



**45<sup>th</sup> Annual Meeting  
of the  
Arbeitsgemeinschaft  
Dermatologische Forschung**

in collaboration with the  
Deutsche Dermatologische Gesellschaft (DDG)

March 7-10, 2018  
Zurich, Switzerland

by January 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 52 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](mailto: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](mailto:info@adf-online.de)

# MEETING ORGANISATION

## Hotel Reservations

A list of hotels with special rates for the ADF Annual Meeting can be found on the ADF homepage <http://www.adf-online.de>

**Registration Fee**      **Non-members: CHF 100.00 (Swiss Francs only!)**  
Members: € 60.00  
(Euro only! Charged as membership fee!)

Students are free of charge upon demonstration of appropriate documents.

## Opening Hours of the Conference Bureau

Thursday, March 8, 2018	09:00-19:00
Friday, March 9, 2018	08:00-18:30
Saturday, March 10, 2018	08:30-13:00

**Oral Presentations(OP)**      Duration: 7 min.  
Discussion: 3 min.

**Projection**      Talks will be presented by video projection only. Please bring your powerpoint presentation on a CD and/or memory stick. Only presentations suitable for PC can be used (no Mac). All presentations have to be turned in at least 30 minutes prior to each session.

**Posters (P)**      Important:  
***All Oral Presentations will also have to be presented as posters!***  
Size of poster boards: width 90 cm, height 150 cm.  
Mounting material will be provided.

**In 2018 NO DFG session will be provided!**

## MEETING ORGANISATION

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

**Wednesday, March 07, 2018:**

Dermato-Endocrinology	cancelled
Experimental Dermatocology	12:00-18:00
Psoriasis	14:30-19:00
Atopic Dermatitis + Skin Barrier	14:00-18:00
Epidemiology	14:00-18:00

**Thursday, March 08, 2018:**

Cutaneous Lymphoma	09:00-13:00
Experimental Allergology	09:00-13:00
Autoimmun blistering skin diseases	09:00-13:00
Psoriasis	09:30-13:00
Dermatological Genetics	09:00-13:00
Pruritus Research	10:00-13:00

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](http://www.adf-online.de)).

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**We thank for the support of the ADF working groups:**

Allmirall  
F. Hoffmann-La Roche Ltd.  
Novartis Pharma Schweiz AG  
sanofi-aventis suisse sa  
Takeda Pharma AG, incl. Lymphoma Research Award 2018: 1000 CHF

## About the 45. Annual Meeting of the Arbeitsgemeinschaft Dermatologische Forschung

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*Dear Colleagues and Friends,*

We would like to warmly welcome you to the 45<sup>th</sup> 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 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 eleven 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, Münster	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, Würzburg	Y. Skabytska, Munich
T. Buhl, Goettingen	S. Meller, Düsseldorf	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)	Innate Immunity (K. Schaekel)
Allergy (M. Glatz)	Interleukin 17 (T. Kündig)
Cellular Biology (M. Gatzka)	Mast cells and Basophils (M. Metz)
Clinical Research (K. Eyerich)	Psoriasis (K. Witte)
Dermato-Endocrinology (tba)	Biologics in Psoriasis (R. Moessner)
Epidemiology and Genetics (S. Weidinger)	Tumor Biology (E. Guenova)
Immunology (M. Hertl)	Tumor Immunology (tba)
Infectious Diseases (M. Fabri)	

We thank *Almirall, Bristol-Myers Squibb SA, Biotest AG, Glaxo Smith Kline AG, Janssen-Cilag AG, L'Oréal Suisse SA/ division LA ROCHE-POSAY, 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. Posch**

**O01/01**    **14:10**      **Rationale for anti-IL-17A treatment in bullous pemphigoid**  
**(P075)**      L. Chakievskaya, 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**

**O02/01 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

**O02/02 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

**O02/03 08:50  
(P140)**

**A novel mouse model for pemphigus vulgaris**

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

**O02/04 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

**O02/05 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

**O02/06 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**

- 003/01 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
- 003/02 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. Riesenberg, J. Reinhardt, E. Gaffal, M. Hoelzel, T. Tueting; Magdeburg, Kuopio, Bonn
- 003/03 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
- 003/04 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
- 003/05 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
- 003/06 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, L'Oréal Suisse SA/Cosmétique Active, division "LA ROCHE-POSAY", Novartis Pharma Schweiz AG, UCB-Pharma AG and Takeda Pharma AG** for their kind support.

Adaptive Immunity (G. Stary)

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Tumor Biology (E. Guenova)

Tumor Immunology (tba)

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**Friday, March 9, 2018**

**13:25-14:25 Lunchbreak**

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

- O04/01 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
- O04/02 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
- O04/03 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
- O04/04 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
- O04/05 15:05 (P081) Functional specialization of inflammatory dermal monocytes in psoriasis**  
 L. Freund, A. Temme, M. Bachmann, K. Schaekel; Heidelberg, Dresden
- O04/06 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

*Thanks from the ADF to the*

*\*Erwin & Irmgard Egner-Stiftung*

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

*\*\*\*Novartis Pharma GmbH*

**18:00-19:00**

**ADF General Assembly**

(for agenda please see ADF-Homepage, [www.adf-online.de](http://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: C. Traidl-Hoffmann, T. Buhl**

**O05/01 09:00  
(P114)**

**Glucocorticoids promote intrinsic human Th17 differentiation**

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

**O05/02 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

**O05/03 09:20  
(P185)**

**Effect of selective Gq/11-inhibition on malignant melanoma**

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

**O05/04 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

**O05/05 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

**O05/06 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***

**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**

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

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. MartÄ-nez-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 $\hat{\alpha}$ 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 $\beta$  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 â€” 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. Zemann,  
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. Bobilev, 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, Hannover, Kiel, Buxtehude, Munich, Heidelberg, Selters, Berlin, Burgstaedt, Mainz, Bonn, Andernach
- P102**      **Prevalence and determinants of Psoriasis ina 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. FerreirÃ³s, 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**      **Disease activity in experimental bullous pemphigoid depends on IgG Fc N-glycosylation**  
 F. Schulze, D. Baumann, E. Heppe, J. Dworschak, S. Goletz, J. Hobusch, G. Lilienthal, E. Schmidt, M. Ehlers; Luebeck
- 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**  
 J. Prinz, E. Reeves, S. Vollmer, Y. Arakawa, E. James, A. Arakawa; Munich, Southampton
- P121**      **Multi-parameter flow cytometric profiling of T cell populations in psoriatic patients**  
 K. Loescher, V. Raker, E. Graulich, R. Schopf, K. Steinbrink; Mainz
- P122**      **The simultaneous siRNA-mediated downregulation of PD-1 and CTLA-4 to improve CAR-T cell immunotherapy of melanoma**  
 B. Simon, D. Harrer, B. Schuler-Thurner, J. Doerrie, N. Schaft, G. Schuler, U. Uslu;  
 Erlangen
- P123**      **The relevance of CMV reactivation in immunocompromised patients suffering from chronic inflammatory skin diseases**  
 P. Speth, M. Jargosch, K. Eyerich, S. Eyerich, N. Garzorz-Stark; Munich
- P124**      **The role of the hair follicle in antibody transfer-induced epidermolysis bullosa acquisita**  
 A. Fokuhl, A. Kasprick, C. Karsten, K. Bieber, D. Zillikens, R. Ludwig, J. Hundt; Luebeck
- P125**      **Adipose Tissue Precursor Cells Sense and Shape Their Environment at the Wound Site**  
 S. Munir, K. Singh, W. Meinhard, K. Scharffetter-Kochanek; Ulm
- P126**      **Modifying melanoma immune microenvironment by heterologous prime-boost vaccination with adenovirus and Modified Vaccinia Ankara virus vectors**  
 N. Shridhar, J. Ruotsalainen, T. van der Sluis, M. Rogava, D. Yu, M. Essand, W. Kastenmueller, E. Gaffal, T. Tueting; Bonn, Magdeburg, Uppsala, Bonn
- P127**      **Combined anti-tumor immune responses of slan+ monocytes and natural killer cells in malignant melanoma**  
 F. Funck, J. Pahl, A. Cerwenka, K. Schaekel; Heidelberg, Mannheim

- P128**      **IL-17C: checkpoint in innate skin immunology**  
 F. Lauffer, V. Baghin, C. Albanesi, S. Madonna, S. Steidl, N. Vandeghinste,  
 T. Biedermann, S. Eyerich, K. Eyerich; Munich, Rome, Planegg, Mechelen
- P129**      **Differential induction of ATF3 and HO-1 in myeloid cells and keratinocytes via Dimethylfumarate or Cyclosporine A**  
 S. Mueller, N. Smatlik, M. Burian, R. Stach, K. Ghoreschi, M. Roecken, A. Yazdi;  
 Tuebingen
- P130**      **Mast cells modulate antigen-specific CD8 T cell activation during viral infections**  
 Y. Arestova, F. Siebenhaar, M. Maurer, M. Munoz; Berlin
- P131**      **Effects of Cold Atmospheric Plasma (CAP) on Human Peripheral Blood Mononuclear Cells (PBMC)**  
 N. Zimmer, P. Schneider, S. Rietz, A. Tuettenberg; Mainz
- 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
- P133**      **Activation of the lymphocyte function associated antigen 1 (LFA-1) is critical for the stable adhesion of slan+ monocytes recruited via CD16 by intracapillary immune complexes**  
 H. Zhang, F. Olaru, K. Schaekel; Heidelberg
- P134**      **Altered frequency of myeloid-derived suppressor cells (MDSC) and regulatory T cells (Treg) in peripheral blood of patients with psoriasis**  
 J. Wegner, F. Krebs, A. Tuettenberg, E. von Stebut; Mainz, Cologne
- P135**      **Deficiency of the G protein-coupled receptor GPR109a alters the phenotype and function of dendritic cells**  
 A. Schwarz, A. Bruhs, T. Schwarz; Kiel
- P136**      **UV-B irradiation of the skin improves experimental autoimmune encephalomyelitis via signaling through the aryl hydrocarbon receptor in dendritic cells**  
 N. Mykicky, C. Baumann, C. Esser, B. Clausen, H. Wiendl, T. Luger, S. Meuth, K. Loser;  
 Muenster, Duesseldorf, Mainz
- P137**      **Reactive neutrophil responses dependent on the receptor tyrosine kinase c-MET limit cancer immunotherapy**  
 N. Glodde, T. Bald, D. van den Boorn-Konijnenberg, J. Landsberg, C. Gebhardt, G. Long,  
 W. Kastenmueller, M. Smith, T. Tueting, M. Hoelzel; Bonn, Magdeburg, Herston,  
 Heidelberg, Mannheim, Sydney
- P138**      **Histamine modulates the production and secretion of RNase 7 in human keratinocytes**  
 K. Schaper-Gerhardt, J. Trampenau, S. Mommert, T. Werfel, R. Gutzmer; Hannover
- P139**      **Epidermal cornification is associated with the expression of a keratinocyte-specific set of pyroptosis-related genes**  
 J. Lachner, V. Mlitz, H. Qin, E. Tschachler, L. Eckhart; Vienna
- P140**      **A novel mouse model for pemphigus vulgaris**  
 C. Hudemann, R. Pollmann, J. Lee, M. Hertl, R. Eming; Marburg

