



PATHOGENESIS OF PEMPHIGUS AND PEMPHIGOID

The open blister/mind meeting



**Satellite Symposium to the 46th Annual ESDR meeting
5 to 7 September 2016**

Local street map

The meeting takes place in the historical building of the Institute of Anatomy and Cell Biology.

Address: Pettenkoferstrasse 11, 80336 Munich

The meeting venue is located just a few minutes walk south of the central station and is surrounded by several additional public transport stops in walking distance.

The nearest stop is the subway „Sendlinger Tor“, which is also the most convenient way to get to the ESDR meeting. Just take the blue line (U6) direction „Garching Forschungszentrum“ and exit the the train at this stop (final stop) to reach the ESDR meeting.

U subway **S** local train

Central Station (Subway and all trains)
12 min

Subway „Karlsplatz“
15 min

Subway „Theresienwiese“
8 min

Subway „Sendlinger Tor“
5 min

Meeting venue

Welcome

Dear colleagues,

welcome to the “Pathogenesis of Pemphigus and Pemphigoid Meeting (PPP 2016)” which is held as an official satellite symposium of the 46th Annual ESDR meeting in Munich. We hope to create the atmosphere and spirit of previous events on bullous diseases such as the PreIID satellite symposia in Otsu 2008 and Lübeck 2013 and the meetings on pemphigus in Bern 2009 and Marburg 2011. Open and free exchange of ideas and thoughts and discussion on existing and emerging concepts are the basis for research. Thus, we added - the open blister/mind meeting - as a motto for the PPP2016. Since we are a relatively small community, gathering with you is a great pleasure for us. The Munich group is looking forward to present their historic anatomy institute located right in the heart of Munich in walking distance to the main station and numerous hotels. We hope you agree that this fantastic venue is a nice place to harbor a meeting such as the PPP2016.

In the next couple of days we look forward to 25 talks from invited speakers and 21 short talks selected from the 64 abstracts which will be presented as posters. We hope to provide a welcoming and creative atmosphere to advance our understanding on the pathogenesis of autoimmune bullous diseases.

We are happy to welcome you in Munich!



Jens Waschke
Anatomy and Cell Biology,
LMU Munich



Detlef Zillikens
Department of Dermatology,
University of Lübeck



Michael Hertl
Department of Dermatology,
University of Marburg



Volker Spindler
Anatomy and Cell Biology,
LMU Munich



Enno Schmidt
Department of Dermatology,
University of Lübeck



Rüdiger Eming
Department of Dermatology,
University of Marburg

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Scientific Program

Tuesday Sep 6 – Pemphigoid

9:00-10:30 Epidemiology and genetics of pemphigoid diseases

Chairs: Philippe Bernard, Detlef Zillikens

- 9:00 Epidemiology of pemphigoid diseases
Philippe Bernard, University of Reims, France
- 9:20 Expression of BP180 and BP230 in the central nervous system
Allan Seppänen, Helsinki University Hospital, Finland
- 9:40 Gene-environment interaction in pemphigoid diseases
John Baines, Max-Planck-Institute for Evolutionary Biology, Plön, Germany
- 10:00 Increased Bullous Pemphigoid Autoantibody Levels are Associated with More Severe Alzheimer's Disease
Laura Huilaja, University of Oulu, Finland
- 10:10 Prevalence and age distribution of pemphigus and pemphigoid diseases in Germany
Franziska Hübner, University of Lübeck, Germany
- 10:20 T cell receptor repertoire analysis indicates a bifunction role of T cells in Epidermolysis bullosa acquisita
Markus Niebuhr, University of Lübeck, Germany

10:30-11:00 Coffee break

11:00-12:30 Immunopathology of pemphigoid diseases I

Chairs: Wataru Nishie, Enno Schmidt

- 11:00 Immunopathological variants of bullous pemphigoid
Wataru Nishie, Hokkaido University, Sapporo, Japan
- 11:20 IL-17 in bullous pemphigoid
Frank Antonicelli, University of Reims, France
- 11:40 The importance of complement activation in bullous pemphigoid
Hideyuki Ujiie, Hokkaido University, Sapporo, Japan
- 12:00 Loss of C-terminal domain induces neoepitopes on processed collagen XVII
Ellen Toyonaga, Hokkaido University, Sapporo, Japan
- 12:10 A novel mouse model for anti-laminin 332 mucous membrane pemphigoid
Eva Heppe, University of Lübeck, Germany
- 12:20 Role of alpha 6 and beta 4 in the pathogenesis of MMP
Razzaque Ahmed, Tufts University, Boston, USA

