic sclerosis**
 V. Raker, J. Haub, N. Lorenz, T. Schmidt, D. Schuppan, K. Jurk, W. Ruf, K. Steinbrink; Mainz
- P108** **Withdrawn**
- P109** **The role of circadian clocks in the development of epidermolysis bullosa acquisita**
 R. Pfuendl, C. Koch, A. Kasprick, D. Zillikens, R. Ludwig, H. Oster, J. Hundt; Luebeck
- P110** **Topical treatment with a novel kappa-opioid receptor agonist ameliorates atopic dermatitis**
 M. Schneeweiss, A. Luediger, N. Chartolani, M. Soeberdt, U. Knie, T. Luger, C. Abels, K. Loser; Muenster, Bielefeld
- P111** **Modification of the microbiome in psoriasis patients by systemic treatment with ustekinumab**
 C. Baumann, A. Tsianakas, C. Riepe, N. Magnolo, U. Dobrindt, T. Luger, K. Loser; Muenster
- P112** **A subset of long-lived memory T cells with proliferative potential resides in the skin of hematopoietic stem cell recipients**
 J. Strobl, N. Bayer, M. Mayerdorfer, G. Hopfinger, G. Sary; Vienna
- P113** **Cells of the myeloid lineage act as early drivers of dermal fibrosis**
 J. Haub, V. Raker, N. Lorenz, D. Schuppan, K. Steinbrink; Mainz
- P114** **Glucocorticoids promote intrinsic human Th17 differentiation**
 J. de Castro Kroner, J. Steiger, M. Fabri; Cologne

- P115** **STAT1/STAT3 imbalance determines the clinical phenotype of chronic mucocutaneous candidiasis**
 J. Hiller, B. Hagl, R. Effner, A. Puel, M. Schaller, B. Mascher, S. Eyerich, K. Eyerich, A. Jansson, J. Ring, J. Casanova, E. Renner, C. Traidl-Hoffmann;
 Augsburg, Munich, Paris, Tuebingen, Hamburg, New York, NY, Davos Wolfgang
- P116** **Type-17 immunity controls Malassezia-mediated skin infection**
 F. Sparber, C. De Gregorio, S. Mertens, M. Glatz, F. Sallusto, S. Leibundgut-Landmann;
 Zurich, Bellinzona
- P117** **Neutrophil extracellular traps in Schnitzlerâ€™s syndrome**
 H. Bonnekoh, J. Scheffel, J. Wu, V. Brinkmann, C. Goosmann, M. Maurer, K. Krause;
 Berlin
- P118** **Evaluation of potential novel biomarkers in immune mediated diseases**
 F. Krebs, T. Tsimpaki, J. Wegner, S. Tenzer, S. Grabbe, A. Tuettenberg; Mainz
- P119** **Sensitive and specific assay for the serological diagnosis of anti-laminin 332 mucous membrane pemphigoid**
 S. Goletz, C. Probst, L. Komorowski, W. Schlumberger, N. van Beek, A. Dieterich, A. Recke, K. Yancey, T. Hashimoto, F. Antonicelli, G. Di Zenzo, D. Zillikens, W. Stoecker, E. Schmidt; Luebeck, Dallas, Kurume, Reims, Rome
- P120** **N-terminal autoantigen trimming may explain epistasis between HLA-C*06:02 and ERAP1 variants in psoriasis risk**
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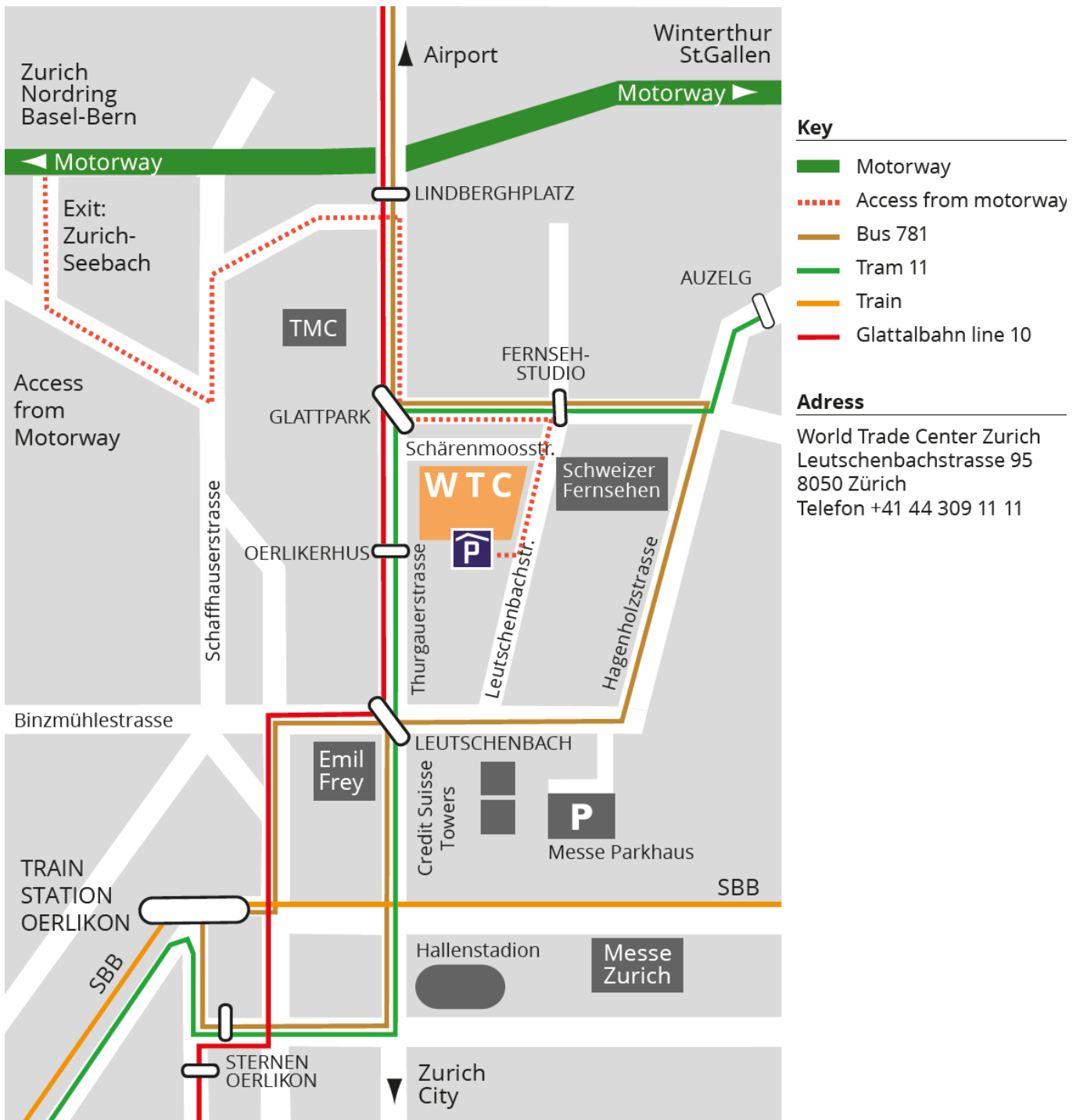
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