- P141**      **Regulation of anaphylatoxin C3a receptor expression on human M2 macrophages by stimulating the histamine H4 receptor and the IL-4 receptor**  
S. Mommert, D. Aslan, J. Schaper, H. Stark, R. Gutzmer, T. Werfel;  
Hannover, Duesseldorf
- P142**      **Topical MTX-GNPs reduce IMQ-induced inflammation in mice**  
A. Ozcan, D. Bunton, G. Macluskie, M. McAteer, T. Coulter, Y. Ding, U. Peral, A. Kolios;  
Zurich, Glasgow, Abingdon
- P143**      **4-n-nonylphenol switches non-regulatory T cells into a regulatory phenotype**  
A. Bruhs, T. Schwarz, A. Schwarz; Kiel
- P144**      **Obesity aggravates psoriatic cutaneous inflammation due to a selective enhancement of Th17/Th1 immune response**  
Y. Skabytska, T. Biedermann; Munich
- P145**      **Identification of autoreactive B cell subpopulations in peripheral blood of pemphigus vulgaris patients**  
R. Pollmann, T. Schmidt, C. Moebis, W. Pfuetzner, M. Hertl, R. Eming; Marburg
- P146**      **Potential role of TGF-beta signaling in immune-checkpoint-therapy-induced resistance in malignant melanoma**  
S. Loeffek, S. Horn, P. Dujardin, M. Hoelzel, D. Schadendorf, I. Helfrich; Essen, Bonn
- P147**      **Glutathione deficiency in cystine/glutamate antiporter knockout mice is not sufficient for induction of dimethyl fumarate-mediated immune deviation**  
B. Bauer, T. Wieder, M. Roeken; Tuebingen
- P148**      **Cloning and analysis of bullous pemphigoid anti-BP180 IgG and IgE autoantibodies indicates predominance of VL1-47 gene usage and direct (from IgM) and indirect (through IgG) class switching to IgE**  
C. Hammers, H. Yuan, C. Lin, H. Tang, D. Siegel, J. Stanley; Philadelphia, Luebeck
- 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
- P150**      **Altered levels of B cell subpopulations and immunoglobulins in patients with psoriasis**  
K. Kahlert, F. Graen, S. Benoit, M. Goebeler, A. Kerstan; Wuerzburg
- P151**      **Ineffective antibody-dependent cellular cytotoxicity in patients with cutaneous T cell lymphoma**  
Y. Chang, M. Ziegler, D. Ignatova, P. Ivanov, R. Profanter, K. Kerl, R. Dummer, E. Contassot, L. French, A. Cozzio, S. Misailovic, W. Hoetzenecker, M. Vechev, E. Guenova; Zurich, Urbana-Champaign, St. Gallen
- P152**      **Immunoregulation by fibroblast during dermal wound healing**  
S. Saupe, R. Ferrer, M. Gruenwedel, A. Saalbach, S. Franz; Leipzig
- P153**      **Drug repurposing as a successful principle to identify drugs that alleviate experimental epidermolysis bullosa acquisita (EBA)**  
S. Ghorbanalipoor, W. Veldkamp, K. Matsumoto, K. Bieber, G. Vidarsson, Y. Gupta, S. Kuenzel, M. Schwaninger, K. Kalies, R. Ludwig; Luebeck, Groningen, Amsterdam, Ploen

- P154 Human liver- and skin-derived NK cells exhibit antigen-specific memory responses**  
V. Stary, J. Strobl, N. Bayer, P. Starlinger, G. Stary; Vienna
- P155 Tissue factor-PAR2 signaling mediates inflammation in contact hypersensitivity**  
M. Schmidgen, T. Schmidt, N. Lorenz, J. Haub, V. Raker, J. Springer, G. Carlino, S. Reyda, W. Ruf, K. Steinbrink; Mainz
- P156 High-dose immunoglobulines induce a reduction of desmoglein 3-specific IgG antibodies in a human leukocyte antigen-transgenic mouse model of pemphigus vulgaris.**  
J. Lee, R. Pollmann, C. Hudemann, E. Rentz, M. Hertl, R. Eming; Marburg, Dreieich
- P157 Elevated IL-31 serum levels in bullous pemphigoid patients correlate with eosinophil numbers and are associated with BP180-IgE**  
M. Salz, S. Haeberle, J. Hoffmann, A. Enk, E. Hadaschik; Heidelberg, Essen
- 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
- P159 Lipocalin 2 plays a role in palmoplantar pustular psoriasis**  
K. Wolk, Y. Frambach, A. Jacobi, D. Wilsmann-Theis, S. Philipp, E. Witte-Haendel, J. Wenzel, R. Moessner, R. Sabat; Berlin, Luebeck, Hamburg, Bonn, Goettingen
- P160 Clinical improvement after treatment with anti-IgE antibody is associated with reduced frequencies of IFN-gamma-, IL-10- and IL-31-secreting T cells in patients with chronic spontaneous urticaria**  
M. Rauber, J. Pickert, L. Holiangu, C. Moebis, W. Pfuetzner; Marburg, Giessen
- P161 Increased levels of CCL2 in Schnitzler's Syndrome**  
K. Krause, E. Witte-Haendel, A. Schulze, V. Puhl, M. Maurer, A. Tsaousi, R. Sabat, K. Wolk; Berlin
- P162 Phosphodiesterase-4 inhibition alleviates psoriatic skin phenotype of K5.Stat3C mice**  
B. Meier, M. Mellett, P. Schafer, E. Contassot, L. French; Zurich, Summit
- P163 Enhanced IL-9 production by skin T cells using TH9 promoting cytokines**  
P. Kienzl, P. Hagenbach, R. Polacek, P. Tajpara, M. Mildner, M. Gschwandtner, A. Elbe-Buerger; Vienna
- P164 FlgHrn-deficient mice on C57BL/6 and Balb/c background exhibit phenotypic differences in a model of experimental atopic march, thus reflecting genetic variances in humans**  
F. Fries, K. Reier, M. Mempel, M. Schoen, A. Braun; Goettingen, Goettingen and Osnabrueck
- P165 Effects of anthralin on innate factors and cytokeratins expression by keratinocytes**  
J. Holstein, B. Fehrenbacher, J. Brueck, E. Mueller-Hermelink, I. Schaefer, M. Carevic, B. Schitteck, M. Schaller, K. Ghoreschi, F. Eberle; Tuebingen

- P166**      **Epicutaneous allergen exposure induces pathogenic IL-22-producing T helper cells**  
 J. Brueck, I. Glocova, J. Geisel, E. Mueller-Hermelink, A. Yazdi, M. Roecken, K. Ghoreschi; Tuebingen

## Infectious diseases

- P167**      **Comparison of antimicrobial efficacy of a plasma jet and a DBD plasma source in vitro**  
 S. Fink, U. Hipler, C. Wiegand; Jena
- P168**      **The role of skin mast cells in *Sporothrix schenckii* infection**  
 Q. Jiao, Y. Luo, J. Scheffel, O. Schmetzer, Y. Wang, Z. Zhao, M. Maurer; Berlin, Beijing
- P169**      **Determination of different virulence factors of white and yellow strains of *Trichophyton benhamiae* from human and animal sources**  
 J. Hesse, C. Wiegand, N. Rahmig, Y. Graeser, C. Kupsch, U. Hipler; Jena, Berlin
- P170**      **Ex vivo inflammatory response of keratinocytes to infection with *Trichophyton benhamiae***  
 B. Morgner, J. Hesse, C. Wiegand, U. Hipler; Jena
- P171**      **In vivo risk assessment in a pilot study to analyze effects of wIRA treatment on skin tissue in a pig model**  
 A. Koenig, A. Jeute, G. Pluschke, M. Ruf, S. von Ah, W. Pendl, X. Sidler, V. Cap, P. Hug, N. Borel, R. Kaufmann, S. Kippenberger, N. Zoeller; Frankfurt am Main, Basel, Zurich
- P172**      ***S. epidermidis*-induced reduction of *S. aureus* skin colonization depends on the activation of Interleukin-1 receptor-induced innate immune signaling pathways**  
 K. Bitschar, L. Klink, M. Burian, B. Schitteck; Tuebingen
- 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
- P174**      **Optimization of a protocol for the assessment of living skin microbiota**  
 Y. Amar, T. Biedermann, M. Koeberle; Munich

## Pharmacology

- P175**      **Olive oil-derived phenols exert effective anti-inflammatory properties by interference with the NF- $\kappa$ B pathway and TSLP production in human keratinocytes.**  
 M. Aparicio-Soto, D. Redhu, M. Sanchez-Hidalgo, J. Fernandez-Bolanos, C. Alarcon-de-la-Lastra, M. Babina, M. Worm; Sevilla, Berlin
- P176**      **Arsenic trioxide decreases lymphangiogenesis by inducing extrinsic and intrinsic apoptosis and inhibition of important lymphatic endothelial cell receptors**  
 I. Hrgovic, E. Zoeller, J. Kleemann, T. Hailemariam, M. Doll, R. Kaufmann, M. Meissner; Frankfurt am Main, Kaiserslautern

- P177**      **The effect of monomethylfumarate on human blood neutrophils**  
I. Suhrkamp, P. Morrison, U. Mrowietz; Kiel

## Photobiology

- P178**      **Splice variants of the endonucleases XPF and XPG contain residual DNA repair capabilities and could be a valuable tool for personalized medicine**  
J. Lehmann, S. Schubert, C. Seebode, A. Apel, A. Ohlenbusch, S. Emmert;  
Rostock, Goettingen, Muenster

## Pruritus

- P179**      **Bad vibrations: insights into the mysterious on/off itch and erythema during whole body vibration exercise**  
S. Mueller, M. Fischer, P. Itin, C. Nueesch, M. Hartard, O. Brandt, A. Muendermann;  
Basel, Allschwil, Munich
- P180**      **The molecular signature of Chronic Prurigo**  
T. Ohanyan, T. Litman, T. Hawro, N. Schoepke, W. Koopmann, M. Maurer, M. Metz;  
Berlin, Ballerup
- P181**      **GEHIS (German Epidemiological Hemodialysis Itch Study): Results of a follow-up study on Chronic Itch in Hemodialysis Patients**  
N. Plewig, R. Ofenloch, T. Mettang, E. Weisshaar; Heidelberg, Wiesbaden
- P182**      **Gene expression profiling in chronic prurigo of nodular type**  
K. Agelopoulos, T. Lotts, H. Conrad, M. Dugas, S. Staender; Muenster, Goettingen
- 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

## Tumor Biology

- P184**      **The expression of chondroitin sulfate proteoglycan 4 (CSPG4) is decreased in BRAF-mutant induced drug-tolerant melanoma cells**  
K. Uranowska, T. Kalic, K. Karapandza, I. Ellinger, H. Breiteneder, H. Schaidler, C. Hafner;  
St. Poelten, Vienna, Brisbane
- P185**      **Effect of selective Gq/11-inhibition on malignant melanoma**  
N. Shridhar, G. von Ehrlich-Treuenstaett, S. Bonifatius, T. Tueting, E. Gaffal; Magdeburg
- P186**      **A Drosophila melanogaster model for melanoma drug screening**  
A. Volkhardt, J. Bohnkamp, I. Pfeifle, C. Engel, T. Magin, M. Kunz; Leipzig
- 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

- P188**      **MAPK inhibitor resistance is associated with intrinsic TAp73 down-regulation and enhanced platinum-based drug sensitivity in malignant melanoma**  
E. Makino, A. Ohmayer, C. Kosnopfel, H. Niessner, C. Garbe, T. Sinnberg, B. Schitteck;  
Tuebingen
- P189**      **JunB - a potential downstream mediator of TNF signaling in cytokine-induced cancer cell senescence?**  
N. Simon, J. Bauer, T. Wieder, J. Harbig, D. Dauch, L. Zender, K. Boldt, M. Ueffing,  
M. Roecken; Tuebingen
- P190**      **Cytokine-induced senescence (CIS) drives cancer cells to polarize naive macrophages**  
K. Boehm, M. Roecken; Tuebingen
- P191**      **Stromal Hyaluronan supports melanoma cell proliferation and angiogenic potential**  
K. Nguyen, J. Sapudom, A. Saalbach, T. Pompe, U. Anderegg; Leipzig
- P192**      **YB-1 expression and serine102 phosphorylation regulate tumourigenicity and invasiveness of melanoma cells by influencing epithelial-to-mesenchymal transition**  
C. Kosnopfel, T. Sinnberg, B. Sauer, C. Busch, H. Niessner, A. Schmitt, S. Forchhammer,  
C. Grimmel, P. Mertens, S. Hailfinger, S. Dunn, C. Garbe, B. Schitteck;  
Tuebingen, Winterthur, Magdeburg, Richmond
- P193**      **von Willebrand factor-mediated platelet aggregates promote local disruption of the blood brain barrier in brain metastasis**  
J. Robador Arteta, T. Mayer, A. Bauer, V. Umansky, F. Winkler, S. Schneider;  
Mannheim, Hamburg, Heidelberg
- P194**      **The combination of PI3Ki and MEKi: a treatment option for melanoma patients with either mutated or wildtype BRAF?**  
T. Wagner, T. Sinnberg, F. Meraz-Torres, F. Hilke, C. Schroeder, O. Riess, C. Garbe,  
H. Niessner; Tuebingen
- P195**      **Interaction of Neutrophils and Melanoma in the Context of MAP Kinase Inhibition**  
S. Wendlinger, J. Wohlfarth, A. Kerstan, M. Schwamborn, A. Sucker, C. Siedel,  
D. Schadendorf, M. Goebeler, B. Schilling; Wuerzburg, Essen, Heidelberg
- 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
- 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
- P198**      **Stat1-dependent induction of cancer cell senescence via Th1 driven immunotherapy in advanced cancer**  
E. Brenner, B. Schoerg, T. Wieder, J. Bauer, K. Ghoreschi, A. Yazdi, L. Quintanilla-  
Martinez, M. Schaller, B. Pichler, M. Kneilling, M. Roecken; Tuebingen