12:30-14:00 Lunch break

14:00-16:10 Diagnosis and treatment of pemphigoid diseases and dermatitis herpetiformis

Chairs: Luca Borradori, Jane Setterfield

- 14:00 BLISTER trial: what did we learn.
Karen Harman, University Hospitals of Leicester, UK
- 14:20 Dapsone as a corticosteroid-sparing therapy in bullous pemphigoid: a controlled prospective multicenter trial
Michael Sticherling, University of Erlangen, Germany
- 14:40 Diagnosis of mucous membrane pemphigoid
Jane Setterfield, King's College London, UK
- 15:00 The value of pattern analysis of direct IF microscopy in pemphigoid disorders
Hendri Pas, University of Groningen, The Netherlands
- 15:20 Dermatitis herpetiformis and the role of gluten-free diet in non-celiac gluten sensitivity
Marzia Caproni, University of Florence, Italy
- 15:40 Minimal requirements for diagnosis of cutaneous pemphigoid. Comparative study of direct immunofluorescence, serology and clinical features in 316 patients.
Joost Meijer, University of Groningen, Netherlands
- 15:50 Diagnostic value of laser scanning confocal microscopy in mucous membrane pemphigoid
Katarzyna Wozniak, University of Warsaw, Poland
- 16:00 A multivariant profile ELISA for one-step diagnostics of autoimmune bullous dermatoses
Gabi Ommen, University of Lübeck, Germany

16:10-16:45 Coffee break

16:45-18:15 Immunopathology of pemphigoid diseases II
Chairs: Giovanni Di Zenzo, Hiroshi Shimizu

- 16:45 Epidermolysis bullosa acquisita: a prototypic autoimmune bullous disease
Ralf Ludwig, University of Lübeck, Germany
- 17:05 Preclinical use of anti-inflammatory inhibitors in epidermolysis bullosa acquisita
Hiroshi Koga, Kurume University, Japan
- 17:25 Lipid mediators as drivers of effector cell recruitment in pemphigoid diseases
Christian Sadik, University of Lübeck, Germany
- 17:45 Blocking the activating Fc gamma RIV enhances neutrophil extravasation into the skin in autoantibody-induced cutaneous inflammation
Jennifer Kloeppe, University of Lübeck, Germany
- 17:55 Bullous pemphigoid - Increased activity of eosinophils in blister fluids and peripheral blood
Manuela Gehring, University of Hannover, Germany
- 18:00 Expression of IL-31 in blisters and eosinophils of patients with bullous pemphigoid
Ulrike Raap, University of Hannover, Germany
- 18:05 Contribution of IgE Autoantibodies to the Pathogenesis of Bullous Pemphigoid
Patricia Freire, Medical University of Vienna, Austria
- 18:10 High affinity IgE receptors (FcεRI+) bearing cells in the epidermis of bullous pemphigoid.
Bartłomiej Kwiek, University of Warsaw, Poland

19:00 Poster Session: Science and Wine

Wednesday Sep 7 – Pemphigus

9:00-10:30 **New insights into pemphigus autoimmunity** *Chairs: Michael Hertl, Eliane Müller*

- 9:00 Peripheral tolerance to Dsg3-specific CD4 T cells
Masayuki Amagai, Keio University, Tokio, Japan
- 9:20 T cell involvement in pemphigus - from the human angle
Rüdiger Eming, University of Marburg, Germany
- 9:40 Deep sequencing of the isotype-specific B cell repertoire in pemphigus
Aimee Payne, University of Pennsylvania, Philadelphia, USA
- 10:00 Characterization of IL-21-producing cells in pemphigus vulgaris
Robert Pollmann, University of Marburg, Germany
- 10:15 Novel chimeric immunoreceptors for pemphigus vulgaris (PV) therapy
Christoph Ellebrecht, University of Pennsylvania, Philadelphia, USA

10:30-11:00 **Coffee break**

11:00-12:30 **Desmoglein vs. non-desmoglein autoantibody mechanisms** *Chairs: Andrew Kowalczyk, Marcel Jonkman*