- P199**      **A dual role of neutrophils in cutaneous melanoma**  
A. Forsthuber, K. Lipp, S. Ebersberger, O. Graña, P. Petzelbauer, B. Lichtenberger, R. Loewe; Vienna, Mainz, Madrid
- P200**      **Tanshinone IIA a promising approach in Merkel cell carcinoma?**  
J. Kleemann, I. Hrgovic, T. Hailemariam-Jahn, M. Doll, K. Steinhorst, V. Koenig, R. Kaufmann, S. Kippenberger, M. Meissner; Frankfurt am Main
- P201**      **Chitinase-3-like 1 modulates extracellular matrix and release cytokines**  
G. Ramos, N. Halter, Y. Yang, C. Dollt, A. Schmieder, B. Moerschbacher, S. Schneider, C. Gorzelanny; Hamburg, Mannheim, Shanghai, Muenster
- P202**      **Active recruitment of mast cells to the microenvironment of malignant melanoma**  
A. Schulz, N. Ernst, S. Nsiah-Dosu, M. Friedrich, N. Gross, M. Fleischer, H. Busch, W. Vogel, S. Perner, D. Zillikens, K. Hartmann; Luebeck
- 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
- P204**      **NRAS and BRAF-induced senescence in primary human melanocytes**  
L. Mayer, M. Roesch, R. Houben, S. Haferkamp; Regensburg, Wuerzburg
- P205**      **Combined action of histone deacetylase inhibition and interferon gamma drives cancer cells into senescence.**  
M. Gassenmaier, M. Rosen, M. Rentschler, E. Brenner, N. Simon, B. Bauer, K. Boehm, S. Weidemann, T. Wieder, M. Roeken; Tuebingen
- P206**      **Inhibition of melanoma cell derived prostaglandin E2 amplifies T- cell receptor signaling and shows clinical efficacy in combination with anti-PD1 therapy**  
T. Sinnberg, H. Niessner, T. Eigentler, M. Schmitt, B. Macek, U. Hofmann, M. Schwab, A. Forschner, C. Garbe; Tuebingen, Stuttgart
- P207**      **Ultraviolet (UV)-A irradiation induces prolonged changes in metabolism which influence, via enhanced lactic acid production , melanoma invasion in vitro**  
Y. Kamenisch, T. Baban, I. Ivanova, W. Schuller, B. Schitteck, G. Metzler, C. Garbe, J. Bauer, M. Roeken, M. Berneburg; Regensburg, Tuebingen
- P208**      **Cancer-associated immune suppression in cutaneous T cell lymphoma**  
D. Ignatova, Y. Chang, R. Dummer, L. French, A. Cozzio, W. Hoetzenecker, E. Guenova; Zurich, St. Gallen, Linz
- P209**      **Phenotype switching as a resistance mechanism to BRAF and MEK inhibition**  
P. Cheng, S. Freiburger, A. Irmisch, R. Dummer, M. Levesque; Zurich
- P210**      **CXCL13 and BOB1 expression in initial biopsies of mycosis fungoides with stable early stage and later tumor stage disease**  
U. Wehkamp, I. Oschlies, C. Kohler, M. Weichenthal, W. Klapper; Kiel, Regensburg
- P211**      **Impact of oncogenic BrafV600 on melanoma pathogenesis in Hgf-Cdk4R24C mice**  
E. Gaffal, T. van der Sluis, S. Bonifatius, T. Tueting; Magdeburg
- P212**      **Role of 2A-DUB/Mysm1 in DNA damage responses in the skin and hematopoietic system**  
C. Kroeger, C. Wilms, A. Hainzl, I. Krikki, B. Pfander, M. Gatzka; Ulm, Martinsried



## Miscellaneous

- P213**      **Epidermal lipid composition, barrier integrity and eczematous inflammation impact skin microbiome composition**  
H. Baurecht, E. Rodriguez, F. Thielking, I. Harder, S. Weidinger; Kiel
- P214**      **The PPAR- modulator, N-acetyl-GED, as a novel therapeutic strategy for lichen planopilaris and other scarring alopecias**  
M. Bertolini, J. Chéret, J. Hardman, F. Jimenez, R. Paus;  
Muenster, Manchester, Las Palmas, Gran Canaria
- P215**      **A new human folliculoid assay for investigating neuroectodermal-mesenchymal interactions in vitro**  
C. Platt, J. Chéret, J. Gherardini, M. Bertolini, R. Paus; Manchester, Muenster
- P216**      **Dermal white adipose tissue undergoes major morphological changes during the spontaneous and induced murine hair follicle cycling**  
A. Foster, C. Nicu, M. Schneider, E. Hinde, R. Paus; Manchester, Munich
- P217**      **Skin microbiota as potential trigger factors for pemphigus vulgaris**  
A. Kuenstner, N. Sommer, S. Kuenzel, D. Zillikens, R. Glaeser, J. Baines, E. Schmidt, H. Busch; Luebeck, Ploen, Kiel
- P218**      **Photosensitivity in patients with TREX1 associated lupus erythematosus as trigger for type I interferon induction and disease exacerbation**  
F. Schmidt, N. Zimmermann, N. Berndt, P. Knuschke, M. Lee-Kirsch, C. Guenther; Dresden
- P219**      **Skin microbiome analysis is affected by choice of DNA extraction kit**  
C. Huelpuesch, M. Reiger, T. Nussbaumer, A. Neumann, C. Traidl-Hoffmann; Augsburg, Munich, Davos

## AUTHOR INDEX

### A

Abel, M. (Rengsdorf) P010, P011  
 Abels, C. (Bielefeld) P006, P046, P050, P110 (OP01/02)  
 Abraham, S. (Dresden) P101, P103  
 Achermann, J. (Zurich) P096  
 Agelopoulos, K. (Muenster) P182, P183 (OP06/03)  
 Alarcon-de-la-Lastra, C. (Sevilla) P175  
 Albanesi, C. (Rome) P128 (OP01/05)  
 Allouche, J. (Boston) P017  
 Almansouri, D. (Dessau) P084  
 Altrichter, S. (Berlin) P057  
 Alupei, M. C. (Ulm) P021, P025, P030, P072  
 Amann, K. (Erlangen) P005 (OP02/02)  
 Amar, Y. (Munich) P174  
 Anderegg, U. (Leipzig) P191  
 Antonicelli, F. (Reims) P119  
 Anzengruber, F. (Zurich) P059, P060, P104  
 Aparicio-Soto, M. (Berlin) P175  
 Apel, A. (Goettingen) P178  
 Apel, M. (Muenster) P073  
 Apfelbacher, C. J. (Regensburg) P102  
 Arakawa, A. (Munich) P120  
 Arakawa, Y. (Munich) P120  
 Arestova, Y. (Berlin) P130  
 Arnold, G. J. (Munich) P065  
 Asady, A. (Berlin) P057  
 Aslan, D. (Hannover) P141  
 Atallah, P. (Leipzig and Dresden) P043  
 Attah, C. (Luebeck) P106  
 Augustin, M. (Hamburg) P059

### B

Babalija, L. (Erlangen) P051 (OP03/05)  
 Baban, T. (Tuebingen) P207  
 Babina, M. (Berlin) P037, P175  
 Bachmann, M. (Dresden) P081 (OP04/05)  
 Baghin, V. (Munich) P039, P128 (OP01/05)  
 Baines, J. (Ploen) P217  
 Bald, T. (Bonn) P137  
 Bangert, C. (Vienna) P038  
 Banik, I. (Zurich) P100  
 Baron, J. (Aachen) P070  
 Bart, T. (Basel) P047  
 Bartels, J. (Kiel) P031  
 Basu, A. (Ulm) P007, P015 (OP05/04), P072  
 Batycka-Baran, A. (Munich) P064  
 Bauer, A. T. (Mannheim) P193

Bauer, B. (Tuebingen) P147, P197 (OP03/03), P205  
 Bauer, J. (Tuebingen) P189, P198, P207  
 Baum, P. (Biberach) P086  
 Baumann, C. (Muenster) P111, P136  
 Baumann, D. (Luebeck) P108  
 Baurecht, H. (Kiel) P103, P213  
 Bayer, N. (Vienna) P112, P154 (OP02/01)  
 Becker, M. (Dessau) P068  
 Begemann, G. (Hannover) P004  
 Bell, M. (Andernach) P101, P103  
 Benoit, S. (Wuerzburg) P150  
 Bergmann, S. (Vienna) P028  
 Bergougnan, C. (Augsburg) P076  
 Berndt, N. (Dresden) P218  
 Berneburg, M. (Regensburg) P089, P207  
 Bernhardt, I. (Saarbruecken) P016  
 Bertolini, M. (Muenster) P214, P215  
 Beutler, C. (Berlin) P070  
 Bhandari, A. (Luebeck) P099  
 Bieber, K. (Luebeck) P124, P132 (OP03/04), P153  
 Bieber, T. (Bonn) P101, P103  
 Biedermann, T. (Munich) P078, P090, P128 (OP01/05), P144 (OP06/02), P174  
 Bieniek, A. (Wroclaw) P064  
 Bitschar, K. (Tuebingen) P172  
 Bloch, W. (Cologne) P007  
 Blum, H. (Munich) P065  
 Bobylev, T. (Buxtehude) P101, P103  
 Boehm, K. (Tuebingen) P190, P205  
 Boehm, M. (Muenster) P066, P073  
 Boehncke, W. (Geneva) P059, P041 (OP03/01), P045  
 Boehner, A. (Munich) P078, P090  
 Boerries, M. (Freiburg) P098  
 Bohnekamp, J. (Leipzig) P186 (OP06/06)  
 Boldt, K. (Tuebingen) P189  
 Bonifatius, S. (Magdeburg) P185 (OP05/03), P187 (OP03/02), P211  
 Bonnekoh, H. (Berlin) P117  
 Borel, N. (Zurich) P171  
 Borkner, L. (Braunschweig) P093  
 Borradori, L. (Bern) P059  
 Brandt, O. (Basel) P047, P179  
 Braumueller, H. (Tuebingen) P197 (OP03/03)  
 Braun, A. (Goettingen) P164  
 Breiteneder, H. (Vienna) P184

Brembilla, N. C. (Geneva) P041 (OP03/01), P045  
 Brenner, E. (Tuebingen) P198, P205  
 Brinckmann, J. (Luebeck) P002  
 Brinkmann, V. (Berlin) P117  
 Brodesser, S. (Cologne) P008 (OP06/04)  
 Broeker, B. (Greifswald) P076  
 Brown, A. (Ulm) P072  
 Bruckner-Tuderman, L. (Freiburg) P096  
 Brueck, J. (Tuebingen) P165, P166  
 Brueggen, M. (Vienna) P038  
 Bruhs, A. (Kiel) P135, P143  
 Brunner, P. M. (Vienna) P038  
 Buerger, C. (Frankfurt am Main) P027, P041 (OP03/01)  
 Bunton, D. (Glasgow) P142  
 Burg, J. (Mainz) P173 (OP02/05)  
 Burian, M. (Tuebingen) P129, P172  
 Burkhardt, F. (Tuebingen) P197 (OP03/03)  
 Burkovski, A. (Ulm) P019  
 Busch, C. (Tuebingen) P192  
 Busch, H. (Luebeck) P098, P099, P202, P217  
 Buttgereit, T. (Berlin) P003

### C

Cap, V. (Zurich) P171  
 Carevic, M. (Tuebingen) P165  
 Carlino, G. (Mainz) P155  
 Casanova, J. (New York, NY) P115  
 Cerwenka, A. (Heidelberg) P127  
 Chakievskia, L. (Luebeck) P075 (OP01/01)  
 Chang, Y. (Zurich) P058, P096, P151, P208  
 Chartolani, N. (Muenster) P110 (OP01/02)  
 Chaudhry, I. (Liverpool) P080  
 Cheng, P. F. (Zurich) P100, P209  
 Chéret, J. (Muenster) P214, P215  
 Christou, D. (Berlin) P085, P086  
 Chuamanochan, M. (Berlin) P057  
 Cieslak, C. (Bochum) P036  
 Clausen, B. (Mainz) P136  
 Conrad, C. (Lausanne) P059, P045  
 Conrad, H. (Goettingen) P182  
 Consentius, C. (Berlin) P063  
 Contassot, E. (Zurich) P151, P162  
 Cotsarelis, G. (Philadelphia) P014 (OP02/04)  
 Coulter, T. (Abingdon) P142

## AUTHOR INDEX

Cozzio, A. (St. Gallen) P059,  
P096, P151, P208  
Crisan, D. (Ulm) P015 (OP05/04)

### D

Daeschlein, G. (Greifswald) P055  
Dahlhoff, M. (Munich) P065  
Daignault, S. M. (Brisbane) P203  
(OP06/01)  
Dangelmaier, J. (Muenster) P183  
(OP06/03)  
Daniel, C. (Erlangen) P005  
(OP02/02)  
Dauch, D. (Tuebingen) P189  
Davender, D. (Berlin) P037  
De Donato, D. P. (Augsburg)  
P076  
De Gregorio, C. (Bellinzona)  
P116 (OP04/06)  
de Lange, S. (Rengsdorf) P010,  
P011  
de Maat, S. (Utrecht) P077  
(OP01/04)  
del Rey, A. (Marburg) P066  
Delic, D. (Biberach) P086  
Dengjel, J. (Freiburg) P098  
Di Zenzo, G. M. (Rome) P119  
Diefenbach, A. (Berlin) P042  
Diehl, S. (Frankfurt am Main)  
P027, P041 (OP03/01)  
Dieterich, A. (Luebeck) P099,  
P119  
Dietze-Schwonberg, K. (Mainz)  
P173 (OP02/05)  
Ding, Y. (Abingdon) P142  
Djamei, V. (Zurich) P059, P104,  
P105  
Dobrindt, U. (Muenster) P111  
Doerrie, J. (Erlangen) P051  
(OP03/05), P122  
Dolcetti, R. (Brisbane) P203  
(OP06/01)  
Doll, M. (Frankfurt am Main)  
P056, P176, P200  
Dollt, C. (Mannheim) P201  
Drach, M. (Zurich) P059  
Dreischer, P. (Tuebingen) P016  
Drewitz, K. P. (Regensburg) P102  
Dugas, M. (Muenster) P182  
Dujardin, P. (Essen) P146  
Dummer, R. (Zurich) P100, P151,  
P208, P209  
Dunn, S. E. (Richmond) P192  
Dworschak, J. (Luebeck) P108

### E

Eberherr, A. (Augsburg) P076  
Eberle, F. C. (Tuebingen) P165  
Eberle, J. (Berlin) P071  
Eberlein, V. (Erlangen) P051  
(OP03/05)

Ebersberger, S. (Mainz) P199  
Eckes, B. (Cologne) P032  
(OP06/05), P066  
Eckhart, L. (Vienna) P028, P091,  
P139  
Effner, R. (Augsburg) P076, P115  
Egner, A. (Goettingen) P033  
Ehlers, M. (Luebeck) P108  
Ehrlich, F. (Vienna) P091  
Eigentler, T. (Tuebingen) P206  
El Malki, K. (Mainz) P042  
Elbe-Buerger, A. (Vienna) P163  
Ellinger, I. (Vienna) P184  
Eming, R. (Marburg) P062  
(OP04/03), P140 (OP02/03),  
P145, P156  
Emmert, S. (Rostock) P020, P178  
Emtenani, S. (Luebeck) P074  
Engel, C. (Leipzig) P186  
(OP06/06)  
Enk, A. H. (Heidelberg) P040,  
P132 (OP03/04), P157, P158  
(OP02/06)  
Ennis, S. (Southampton) P077  
(OP01/04)  
Erdmann, J. (Luebeck) P099  
Ernst, N. (Luebeck) P082, P088,  
P202  
Erpenbeck, L. (Goettingen) P033  
Essand, M. (Uppsala) P126  
Esser, C. (Duesseldorf) P136  
Esser, P. (Freiburg) P030  
Euler, T. (Frankfurt am Main)  
P022  
Exner, T. (Dessau) P071  
Eyerich, K. (Munich) P039, P053,  
P078, P115, P123, P128  
(OP01/05)  
Eyerich, S. (Munich) P039, P053,  
P115, P123, P128 (OP01/05)

### F

Fabri, M. (Cologne) P114  
(OP05/01)  
Faehrich, A. (Luebeck) P079  
Fehrenbacher, B. (Tuebingen)  
P096, P165  
Felsberg, J. (Duesseldorf) P034  
Feoktistova, M. (Aachen) P013  
(OP03/06)  
Fernandez-Bolanos, J. (Sevilla)  
P175  
Ferreira, F. (Ulm) P019, P026  
Ferreirós, N. (Frankfurt am Main)  
P106  
Ferrer, R. A. (Leipzig) P014  
(OP02/04), P043, P152  
Fiebich, B. L. (Freiburg) P066  
Fink, S. (Jena) P167  
Fischer, H. (Vienna) P091  
Fischer, J. (Kiel) P018

Fischer, M. (Basel) P179  
Fischer, T. (St. Gallen) P096  
Fisher, D. E. (Boston) P017  
Fleischer, M. (Luebeck) P202  
Fleming, I. (Frankfurt am Main)  
P005 (OP02/02)  
Fokuhl, A. (Luebeck) P124  
Forchhammer, S. (Tuebingen)  
P192  
Forschner, A. (Tuebingen) P206  
Forsthuber, A. (Vienna) P199  
Foster, A. R. (Manchester) P216  
Frambach, Y. (Luebeck) P159  
Franz, S. (Leipzig) P014  
(OP02/04), P043, P152  
Franzke, C. (Freiburg) P035  
(OP05/02)  
Freiberger, S. N. (Zurich) P209  
Freitag, M. (Luebeck) P099  
French, L. E. (Zurich) P059,  
P096, P151, P162, P208  
Freundenberg, U. (Leipzig and  
Dresden) P043  
Freund, L. (Heidelberg) P081  
(OP04/05)  
Frey, K. (Munich) P053  
Friedrich, M. (Luebeck) P082,  
P202  
Fries, F. (Goettingen) P164  
Friis, M. (Mainz) P054  
Froehlich, T. (Munich) P065  
Funck, F. (Heidelberg) P127

### G

Gabrielli, B. (Brisbane) P203  
(OP06/01)  
Gabrielyan, O. (Biberach) P086  
Gaffal, E. (Magdeburg) P126,  
P185 (OP05/03), P187  
(OP03/02), P211  
Galiger, C. (Freiburg) P035  
(OP05/02)  
Gantner, S. (Regensburg) P089  
Garbe, C. (Tuebingen) P188,  
P192, P194, P206, P207  
Garzorz-Stark, N. (Munich) P039,  
P053, P078, P123  
Gassenmaier, M. (Tuebingen)  
P205  
Gatzka, M. V. (Ulm) P021, P093,  
P212 (OP01/06)  
Gebhard, F. (Ulm) P015  
(OP05/04)  
Gebhardt, C. (Heidelberg) P137  
Geiger, H. (Ulm) P007  
Geisel, J. (Tuebingen) P166  
Geisler, C. (Goettingen) P033  
Geisslinger, G. (Frankfurt am  
Main) P106  
Gerer, K. (Erlangen) P051  
(OP03/05)

## AUTHOR INDEX

- Ghashghaeinia, M. (Kiel) P016  
 Ghatak, S. (Cologne) P032 (OP06/05)  
 Gherardini, J. (Muenster) P215  
 Ghorbanalipoor, S. (Luebeck) P153  
 Ghoreschi, K. (Tuebingen) P129, P165, P166, P198  
 Ghosh, A. (Zurich) P097  
 Gilles, S. (Augsburg) P076  
 Gilliet, M. (Lausanne) P059  
 Gkogkolou, P. (Muenster) P073  
 Glaeser, R. (Kiel) P031, P217  
 Glaser, T. (Bielefeld) P196 (OP04/04)  
 Glatz, M. (Zurich) P116 (OP04/06)  
 Glocova, I. (Tuebingen) P166  
 Glodde, N. (Bonn) P137  
 Goebeler, M. (Wuerzburg) P150, P195  
 Goerge, T. (Muenster) P005 (OP02/02)  
 Gola, D. (Luebeck) P099  
 Goletz, S. (Luebeck) P132 (OP03/04), P075 (OP01/01), P108, P119  
 Gollnick, H. (Magdeburg) P061  
 Goosmann, C. (Berlin) P117  
 Gorzelanny, C. (Hamburg) P201  
 Gorzelanny, C. (Mannheim) P005 (OP02/02)  
 Grabbe, S. (Mainz) P054, P118  
 Graen, F. (Wuerzburg) P150  
 Graeser, Y. (Berlin) P169  
 Graña, O. (Madrid) P199  
 Grandke, J. (Goettingen) P033  
 Grando, S. (Irvine, CA) P066  
 Graulich, E. (Mainz) P121  
 Greis, C. (Zurich) P105  
 Griesser, M. (Biberach) P086  
 Grimmel, C. (Tuebingen) P192  
 Gross, N. (Luebeck) P082, P202  
 Gruber, F. (Vienna) P028  
 Gruenwedel, M. (Leipzig) P152  
 Gschwandtner, M. (Vienna) P163  
 Guenova, E. (St. Gallen) P096  
 Guenova, E. (Zurich) P038, P058, P151, P208  
 Guenther, C. (Dresden) P218  
 Gupta, Y. (Luebeck) P153  
 Gutzmer, R. (Hannover) P138, P141  
 Gysin, S. (Basel) P047
- H**  
 Haarhaus, B. (Freiburg) P012  
 Haass, N. K. (Brisbane) P203 (OP06/01)  
 Hadaschik, E. N. (Heidelberg) P132 (OP03/04), P157  
 Haeberle, S. (Heidelberg) P132 (OP03/04), P157  
 Haeusermann, P. (Basel) P059, P047  
 Haferkamp, S. (Regensburg) P204  
 Hafner, C. (St. Poelten) P184  
 Hagenbach, P. (Vienna) P163  
 Hagl, B. (Augsburg) P076, P115  
 Hailemariam, T. (Frankfurt am Main) P176  
 Hailemariam-Jahn, T. (Frankfurt am Main) P200  
 Hailfinger, S. (Tuebingen) P192  
 Hain, C. (Bielefeld) P036  
 Hainzl, A. V. (Ulm) P212 (OP01/06)  
 Halter, N. (Mannheim) P201  
 Hammers, C. M. (Luebeck) P074, P075 (OP01/01)  
 Hammers, C. M. (Philadelphia) P148  
 Harbig, J. (Tuebingen) P189  
 Harder, I. (Hannover) P101  
 Harder, I. (Kiel) P103, P213  
 Harder, J. (Kiel) P029, P031  
 Hardman, J. A. (Manchester) P080, P214  
 Harrer, D. (Erlangen) P122  
 Harries, M. (Salford) P080  
 Hartard, M. (Munich) P179  
 Hartmann, K. (Luebeck) P082, P088, P202  
 Has, C. (Freiburg) P096, P035 (OP05/02), P098, P098  
 Hashimoto, T. (Kurume) P074, P119  
 Hattinger, E. (Munich) P064  
 Haub, J. (Mainz) P107, P113, P155  
 Haufe, E. (Dresden) P101, P103  
 Hawro, T. (Berlin) P180 (OP05/06)  
 Hecht, J. (Barcelona) P085  
 Heid, I. (Regensburg) P102  
 Heinen, A. P. (Mainz) P042  
 Heinzerling, L. (Erlangen) P051 (OP03/05)  
 Heinzl, A. (Ulm) P021  
 Helfrich, I. (Essen) P034, P146  
 Helm, M. (Mainz) P196 (OP04/04)  
 Heppe, E. N. (Luebeck) P108  
 Heratizadeh, A. (Hannover) P103  
 Heratizadeh, A. (Kiel) P101  
 Herold, B. (Ulm) P015 (OP05/04)  
 Herrera-Rios, D. (Essen) P034  
 Hertl, M. (Marburg) P062 (OP04/03), P140 (OP02/03), P145, P156  
 Herz, J. (Essen) P034  
 Hesse, B. (Kiel) P031  
 Hesse, J. (Jena) P169, P170  
 Higgins, R. (Zurich) P095, P096  
 Hilke, F. (Tuebingen) P194  
 Hill, D. S. (Newcastle upon Tyne) P203 (OP06/01)  
 Hiller, J. (Augsburg) P115  
 Hillgruber, C. (Muenster) P005 (OP02/02)  
 Hinde, E. (Manchester) P216  
 Hinkkanen, A. (Kuopio) P187 (OP03/02)  
 Hinze, D. (Bonn) P034  
 Hipler, U. (Jena) P010, P011, P167, P169, P170  
 Hirose, M. (Luebeck) P099  
 Hobusch, J. (Luebeck) P108  
 Hoegenauer, T. (Regensburg) P089  
 Hoelscher, C. (Borstel) P075 (OP01/01)  
 Hoelzel, M. (Bonn) P034, P137, P146, P187 (OP03/02)  
 Hoetzenecker, W. (Linz) P058, P208  
 Hoetzenecker, W. (St. Gallen) P096, P151  
 Hoffmann, J. (Heidelberg) P157  
 Hofman, Z. L. (Utrecht) P077 (OP01/04)  
 Hofmann, U. (Stuttgart) P206  
 Holiangu, L. (Marburg) P160  
 Holloway, J. W. (Southampton) P077 (OP01/04)  
 Holstein, J. (Tuebingen) P165  
 Holtsche, M. M. (Luebeck) P075 (OP01/01), P099  
 Hopfinger, G. (Vienna) P112  
 Hoppe, E. (Freiburg) P035 (OP05/02)  
 Horn, S. (Essen) P146  
 Hornung, R. (St. Gallen) P096  
 Hossini, A. M. (Dessau) P071  
 Houben, R. (Wuerzburg) P204  
 Hoyer, S. (Erlangen) P051 (OP03/05)  
 Hrgovic, I. (Frankfurt am Main) P056, P176, P200  
 Huber-Lang, M. (Ulm) P015 (OP05/04)  
 Huck, V. (Mannheim) P005 (OP02/02)  
 Hudemann, C. (Marburg) P140 (OP02/03), P156  
 Huebner, J. (Berlin) P063  
 Huelpesch, C. (Augsburg) P219  
 Hug, P. (Zurich) P171  
 Hundt, J. E. (Luebeck) P109, P074, P124  
 Huppertz, G. (Regensburg) P089