- 11:00 Role of anti-Dsg-antibodies in pemphigus - conclusions from our studies
Jens Waschke, Ludwig-Maximilians-Universität, Munich, Germany
- 11:20 Pemphigus autoimmunity beyond desmogleins
Sergej Grando, University of California Irvine, USA
- 11:40 The impact on HLA on the autoimmune response in PV
Animesh Sinha, University at Buffalo, New York, USA
- 12:00 Desmoglein-specific immunoabsorption abolishes the pathogenic potential of IgG from patients with pemphigus vulgaris
Stephanie Goletz, University of Lübeck, Germany
- 12:15 The soluble form of Fas Ligand plays a pivotal role in blister formation in pemphigus
Carlo Pincelli, University of Modena and Reggio Emilia, Italy
- 12:30 Polyclonal nature of pemphigus foliaceus IgG antibodies enhances pathogenic effect for blister formation in association with p38 MAPK-dependent desmoglein 1 clustering.
Kenji Yoshida, Toho University, Tokyo, Japan

12:45-14:00 **Lunch break**

14:00-16:10 Mechanisms in pemphigus pathogenesis

Chairs: Masayuki Amagai, Aimee Payne

- 14:00 Mechanistic insights in pemphigus pathogenesis from patients' skin
Marcel Jonkman, University of Groningen, The Netherlands
- 14:20 Effects of pemphigus IgG on desmosomal protein organization and function
Andrew Kowalczyk, Emory University, Atlanta, USA
- 14:40 Contributions of steric hindrance and signaling in pemphigus
Volker Spindler, Ludwig-Maximilians-Universität, Munich, Germany
- 15:00 Signaling mechanisms in pemphigus
Eliane Müller, University of Bern, Switzerland
- 15:20 Understanding pemphigus through genetics
Eli Sprecher, Tel Aviv Medical Center, Israel
- 15:40 Loss of flotillin expression results in weakened desmosomal adhesion and Pemphigus vulgaris-like localisation of desmoglein-3 in human keratinocytes
Antje Banning, University of Giessen, Germany
- 15:55 Pemphigus vulgaris autoantibodies cause invaginations of one cell into another
Ena Sokol, University of Groningen, Groningen, The Netherlands

16:10-16:45 Coffee break

16:45-18:15 Consensus session

Bringing together the different views on blister formation in pemphigus
hosted by Carien Niessen, University of Cologne, Germany

Social program

Monday Sep 5

19:00 Get together and Welcome reception

Entrance hall of the Institute of Anatomy and Cell Biology


Wednesday Sep 7


19:15 Dinner at the Hofbräuhaus

The Hofbräuhaus is located at „Platzl“ (Platzl 9, 80331 Munich). Nearest public transport stop is „Marienplatz“, just one subway stop away from „Sendlinger Tor“.


The Hofbräuhaus can also be reached by a splendid 20 min walk from the meeting venue through the inner city.

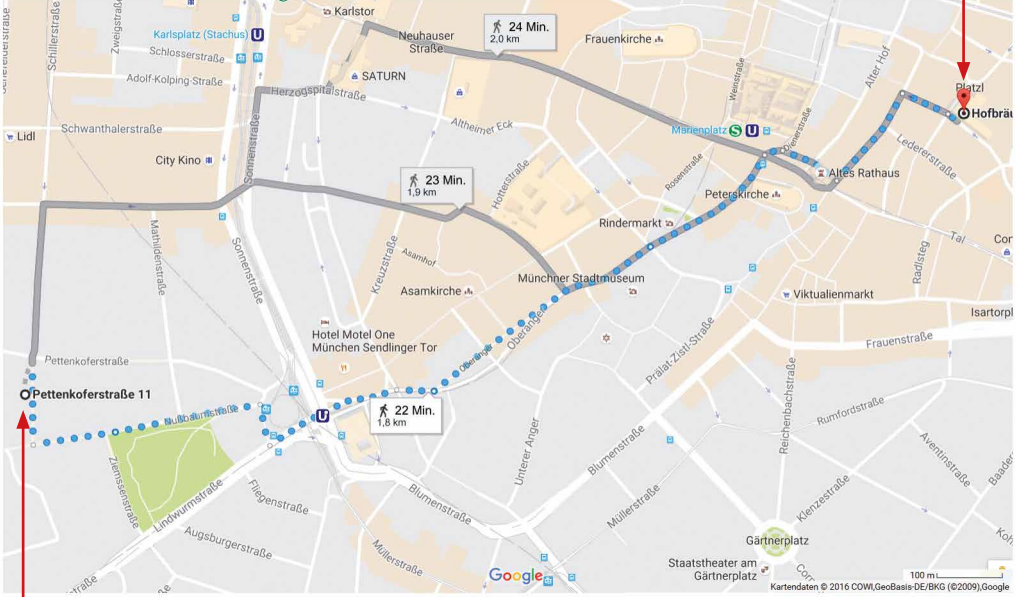
If you want to attend a guided walk, meet us at 18:45 in the entrance hall of the Institute of Anatomy and Cell Biology.