## AUTHOR INDEX

### I

Iben, S. (Ulm) P025, P030  
 Ibrahim, S. (Luebeck) P099  
 Ignatova, D. (Zurich) P058, P096, P151, P208  
 Igras, V. (Boston) P017  
 Irmisch, A. (Zurich) P209  
 Itin, P. (Basel) P059, P047, P179  
 Ivanov, P. (Zurich) P151  
 Ivanova, I. (Regensburg) P207  
 Iyer, A. (Ulm) P025

### J

Jacobi, A. (Hamburg) P159  
 Jacobs, G. (Kiel) P099  
 James, E. (Southampton) P120  
 Jansson, A. F. (Munich) P115  
 Jargosch, M. (Munich) P039, P123  
 Jensen, A. (St. Gallen) P096  
 Jeute, A. (Frankfurt am Main) P023, P171  
 Jiao, Q. (Berlin) P168  
 Jimenez, F. (Las Palmas, Gran Canaria) P214  
 Jing, L. (Seattle) P004  
 Johns, J. (Luebeck) P074  
 Jonuleit, H. (Mainz) P173 (OP02/05), P196 (OP04/04)  
 Juenger, M. (Greifswald) P055  
 Juerchott, K. (Berlin) P085  
 Jurk, K. (Mainz) P107

### K

Kadler, K. E. (Manchester) P002  
 Kaestner, L. (Homburg/Saar) P016  
 Kahlert, K. (Wuerzburg) P150  
 Kalic, T. (St. Poelten) P184  
 Kalies, K. (Luebeck) P079, P153  
 Kalinowski, J. (Bielefeld) P036  
 Kamenisch, Y. (Regensburg) P207  
 Karapandza, K. (St. Poelten) P184  
 Karoglan, A. (Magdeburg) P061  
 Karsten, C. M. (Luebeck) P124, P149 (OP04/01)  
 Kasperkiewicz, M. (Luebeck) P082  
 Kasprick, A. (Luebeck) P109, P124  
 Kastenmueller, W. (Bonn) P126, P137  
 Kato, M. (Aichi) P034  
 Kato, S. (Boston) P017  
 Kaufmann, R. (Frankfurt am Main) P022, P023, P024, P027, P041 (OP03/01), P056, P083, P171, P176, P200  
 Kerl, K. (Zurich) P151

Kerstan, A. (Wuerzburg) P150, P195  
 Kestler, H. A. (Ulm) P019  
 Khalid, F. (Ulm) P025  
 Kienlin, P. (Hannover) P004  
 Kienzl, P. (Vienna) P163  
 Kilic, A. (Bielefeld) P050  
 Kilo, S. (Erlangen) P021  
 Kippenberger, S. (Frankfurt am Main) P023, P024, P171, P200  
 Klapper, W. (Kiel) P210  
 Kleemann, J. (Frankfurt am Main) P056, P176, P200  
 Klein, O. (Berlin) P085  
 Klink, L. (Tuebingen) P172  
 Kluwig, D. (Aachen) P044  
 Kneilling, M. (Tuebingen) P198  
 Knie, U. (Bielefeld) P046, P050, P110 (OP01/02)  
 Knoth, H. (Berlin) P057  
 Knuschke, P. (Dresden) P218  
 Kocatuerk Goencue, E. (Istanbul) P003  
 Koch, C. E. (Luebeck) P109  
 Kochanek, S. (Ulm) P007  
 Koeberle, M. (Munich) P016, P174  
 Koehl, J. (Luebeck) P149 (OP04/01)  
 Koelle, D. M. (Seattle) P004  
 Koenig, A. (Frankfurt am Main) P023, P024, P083, P171  
 Koenig, I. (Luebeck) P099  
 Koenig, V. (Frankfurt am Main) P200  
 Kohler, C. (Regensburg) P210  
 Kokolakis, G. (Berlin) P085, P086, P087  
 Kolios, A. (Zurich) P142  
 Koller, M. (Regensburg) P089  
 Komorowski, L. (Luebeck) P074, P119  
 Koopmann, W. (Ballerup) P180 (OP05/06)  
 Kosnopfel, C. (Tuebingen) P188, P192  
 Kostner, L. (Vienna) P048  
 Kovács, B. (Luebeck) P149 (OP04/01)  
 Krause, K. (Berlin) P077 (OP01/04), P117, P161  
 Krause, L. (Neuherberg) P039  
 Krebs, F. K. (Mainz) P118, P134  
 Krebs, S. (Munich) P065  
 Krieg, T. (Cologne) P032 (OP06/05)  
 Krikki, I. (Ulm) P021, P030, P072, P212 (OP01/06)  
 Kroeger, C. (Ulm) P021, P212 (OP01/06)

Kroeger, J. (Freiburg) P035 (OP05/02)  
 Kroenke, M. (Cologne) P008 (OP06/04)  
 Krueger, U. (Berlin) P085  
 Krug, L. (Ulm) P007, P019  
 Kruss, S. (Goettingen) P033  
 Kuenstner, A. (Luebeck) P099, P217  
 Kuenzel, S. (Ploen) P153, P217  
 Kunz, M. (Leipzig) P186 (OP06/06)  
 Kupsch, C. (Berlin) P169  
 Kurch, S. (Mainz) P196 (OP04/04)  
 Kurschus, F. C. (Mainz) P042  
 Kwaczala-Tessmann, A. (Goettingen) P033  
 Kyrgidis, A. (Dessau) P067

### L

Lachner, J. (Vienna) P139  
 Laffitte, E. (Geneva) P059  
 Landsberg, J. (Bonn) P137  
 Lang, F. (Tuebingen) P005 (OP02/02), P016  
 Lang, V. (Frankfurt am Main) P027, P041 (OP03/01)  
 Langenhan, J. (Luebeck) P074  
 Lauffer, F. (Munich) P039, P053, P078, P128 (OP01/05)  
 Laugel, V. (Strasbourg) P030  
 Lautenschlager, S. (Zurich) P105  
 Leber, N. (Mainz) P196 (OP04/04)  
 Lee, J. H. (Marburg) P140 (OP02/03), P156  
 Lee-Kirsch, M. (Dresden) P218  
 Lehmann, J. (Muenster) P020, P178  
 Leibundgut-Landmann, S. (Zurich) P116 (OP04/06)  
 Levesque, M. P. (Zurich) P100, P209  
 Lichtenberger, B. (Vienna) P199  
 Liebau, E. (Muenster) P092  
 Lilienthal, G. (Luebeck) P108  
 Lin, C. (Philadelphia) P148  
 Lipp, K. (Vienna) P199  
 Litman, T. (Ballerup) P180 (OP05/06)  
 Loeffek, S. (Essen) P146  
 Loescher, K. (Mainz) P121  
 Loewe, R. (Vienna) P199  
 Lohmann, N. (Leipzig) P043  
 Long, G. V. (Sydney) P137  
 Lonsdorf, A. S. (Heidelberg) P040  
 Lopez Kostka, S. (Mainz) P173 (OP02/05)  
 Lopez-Ramos, D. (Magdeburg) P187 (OP03/02)

## AUTHOR INDEX

- Loquai, C. (Mainz) P056  
 Lorenz, N. (Mainz) P001  
 (OP01/03), P107, P113, P155  
 Lorenz, V. N. (Goettingen) P009  
 (OP05/05)  
 Loser, K. (Muenster) P110  
 (OP01/02), P111, P136, P183  
 (OP06/03)  
 Lotts, T. (Muenster) P182, P183  
 (OP06/03)  
 Ludwig, R. J. (Luebeck) P074,  
 P079, P088, P109, P124, P132  
 (OP03/04), P149  
 (OP04/01), P153  
 Luedde, T. (Aachen) P013  
 (OP03/06)  
 Luediger, A. (Muenster) P110  
 (OP01/02)  
 Luger, T. A. (Muenster) P066,  
 P073, P110 (OP01/02), P111,  
 P136  
 Luo, Y. (Berlin) P168  
 Lutze, S. (Greifswald) P055
- M**
- Maas, C. (Utrecht) P077  
 (OP01/04)  
 Macek, B. (Tuebingen) P206  
 Macluskie, G. (Glasgow) P142  
 Madonna, S. (Rome) P128  
 (OP01/05)  
 Magerl, M. (Berlin) P003  
 Magin, T. M. (Leipzig) P186  
 (OP06/06)  
 Magnolo, N. (Muenster) P111  
 Mahnke, K. (Heidelberg) P158  
 (OP02/06)  
 Mahnke, N. A. (Berlin) P077  
 (OP01/04)  
 Maier, H. (Vienna) P038  
 Mainetti, C. (Bellinzona) P059  
 Maisch, T. (Regensburg) P089  
 Maity, P. (Ulm) P007, P019  
 Makarov, R. (Aachen) P013  
 (OP03/06)  
 Makino, E. (Tuebingen) P188  
 Makrantonaki, E. (Dessau) P071  
 Makrantonaki, E. (Ulm) P021,  
 P072  
 Malzacher, A. (St. Gallen) P096  
 Marchenkov, A. (Munich) P064  
 Martens, M. (Rostock) P020  
 Martin-Garcia, D. (Heidelberg)  
 P040  
 Martínez-Ruiz, A. (Madrid) P016  
 Marx, U. (Berlin) P063  
 Mascher, B. (Hamburg) P115  
 Masur, C. (Bielefeld) P046, P050  
 Matsumoto, K. (Luebeck) P153  
 Mauch, C. (Cologne) P002  
 Maul, J. (Zurich) P059  
 Maul, T. J. (Zurich) P104  
 Maurer, M. (Berlin) P003, P057,  
 P077 (OP01/04), P117, P130,  
 P161, P168, P180  
 (OP05/06)  
 Mayer, L. J. (Regensburg) P204  
 Mayer, T. F. (Mannheim) P193  
 Mayerdorfer, M. (Vienna) P112  
 McAteer, M. A. (Abingdon) P142  
 Meier, B. (Zurich) P162  
 Meier Zuercher, C. (Zurich) P105  
 Meinhard, W. (Ulm) P125  
 Meissner, M. (Frankfurt am Main)  
 P056, P083, P176, P200  
 Mellett, M. (Zurich) P162  
 Mempel, M. (Goettingen) P164  
 Mentz, A. (Bielefeld) P036  
 Meraz-Torres, F. (Tuebingen)  
 P194  
 Merk, H. (Aachen) P070  
 Mertens, P. R. (Magdeburg) P192  
 Mertens, S. (Zurich) P116  
 (OP04/06)  
 Mettang, T. (Wiesbaden) P181  
 Metz, M. (Berlin) P057, P180  
 (OP05/06)  
 Metze, D. (Muenster) P046  
 Metzler, G. (Tuebingen) P207  
 Meuth, S. (Muenster) P136  
 Meyer, D. (Goettingen) P033  
 Meyer, P. (Ulm) P007, P019,  
 P026  
 Meyer-Hoffert, U. (Kiel) P018  
 Mielke, N. (Frankfurt am Main)  
 P083  
 Mildner, M. (Vienna) P163  
 Misailovic, S. (Zurich) P151  
 Mlitz, V. (Vienna) P139  
 Moebis, C. (Marburg) P062  
 (OP04/03), P145, P160  
 Moergelin, M. (Lund) P032  
 (OP06/05)  
 Moerschbacher, B. M. (Muenster)  
 P201  
 Moessner, R. (Goettingen) P085,  
 P159  
 Mommert, S. (Hannover) P138,  
 P141  
 Moos, S. (Mainz) P042  
 Morgner, B. (Jena) P170  
 Morrison, P. J. (Kiel) P177  
 Moser, A. (Affoltern a.A.) P105  
 Mousavi, S. (Luebeck) P106  
 Mrowietz, U. (Kiel) P016, P177  
 Mueller, S. M. (Basel) P047,  
 P179  
 Mueller, S. (Tuebingen) P129  
 Mueller-Hermelink, E.  
 (Tuebingen) P165, P166  
 Muendermann, A. (Basel) P179  
 Muessel, C. (Ulm) P019  
 Mulaw, M. A. (Ulm) P015  
 (OP05/04)  
 Munir, S. (Ulm) P015 (OP05/04),  
 P125  
 Munoz, M. L. (Berlin) P130  
 Mykicki, N. (Muenster) P136  
 Mylonnas, A. (Lausanne) P045
- N**
- Navarini, A. (Zurich) P059, P095,  
 P096, P097, P104, P105  
 Neubert, E. (Goettingen) P033  
 Neubert, K. (Burgstaedt) P103,  
 P101  
 Neuhoff, N. (Essen) P052  
 (OP04/02)  
 Neumann, A. U. (Augsburg) P219  
 Neumann, C. (Kiel) P006  
 Newton-Bishop, J. (Leeds) P052  
 (OP04/02)  
 Nguyen, K. T. (Leipzig) P191  
 Nicolay, J. P. (Mannheim) P005  
 (OP02/02)  
 Nicu, C. (Manchester) P216  
 Niebuhr, M. (Luebeck) P079  
 Niehoff, A. (Cologne) P002  
 Niessen, C. M. (Cologne) P008  
 (OP06/04)  
 Niessner, H. (Tuebingen) P188,  
 P192, P194, P206  
 Nordengruen, M. (Greifswald)  
 P076  
 Nsiah, S. (Luebeck) P082  
 Nsiah-Dosu, S. (Luebeck) P088,  
 P202  
 Nuechel, J. (Cologne) P032  
 (OP06/05)  
 Nueesch, C. (Basel) P179  
 Nuernberg, P. (Cologne) P099  
 Nussbaumer, T. (Augsburg) P219
- O**
- Obser, T. (Hamburg) P005  
 (OP02/02)  
 Ochirbold, K. (Luebeck) P106  
 Ofenloch, R. (Heidelberg) P181  
 Ohanyan, T. (Berlin) P057, P180  
 (OP05/06)  
 Ohlenbusch, A. (Goettingen)  
 P178  
 Ohmayer, A. K. (Tuebingen)  
 P188  
 Oji, V. (Muenster) P092  
 Olaru, F. (Heidelberg) P133  
 Ordieres, M. (Leipzig) P014  
 (OP02/04)  
 Oschlies, I. (Kiel) P210  
 Oster, H. (Luebeck) P109  
 Ozcan, A. (Zurich) P142

## AUTHOR INDEX

### P

Paetzold, B. (Magdeburg) P061  
 Pahl, J. (Heidelberg) P127  
 Pajdzik, K. (Vienna) P028  
 Panayotova-Dimitrova, D. (Aachen) P013 (OP03/06)  
 Pandey, R. K. (Ulm) P093  
 Paus, R. (Manchester) P080, P214, P215, P216  
 Pendl, W. (Zurich) P171  
 Pengelly, R. J. (Southampton) P077 (OP01/04)  
 Peral, U. (Abingdon) P142  
 Perner, S. (Luebeck) P202  
 Peters, F. (Cologne) P008 (OP06/04)  
 Petkova-Kirova, P. (Homburg/Saar) P016  
 Petzelbauer, P. (Vienna) P199  
 Pfeifle, I. (Leipzig) P186 (OP06/06)  
 Pfuendl, R. (Luebeck) P109  
 Pfuetzner, W. (Marburg) P145, P160  
 Philipp, S. (Berlin) P159  
 Philippou-Massier, J. (Munich) P065  
 Pichler, B. (Tuebingen) P198  
 Pickert, J. (Marburg) P160  
 Piercianek, D. (Essen) P034  
 Pinter, A. (Frankfurt am Main) P083  
 Platt, C. I. (Manchester) P215  
 Plewig, N. (Heidelberg) P181  
 Plomann, M. (Cologne) P032 (OP06/05)  
 Pluschke, G. (Basel) P171  
 Poblet, E. (Murcia) P080  
 Polacek, R. (Vienna) P163  
 Pollmann, R. (Marburg) P062 (OP04/03), P140 (OP02/03), P145, P156  
 Pompe, T. (Leipzig) P191  
 Posch, C. (Vienna) P048, P049  
 Prinz, I. (Hannover) P042  
 Prinz, J. C. (Munich) P120  
 Probst, C. (Luebeck) P119  
 Profanter, R. (Zurich) P151  
 Proksch, E. (Kiel) P006  
 Puel, A. (Paris) P115  
 Puhl, V. (Berlin) P161

### Q

Qin, H. (Vienna) P139  
 Quintanilla-Martinez, L. (Tuebingen) P198

### R

Rabien, A. (Berlin) P071  
 Rademacher, F. (Kiel) P029, P031

Rahmig, N. (Jena) P169  
 Raker, V. K. (Mainz) P001 (OP01/03), P107, P113, P121, P155  
 Ramelyte, E. (Zurich) P104  
 Ramos, E. (Madrid) P016  
 Ramos, G. A. (Hamburg) P201  
 Rappersberger, K. (Vienna) P048, P049  
 Rauber, M. M. (Marburg) P160  
 Recke, A. (Luebeck) P074, P119  
 Reddersen, K. (Jena) P010, P011  
 Redhu, D. (Berlin) P175  
 Reeves, E. (Southampton) P120  
 Regen, T. (Mainz) P042  
 Reich, H. (Bielefeld) P006, P050  
 Reichenbach, G. (Frankfurt am Main) P023  
 Reier, K. (Goettingen) P164  
 Reifenberger, G. (Duesseldorf) P034  
 Reiger, M. (Augsburg) P076, P219  
 Reinhardt, C. (Mainz) P042  
 Reinhardt, J. (Bonn) P187 (OP03/02)  
 Reininger, B. (Vienna) P038  
 Renner, E. D. (Augsburg) P076, P115  
 Rentschler, M. (Tuebingen) P197 (OP03/03), P205  
 Rentz, E. (Dreieich) P156  
 Reyda, S. (Mainz) P155  
 Richter, L. (Vienna) P048, P049  
 Riedl, E. (Vienna) P038  
 Riepe, C. (Muenster) P111  
 Riesenberger, S. (Bonn) P187 (OP03/02)  
 Riess, O. (Tuebingen) P194  
 Rietz, S. (Mainz) P131  
 Ring, J. (Munich) P115  
 Riss, A. (Regensburg) P089  
 Robador Arteta, J. (Mannheim) P193  
 Rocca, F. (Goettingen) P033  
 Rodriguez, E. (Kiel) P029, P094, P213  
 Roecken, M. (Tuebingen) P096, P129, P147, P166, P189, P190, P197 (OP03/03), P198, P205, P207  
 Roenneberg, S. (Munich) P078  
 Roesch, A. (Essen) P052 (OP04/02)  
 Roesch, M. (Regensburg) P204  
 Roesner, L. M. (Hannover) P004  
 Rogava, M. (Bonn) P126  
 Roider, E. (Boston) P017  
 Rolser, M. (Biberach) P086  
 Rosen, M. (Tuebingen) P205

Ruelander, F. (Muenster) P183 (OP06/03)  
 Ruf, M. (Basel) P171  
 Ruf, W. (Mainz) P107, P155  
 Ruotsalainen, J. (Magdeburg) P126, P187 (OP03/02)  
 Rustenbach, S. (Hamburg) P059  
 Ruth, P. (Rengsdorf) P010, P011  
 Ruzicka, T. (Munich) P064

### S

Saalbach, A. (Leipzig) P152, P191  
 Sabat, R. (Berlin) P085, P086, P087, P159, P161  
 Sadik, C. (Luebeck) P099, P106  
 Salinas, G. (Goettingen) P085  
 Sallusto, F. (Bellinzona) P116 (OP04/06)  
 Saltari, A. (Zurich) P100  
 Salz, M. (Heidelberg) P157  
 Sanchez-Hidalgo, M. (Sevilla) P175  
 Sapudom, J. (Leipzig) P191  
 Sauer, B. (Tuebingen) P192  
 Saupe, S. (Leipzig) P152  
 Schadendorf, D. (Essen) P052 (OP04/02), P034, P146, P195  
 Schaefer, I. (Tuebingen) P165  
 Schaeckel, K. (Heidelberg) P081 (OP04/05), P127, P133  
 Schafer, P. (Summit) P162  
 Schaft, N. (Erlangen) P051 (OP03/05), P122  
 Schaidler, H. (Brisbane) P184  
 Schaller, M. (Tuebingen) P096, P115, P165, P198  
 Schaper, J. (Hannover) P141  
 Schaper-Gerhardt, K. (Hannover) P138  
 Scharffetter-Kochanek, K. (Ulm) P007, P015 (OP05/04), P019, P025, P026, P030, P066, P072, P093, P125  
 Schaschinger, M. (Vienna) P038  
 Schatz, S. (Ulm) P072  
 Scheffel, J. (Berlin) P003, P077 (OP01/04), P117, P168  
 Schelling, A. (Ulm) P025, P030  
 Schempp, C. M. (Freiburg) P012  
 Schielein, M. (Munich) P090  
 Schilling, B. (Wuerzburg) P195  
 Schirmer, L. (Leipzig and Dresden) P043  
 Schitteck, B. (Tuebingen) P165, P172, P188, P192, P207  
 Schloeder, J. (Mainz) P196 (OP04/04)  
 Schlumberger, W. (Luebeck) P119