subway


local train

Hofbräuhaus






Meeting venue

Posters

Epidemiology and genetics of autoimmune bullous diseases

POSTER 1

Psychiatric and neurological disorders are associated with bullous pemphigoid – a nationwide Finnish Care Register study

› Anna-Kaisa Försti, Jari Jokelainen, Hanna Ansakorpi, Allan Seppänen, Kari Majamaa, Markku Timonen, Kaisa Tasanen

University of Oulu, Finland and Helsinki University Hospital Kellokoski, Finland

POSTER 2

Increased Bullous Pemphigoid Autoantibody Levels are Associated with More Severe Alzheimer's Disease

› Laura Huilaja, Nina Kokkonen, Sanna-Kaisa Herukka, Merja Kokki, Anne M. Koivisto, Päivi Hartikainen, Anne M. Remes, and Kaisa Tasanen

University of Oulu, Finland and Kuopio University Hospital, Finland

POSTER 3

Prevalence and age distribution of pemphigus and pemphigoid diseases in Germany

› Franziska Hübner, Andreas Recke, Detlef Zillikens, Roland Linder, Enno Schmidt

University of Lübeck, Germany

POSTER 4

Clinical and demographical features of autoimmune bullous diseases: A retrospective analysis of 85 patients

› Ülker Gül, Arzu Kılıç, Seray Külcü Çakmak, Seçil Soylu, Müzeyyen Gönül

Akdeniz University, Antalya, Turkey

POSTER 5

HLA impacts gene expression related to autoimmune activation and protection in Pemphigus

› Dey-Rao, R.; Seiffert-Sinha, K.; Sinha, A.A.

University at Buffalo, NY, USA

Diagnosis, antibody profiles and novel disease entities

POSTER 6

Reappraisal of the histopathological features of pemphigus and pemphigoid

› Chika Ohata, Norito ISHII, Hiroshi KOGA, Takekuni NAKAMA

Kurume University, Japan

POSTER 7

Minimal requirements for diagnosis of cutaneous pemphigoid. Comparative study of direct immunofluorescence, serology and clinical features in 316 patients.

› Meijer JM, De Lang EWG, Diercks GHF, Pas HH, Jonkman MF

University of Groningen, The Netherlands

POSTER 8

BP180 autoimmunity-related localized blistering dermatoses are intellectually challenging for dermatology clinicians: focal cutaneous phenomena have pathogenic relevance

› Marian Dmochowski, Justyna Gornowicz-Porowska, Pawel Bartkiewicz,
Monika Bowszyc-Dmochowska

University School of Medical Sciences, Poznan, Poland

POSTER 9

The effect of endoscopic ear, nose and throat examination on pemphigus severity scoring systems

- › Bilgiç Temel A, Temel I.C, Bostancı Toptaş A, Turhan M2, Bozkurt S, Uzun S
Akdeniz University, Antalya, Turkey

POSTER 10

High prevalence of autoantibodies targeting collagen XVII in mucous membrane pemphigoid

- › Kentaro Izumi, Wataru Nishie, Machiko Nishimura, Hideyuki Ujiie, Hiroaki Iwata, Hiroshi Shimizu
Hokkaido University, Sapporo Japan

POSTER 11

Diagnostic value of linear fluorescence of the basement membrane of sweat ducts in bullous pemphigoid

- › Işın Sinem Bağcı, Orsolya Horváth N, Enno Schmidt, Thomas Ruzicka, Miklós Sárdy
Ludwig Maximilian Universität, Munich, Germany and University of Lübeck, Germany

POSTER 12

Paraneoplastic pemphigus-specific autoantibodies cause various staining patterns on IIF substrates

- › K. Rentzsch, N. Warnemünde, J. Fraune, W. Ockenga, W. Stoecker, K. Fechner
Euroimmun AG, Lübeck, Germany

POSTER 13

Detection of IgG autoantibodies against desmocolin – 3 in Greek patients with pemphigus vulgaris and pemphigus foliaceus

- › Lambropoulos A, Meltzanidou P, Katafigiotis S, Kokolios M, Sotiriadis D, Patsatsi A
Aristotle University of Thessaloniki, Greece

POSTER 14

Multiple target antigens in autoimmune bullous disorders: does the phenotype represent epitope spreading?