## AUTHOR INDEX

- Schmetzer, O. (Berlin) P003, P168  
 Schmid, R. (Biberach) P086  
 Schmidgen, M. (Mainz) P155  
 Schmidt, E. (Luebeck) P074, P075 (OP01/01), P082, P088, P099, P108, P119, P132 (OP03/04), P217  
 Schmidt, F. (Dresden) P218  
 Schmidt, T. (Mainz) P001 (OP01/03), P107, P155  
 Schmidt, T. (Marburg) P062 (OP04/03), P145  
 Schmieder, A. (Mannheim) P201  
 Schmitt, A. (Tuebingen) P192  
 Schmitt, J. (Dresden) P101, P103  
 Schmitt, M. (Tuebingen) P206  
 Schmitt, V. (Essen) P034  
 Schneeweiss, M. (Muenster) P110 (OP01/02)  
 Schneider, A. (Aachen) P013 (OP03/06)  
 Schneider, M. R. (Munich) P216  
 Schneider, M. F. (Dortmund) P005 (OP02/02)  
 Schneider, P. (Mainz) P131  
 Schneider, S. W. (Hamburg) P201  
 Schneider, S. W. (Mannheim) P005 (OP02/02), P193  
 Schneider-Burrus, S. (Berlin) P087  
 Schneppenheim, R. (Hamburg) P005 (OP02/02)  
 Schoen, M. P. (Goettingen) P009 (OP05/05), P033, P164  
 Schoepke, N. (Berlin) P180 (OP05/06)  
 Schoerg, B. (Tuebingen) P198  
 Schopf, R. (Mainz) P121  
 Schroeder, C. (Tuebingen) P194  
 Schroeder, J. (Kiel) P018  
 Schubert, S. (Goettingen) P178  
 Schuler, G. (Erlangen) P051 (OP03/05), P122  
 Schuler-Thurner, B. (Erlangen) P122  
 Schuller, W. (Tuebingen) P207  
 Schultze, F. S. (Luebeck) P075 (OP01/01)  
 Schulz, A. S. (Luebeck) P082, P202  
 Schulze, A. (Berlin) P161  
 Schulze, F. S. (Luebeck) P088, P108  
 Schupp, J. (Mainz) P196 (OP04/04)  
 Schuppan, D. (Mainz) P107, P113, P196 (OP04/04)  
 Schwab, J. (Ulm) P019  
 Schwab, M. (Stuttgart) P206  
 Schwamborn, M. (Essen) P195  
 Schwaninger, M. (Luebeck) P153  
 Schwarm, C. (Luebeck) P099  
 Schwarz, A. (Kiel) P135, P143  
 Schwarz, T. (Kiel) P135, P143  
 Schwegler, S. (Basel) P047  
 Schweitzer, M. (Basel) P047  
 Schwiersch, M. (Regensburg) P089  
 Seebode, C. (Rostock) P020, P178  
 Seitz, C. S. (Goettingen) P009 (OP05/05)  
 Senger-Sander, S. (Goettingen) P033  
 Sengle, G. (Cologne) P032 (OP06/05)  
 Senra, L. (Geneva) P041 (OP03/01), P045  
 Sezin, T. (Luebeck) P106  
 Shridhar, N. (Bonn) P126  
 Shridhar, N. (Magdeburg) P185 (OP05/03), P187 (OP03/02)  
 Sicher, C. (Greifswald) P055  
 Sidler, X. (Zurich) P171  
 Siebenhaar, F. (Berlin) P130  
 Siedel, C. (Wuerzburg) P195  
 Siegel, D. L. (Philadelphia) P148  
 Silva-Vilches, C. (Heidelberg) P158 (OP02/06)  
 Simanski, M. (Kiel) P029, P031  
 Simon, B. (Erlangen) P122  
 Simon, J. C. (Leipzig) P014 (OP02/04), P043  
 Simon, N. (Tuebingen) P189, P205  
 Sindrilaru, A. (Ulm) P015 (OP05/04), P066  
 Singer, B. (Essen) P034  
 Singh, K. (Ulm) P093, P007, P015 (OP05/04), P019, P072, P125  
 Sinnberg, T. (Tuebingen) P188, P192, P194, P206  
 Sipos, W. (Vienna) P028  
 Siraskar, B. (Tuebingen) P005 (OP02/02)  
 Skabytska, Y. (Munich) P144 (OP06/02)  
 Smatlik, N. (Tuebingen) P129  
 Smith, A. (Zurich) P095  
 Smith, M. J. (Herston) P137  
 Soeberdt, M. (Bielefeld) P006, P046, P050, P110 (OP01/02)  
 Solimani, F. (Marburg) P062 (OP04/03)  
 Sommer, N. (Luebeck) P217  
 Sontheimer, K. (Biberach) P086  
 Sorbe, C. (Hamburg) P059  
 Sparber, F. (Zurich) P116 (OP04/06)  
 Speth, P. (Munich) P123  
 Spiegel, R. (Zurich) P096  
 Spieler Denz, R. (Basel) P047  
 Spoerri, L. (Brisbane) P203 (OP06/01)  
 Springer, J. (Mainz) P155  
 Stach, R. A. (Tuebingen) P129  
 Stadler, R. (Bochum) P036  
 Staender, S. (Muenster) P182, P183 (OP06/03)  
 Stalder, R. (Geneva) P041 (OP03/01), P045  
 Stanley, J. R. (Philadelphia) P148  
 Stark, H. (Duesseldorf) P141  
 Stark, K. (Regensburg) P102  
 Starlinger, P. (Vienna) P154 (OP02/01)  
 Stary, G. (Vienna) P112, P154 (OP02/01)  
 Stary, V. (Vienna) P154 (OP02/01)  
 Staubach-Renz, P. (Mainz) P101, P103  
 Steffen, T. (Basel) P047  
 Stegemann, A. (Muenster) P066, P073  
 Stehbens, S. (Brisbane) P203 (OP06/01)  
 Steidl, S. (Planegg) P128 (OP01/05)  
 Steinbrink, K. (Mainz) P001 (OP01/03), P107, P113, P121, P155  
 Steinhorst, K. (Frankfurt am Main) P200  
 Stingl, G. (Vienna) P038  
 Stoecker, W. (Dallas) P119  
 Stoelzl, D. (Kiel) P103  
 Stoffel, E. (Vienna) P038  
 Stranzenbach, R. (Bochum) P036  
 Strasser, B. (Vienna) P091  
 Streit, M. (Aarau) P059  
 Strobl, J. (Vienna) P112, P154 (OP02/01)  
 Sucker, A. (Essen) P052 (OP04/02), P195  
 Suhrkamp, I. C. (Kiel) P177  
 Suita, Y. (Boston) P017  
 Sukseere, S. (Vienna) P028  
 Sure, U. (Essen) P034  
 Szeptowski, J. (Wroclaw) P064
- T**  
 Tajpara, P. (Vienna) P163  
 Tang, H. Y. (Philadelphia) P148  
 Tarinski, T. (Muenster) P092  
 Tellkamp, F. (Cologne) P008 (OP06/04)  
 Temme, A. (Dresden) P081 (OP04/05)  
 Tenzer, S. (Mainz) P118



## AUTHOR INDEX

- Theiler, M. (Zurich) P095  
 Thielking, F. (Kiel) P213  
 Thorn, V. (Mannheim) P005 (OP02/02)  
 Thriene, K. (Freiburg) P098  
 Tillmann, J. (Luebeck) P149 (OP04/01)  
 Tizek, L. (Munich) P090  
 Traber, H. (Zurich) P096  
 Traidl, S. (Hannover) P004  
 Traidl-Hoffmann, C. (Augsburg) P076, P115, P219  
 Trampenau, J. S. (Hannover) P138  
 Traupe, H. (Muenster) P092  
 Trautschold-Krause, F. S. (Goettingen) P009 (OP05/05)  
 Treiber, N. (Ulm) P007, P015 (OP05/04)  
 Tremel, W. (Mainz) P196 (OP04/04)  
 Trinschek, B. (Mainz) P173 (OP02/05)  
 Tsaousi, A. (Berlin) P087, P161  
 Tschachler, E. (Vienna) P028, P091, P139  
 Tsianakas, A. (Muenster) P111  
 Tsimpaki, T. (Mainz) P118  
 Tueting, T. (Bonn) P126  
 Tueting, T. (Magdeburg) P137, P185 (OP05/03), P187 (OP03/02), P211  
 Tuettenberg, A. (Mainz) P054, P118, P131, P134, P196 (OP04/04)  
 Tzellos, T. (Harstad) P067
- U**  
 Ueffing, M. (Tuebingen) P189  
 Umansky, V. (Heidelberg) P193  
 Unkelbach, U. (Goettingen) P009 (OP05/05)  
 Uranowska, K. (St. Poelten) P184  
 Uslu, U. (Erlangen) P122
- V**  
 Valentin, F. (Muenster) P092  
 Valesky, E. M. (Frankfurt am Main) P022, P023, P024  
 van Beek, N. (Luebeck) P119  
 van den Boorn-Konijnenberg, D. (Bonn) P137  
 van der Sluis, T. (Magdeburg) P126, P187 (OP03/02), P211  
 Vandeghinste, N. (Mechelen) P128 (OP01/05)  
 Vander Beken, S. (Ulm) P007  
 Varaljaj, R. (Essen) P052 (OP04/02)  
 Vechev, M. (Zurich) P151  
 Veldkamp, W. (Groningen) P153
- Vent, N. (Kiel) P031  
 Vidarsson, G. (Amsterdam) P153  
 Vogel, W. (Luebeck) P202  
 Voglis, S. (Mainz) P042  
 Voigt, M. (Mainz) P196 (OP04/04)  
 Volk, H. (Berlin) P063, P085  
 Volkhardt, A. (Leipzig) P186 (OP06/06)  
 Vollmer, S. (Munich) P120  
 von Ah, S. (Zurich) P171  
 von Ehrlich-Treuenstaett, G. (Magdeburg) P185 (OP05/03)  
 von Kiedrowski, R. (Selters) P101, P103  
 von Podewils, S. (Greifswald) P055  
 von Stebut, E. (Mainz) P054, P134, P173 (OP02/05)  
 Vujic, I. (Vienna) P048, P049
- W**  
 Wachstein, J. (St. Gallen) P096  
 Waelchli, R. (Zurich) P095  
 Wagner, T. (Tuebingen) P194  
 Waisman, A. (Mainz) P042  
 Walter, L. (Erlangen) P051 (OP03/05)  
 Wandel, E. (Leipzig) P043  
 Wang, H. (Shanghai) P093  
 Wang, Y. (Beijing) P168  
 Wanke, F. (Mainz) P042  
 Wegner, J. (Mainz) P118, P134  
 Wehkamp, U. (Kiel) P210  
 Wei, X. (Heidelberg) P132 (OP03/04)  
 Weibel, L. (Zurich) P095  
 Weichenthal, M. (Kiel) P210  
 Weidemann, S. (Tuebingen) P197 (OP03/03), P205  
 Weidinger, S. (Hannover) P101  
 Weidinger, S. (Kiel) P029, P103, P213  
 Weisshaar, E. (Heidelberg) P101, P103, P181  
 Wendlinger, S. A. (Wuerzburg) P195  
 Weninger, W. (Sydney) P203 (OP06/01)  
 Wenzel, J. (Bonn) P159  
 Werfel, T. (Hannover) P004, P103, P138, P141  
 Werfel, T. (Kiel) P101  
 Werner, C. (Leipzig and Dresden) P043  
 Wesseling, M. (Saarbruecken) P016  
 Westermann, J. (Luebeck) P079  
 Wiala, A. (Vienna) P049  
 Wiech, F. (Biberach) P086
- Wieder, T. (Tuebingen) P016, P147, P189, P197 (OP03/03), P198, P205  
 Wiegand, C. (Jena) P010, P011, P167, P169, P170  
 Wiegmann, H. (Muenster) P092  
 Wiendl, H. (Muenster) P136  
 Wild, T. (Dessau) P068  
 Wilden, S. M. (Mainz) P054  
 Wilms, C. (Ulm) P021, P212 (OP01/06)  
 Wilsmann-Theis, D. (Bonn) P159  
 Winkler, F. (Heidelberg) P193  
 Wirth, T. (Ulm) P019  
 Witte, K. (Berlin) P085  
 Witte-Haendel, E. (Berlin) P085, P086, P087, P159, P161  
 Wlaschek, M. (Ulm) P007, P015 (OP05/04), P019, P026, P072  
 Woelfle, U. (Freiburg) P012  
 Wohlfarth, J. (Wuerzburg) P195  
 Wohnhaas, C. (Biberach) P086  
 Wolf, R. (Munich) P064  
 Wolk, K. (Berlin) P085, P087, P159, P161  
 Wollenberg, A. (Munich) P101, P103  
 Worm, M. (Berlin) P037, P101, P103, P175  
 Wu, J. (Berlin) P077 (OP01/04), P117  
 Wu, Z. (Kiel) P018
- Y**  
 Yan, J. (Hangzhou) P018  
 Yancey, K. B. (Dallas) P119  
 Yang, Y. (Mannheim) P201  
 Yawalkar, N. (Bern) P059  
 Yazdi, A. S. (Tuebingen) P129, P166, P198  
 Yu, D. (Uppsala) P126  
 Yu, L. (Berlin) P003  
 Yuan, H. (Philadelphia) P148
- Z**  
 Zanuttigh, E. (Munich) P065  
 Zawar, V. (Nashik) P003  
 Zemann, F. (Regensburg) P089  
 Zender, L. (Tuebingen) P189  
 Zentel, R. (Mainz) P196 (OP04/04)  
 Zhang, H. (Heidelberg) P133  
 Zhang, J. (Boston) P017  
 Zhao, Z. (Beijing) P168  
 Zheng, Y. (Philadelphia) P014 (OP02/04)  
 Ziegler, M. (Zurich) P151  
 Zigrino, P. (Cologne) P002  
 Zillikens, D. (Luebeck) P074, P075 (OP01/01), P082, P088, P099, P106, P109,

## AUTHOR INDEX

P119, P124, P202, P217  
Zimmer, N. (Mainz) P131, P196  
(OP04/04)  
Zimmermann, M. E.  
(Regensburg) P102  
Zimmermann, N. (Dresden) P218  
Zink, A. (Munich) P078, P090,  
P101, P103  
Zoeller, E. (Kaiserslautern) P176  
Zoeller, N. (Frankfurt am Main)  
P022, P023, P024, P171  
Zouboulis, C. C. (Dessau) P067,  
P068, P069, P070, P071, P084  
Zuk, A. (Cologne) P032  
(OP06/05)  
Zwicker, S. (Munich) P064

## KEYWORDS

### A

Acne P061, P067, P068, P069, P084, P085, P087  
Adhesion molecule P034, P133  
Aging P007, P019, P025, P028, P030, P072, P102  
Alopecia P080, P214  
Angiogenesis P176  
Animal models for disease P001 (OP01/03), P028, P034, P044, P091, P093, P116 (OP04/06), P132 (OP03/04), P144 (OP06/02), P162, P168, P171, P185 (OP05/03), P191, P194  
Antigen presenting cell P135  
Antioxidant P147  
Apoptosis P005 (OP02/02), P013 (OP03/06), P016, P023, P071, P139, P176, P197 (OP03/03), P200, P203 (OP06/01), P215  
Arachidonic acid P071  
Atopic dermatitis P004, P006, P029, P039, P046, P078, P085, P094, P101, P103, P110 (OP01/02), P128 (OP01/05), P138, P141, P164, P166, P174, P175, P202, P213, P219  
Autoantibody P003, P106, P108, P109, P119, P124, P132 (OP03/04), P148, P149 (OP04/01), P156  
Autoantigen P119, P120, P132 (OP03/04), P140 (OP02/03), P145

### B

B cell P145, P148, P150, P156, P160  
Bacterial infections P018, P029, P033, P042, P055, P061, P111, P167, P172, P174  
Barrier function P006, P008 (OP06/04), P012, P018, P020, P020, P053, P076, P091, P092, P164, P174  
Basement membrane P072, P124  
Bullous disease P074, P075 (OP01/01), P079, P082, P088, P099, P108, P119, P132 (OP03/04), P140 (OP02/03), P148, P153, P157

### C

Calcium P012, P015 (OP05/04), P016  
cAMP P083  
Carcinogenesis P065

Cell cycle control P203 (OP06/01), P204, P205  
Cell motility P010, P011, P035 (OP05/02), P192  
Chemokine P040, P043, P161, P190, P199, P201  
Collagen P011, P022, P035 (OP05/02), P066, P109  
Contact dermatitis P002  
Contact hypersensitivity P001 (OP01/03), P143, P154 (OP02/01), P155, P158 (OP02/06)  
Corticosteroids P114 (OP05/01)  
Cutaneous T cell lymphoma P058, P151, P208, P210  
Cytokine P003, P029, P031, P037, P039, P041 (OP03/01), P044, P045, P064, P075 (OP01/01), P127, P135, P159, P162, P190, P197 (OP03/03), P205, P208  
Cytokine receptors P172  
Cytomegalovirus P123  
Cytotoxicity P169, P170

### D

Dendritic cell P051 (OP03/05), P135, P136, P147, P158 (OP02/06), P208  
Dermatoendocrinology P046, P065, P067, P068, P069, P070  
Dermis P216  
Desmoglein P074, P145  
Differentiation P027, P114 (OP05/01), P131  
DNA mutation P052 (OP04/02), P093, P097, P100, P115, P178, P218  
DNA repair P025, P030, P178, P188, P212 (OP01/06)

### E

Eccrine gland P028, P050  
Eczema P038, P047, P078, P116 (OP04/06)  
Eosinophil P157  
Epidemiology P094, P102, P103, P105, P181  
Epidermal permeability barrier P006, P021  
Epidermolysis bullosa P096, P098, P109, P149 (OP04/01), P153  
Erythema P179  
Extracellular matrix P014 (OP02/04), P015 (OP05/04), P098, P171, P191, P201

### F

Fatty acid P071

Fibroblast P002, P009 (OP05/05), P010, P011, P014 (OP02/04), P019, P022, P023, P024, P032 (OP06/05), P152, P161  
Fibrosis P009 (OP05/05), P014 (OP02/04), P032 (OP06/05), P053, P066, P107, P113  
Filaggrin P008 (OP06/04), P164, P213  
Fungal therapy, fungus P116 (OP04/06), P167, P168, P169, P170

### G

G protein P141, P177, P185 (OP05/03)  
Gene regulation P064, P065, P070, P086, P180 (OP05/06), P186 (OP06/06)  
Genodermatosis P097  
Genotyping P077 (OP01/04), P093, P094, P095, P099, P194  
Growth factor P032 (OP06/05)

### H

Hair P084, P124, P214, P215, P216  
Herpes simplex P004  
Histamine P003, P138, P141, P160  
History P105  
HLA P099, P120, P140 (OP02/03)  
Hormones P056  
Hyaluronic acid P191

### I

Ichthyosis P092  
IgA P074, P150  
IgE P003, P057, P078, P148, P160  
Immune tolerance P134  
Immunoglobulin P049, P057, P123, P133, P149 (OP04/01), P150, P156  
Inflammation P002, P019, P026, P033, P037, P043, P045, P046, P054, P055, P061, P064, P067, P068, P069, P070, P083, P084, P086, P088, P106, P108, P110 (OP01/02), P113, P116 (OP04/06), P117, P123, P124, P128 (OP01/05), P129, P133, P139, P144 (OP06/02), P147, P152, P161, P169, P172, P175, P206, P216  
Insulin-like growth factor P072  
Integrin P098

Interferon P037, P038, P189, P197 (OP03/03), P198, P205, P218

Interleukin P031, P041 (OP03/01), P044, P075 (OP01/01), P076, P077 (OP01/04), P115, P128 (OP01/05), P139, P144 (OP06/02), P157, P170

## J

Juckreiz/Pruritus P047, P157, P179, P181

## K

Keloid P022, P023  
Keratinocyte P006, P012, P020, P027, P029, P031, P037, P041 (OP03/01), P042, P064, P073, P076, P084, P085, P091, P114 (OP05/01), P129, P138, P139, P159, P165, P170, P172, P175  
Keratins P028, P091, P165

## L

Lamellar bodies P020  
Laminin P035 (OP05/02), P119  
Laser P054  
Leishmania P173 (OP02/05)  
Leukocyte P043, P063, P131  
Lipids P008 (OP06/04), P012, P106, P213  
Lupus erythematosus P089, P218  
Lymphocyte P210  
Lymphoma P036

## M

Macrophage P026, P080, P113, P152, P190, P196 (OP04/04)  
MAP kinase P052 (OP04/02), P184, P195  
Mast cell P057, P088, P130, P168, P202  
Matrix protein P035 (OP05/02)  
Melanoma P034, P040, P051 (OP03/05), P052 (OP04/02), P056, P100, P118, P122, P126, P127, P137, P146, P184, P185 (OP05/03), P186 (OP06/06), P187 (OP03/02), P188, P191, P192, P193, P194, P195, P196 (OP04/04), P199, P201, P202, P203 (OP06/01), P204, P206, P207, P209, P211  
Merkel Cell P200  
Metabolism P007, P017, P207  
Metalloproteinase P002  
Mitochondria P007, P099  
Monocyte P081 (OP04/05), P107, P127, P133

Mouse mutation P164  
Mutation P077 (OP01/04), P097, P098  
Mycosis fungoides P210

## N

Nerve P179  
Neuroendocrinology P050  
Neutrophil P033, P045, P048, P109, P117, P125, P137, P153, P155, P177, P195, P199  
Nitric oxide P016  
NK cell P127, P151, P154 (OP02/01)

## O

Oncogene P188, P192, P211  
Oral cavity P062 (OP04/03)  
Oxygen radicals P007, P017

## P

p53 P021, P188, P200  
Parasites P047, P173 (OP02/05)  
Patch test P154 (OP02/01)  
Pemphigus vulgaris P074, P140 (OP02/03), P145, P156, P217  
Pharmacology P057, P062 (OP04/03), P176, P203 (OP06/01)  
Phosphorylation P192  
Photoprotection P017  
Pigmentation P017, P215  
Polymerase chain reaction P123  
Proliferation P022, P024  
Protease P031, P155  
Protease inhibitors P018, P092  
Pruritus P046, P180 (OP05/06), P181, P182, P183 (OP06/03)  
Psoriasis P027, P038, P041 (OP03/01), P042, P044, P045, P059, P060, P078, P081 (OP04/05), P085, P086, P089, P093, P102, P104, P111, P118, P120, P128 (OP01/05), P134, P142, P144 (OP06/02), P150, P159, P162, P163, P165, P177, P180 (OP05/06)  
Psychology P016  
Public Health P067, P068, P069, P089, P090, P102, P104, P105

## R

Receptors P079, P082, P155, P176, P180 (OP05/06)  
Retinoid P070

## S

Sebaceous glands P071  
Signal transduction P027, P177, P189, P194

Skin equivalent P169  
Skin graft P063, P081 (OP04/05)  
Skleroderma P053, P055, P066, P107, P113  
Squamous cell carcinoma P065  
Stem cell P015 (OP05/04), P021, P026, P072, P125, P214  
Stratum corneum P008 (OP06/04)

## T

T cell P001 (OP01/03), P004, P042, P051 (OP03/05), P058, P062 (OP04/03), P079, P110 (OP01/02), P112, P114 (OP05/01), P115, P120, P121, P122, P126, P130, P131, P134, P136, P137, P142, P143, P160, P163, P198, P210  
TGF-alpha P198  
TGF-beta P009 (OP05/05), P032 (OP06/05), P066, P146  
Th1/Th2 P147, P173 (OP02/05)  
TNF-alpha P013 (OP03/06), P038, P073, P083, P189, P197 (OP03/03)  
Transcription P025, P030, P086, P094  
Transcription factors P009 (OP05/05), P019, P021, P115, P175, P189, P212 (OP01/06)  
Transgenic mice P081 (OP04/05), P196 (OP04/04), P211  
Transglutaminase P092  
Tumor progression P034, P040, P052 (OP04/02), P100, P146, P186 (OP06/06), P190, P193, P196 (OP04/04), P198, P201, P211  
Tumor promoter P100, P129, P212 (OP01/06)  
Tumor suppressor gene P129

## U

Ulcer P055, P171  
Ultraviolet P025, P207, P212 (OP01/06), P218

## V

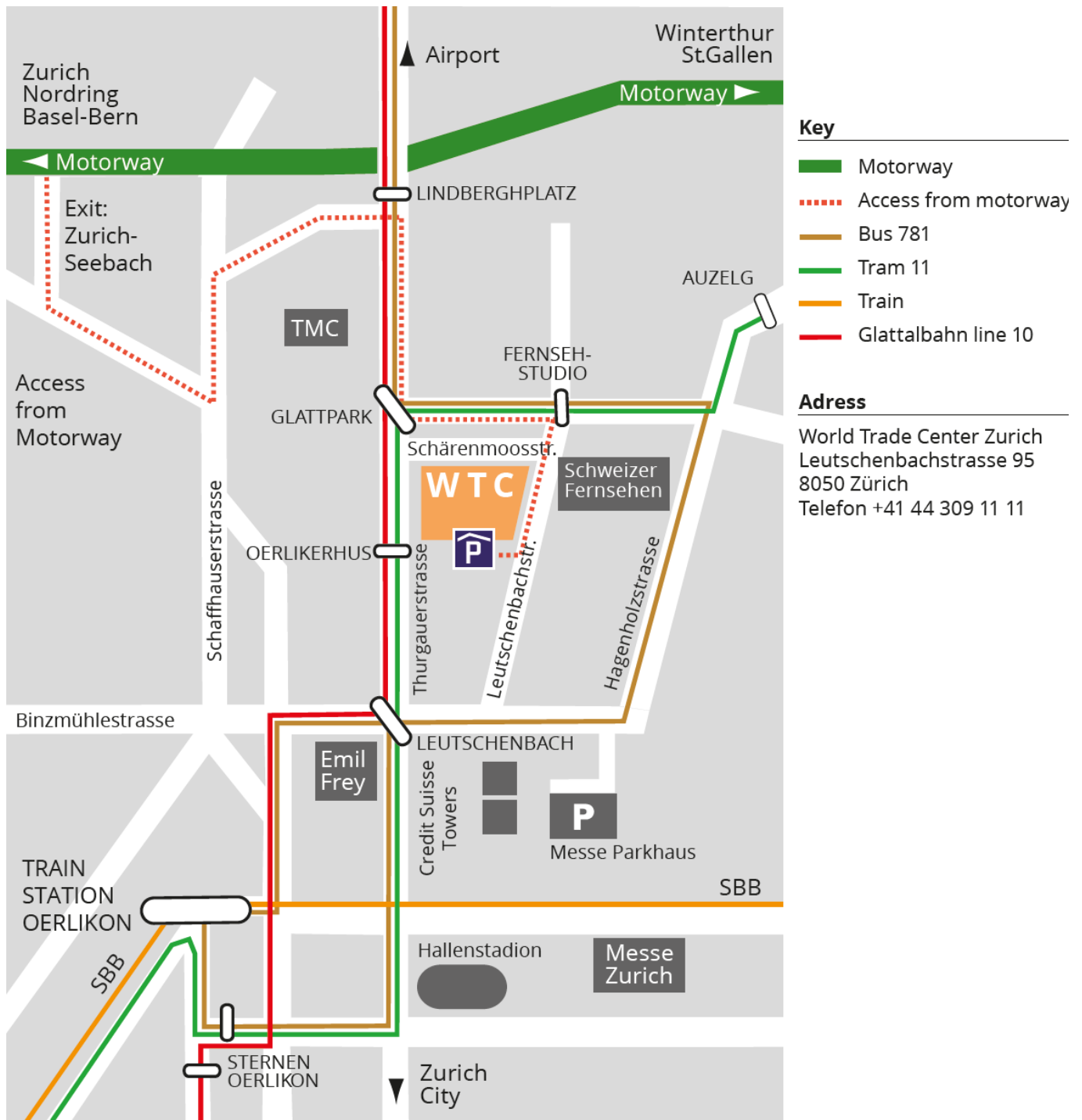
Vaccine P126  
Vasculitis P107  
Virus P004, P130, P187 (OP03/02)  
Vitamin P118

## W

Wound healing P010, P011, P015 (OP05/04), P024, P026, P043, P073, P125, P152, P167

## X

Xeroderma pigmentosum P030, P178



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