- › Lambropoulos A, Meltzanidou P, Katafigiotis S, Lamprou F, Sotiriadis D, Patsatsi A
Aristotle University of Thessaloniki, Greece

POSTER 15

Diagnostic value of laser scanning confocal microscopy in mucous membrane pemphigoid

- › Katarzyna Wozniak, Beata Jakubowska, Cezary Kowalewski
Medical University of Warsaw, Poland

POSTER 16

A multivariant profile ELISA for one-step diagnostics of autoimmune bullous dermatoses

- › Cornelia Daehnrich, Nina van Beek, Nora Johannsen, S. Goletz, J. Dworschak, Wolfgang Schlumberger, Detlef Zillikens, Enno Schmidt
EUROIMMUN AG, Lübeck, Germany and University of Lübeck, Germany

POSTER 17

Pemphigus herpetiformis: clinical, pathologic and immunopathologic features in a series of six patients

- › Drenovska K, Bello U, Broshtilova V, Manuelyan K, Balabanova M, Shahid M, Miteva L, Vassileva S
University Hospital "Alexandrovska", Sofia, Bulgaria

Cell biology of desmosomes, disease pathways in pemphigus

POSTER 18

The soluble form of Fas Ligand plays a pivotal role in blister formation in pemphigus

- › Lotti R., Strasser A., Marconi A., O'Reilly L.A., Pincelli C.
University of Modena and Reggio Emilia, Modena, Italy

POSTER 19

IFN γ and IL-17A producing desmoglein 3 and bullous pemphigoid antigen 180 specific T cells in lichen planus

- › Thomas Schmidt, Ronja Stein, Inna Stulberg, Ansgar Schmidt, Verena Eubel, Peter Kind, Rüdiger Eming, Michael Hertl

Philipps-University Marburg, Germany

POSTER 20

Polyclonal nature of pemphigus foliaceus IgG antibodies enhances pathogenic effect for blister formation in association with p38 MAPK-dependent desmoglein 1 clustering.

- › Kenji Yoshida, Ken Ishii, Shimizu, Mariko Yokouchi, Masayuki Amagai, John R Stanley, Akira Ishiko

Toho University, Tokyo, Japan, Keio University, Tokyo, Japan and University of Pennsylvania, PA, USA

POSTER 21

Characterization of IL-21-producing cells in pemphigus vulgaris

- › Robert Pollmann, Thomas Schmidt, Christian Möbs, Kamran Ghoreschi, Michael Hertl, Rüdiger Eming

Philipps University Marburg, Germany and Eberhard Karls University Tübingen, Germany

POSTER 22

Desmoglein-specific immunoadsorption abolishes the pathogenic potential of IgG from patients with pemphigus vulgaris

- › Jenny Dworschak, Stephanie Goletz, Jana Langenhan, Fanny Weiß, Christian Probst, Lars Komorowski, Wolfgang Schlumberger, Winfried Stöcker, Detlef Zillikens, Enno Schmidt

University of Lübeck, Germany and EUROIMMUN AG, Lübeck, Germany

POSTER 23

Pemphigus autoantibodies induce blistering in human conjunctiva

- › Franziska Vielmuth, Jens Waschke, Volker Spindler

Ludwig Maximilian Universität, Munich, Germany

POSTER 24

Keratin filaments control binding properties of desmosomal cadherins – contribution to loss of cell cohesion in pemphigus?

- › Franziska Vielmuth, Elisabeth Schlögl, Elias Walter, Thomas M. Magin, Fanny Loschke, Jens Waschke, Volker Spindler

Ludwig Maximilian Universität, Munich, Germany and University of Leipzig, Germany

POSTER 25

Desmoglein 3 balances quiescence versus activation in the hair follicle stem cell niche

- › William Hariton, Katja Schulze; Arnaud Galichet; Beyza Sayar; Roman Schwob; Hillard Zyman; Denise Howald; Maja Suter; Eliane J. Müller. (Equal contribution)

University of Bern, Switzerland

POSTER 26

Loss of flotillin expression results in weakened desmosomal adhesion and Pemphigus vulgaris-like localisation of desmoglein-3 in human keratinocytes

- › Frauke Völlner, Jawahir Ali, Nina Kurrle, Yvonne Exner, Rüdiger Eming, Michael Hertl, Antje Banning, Ritva Tikkanen

University of Giessen, Germany, Philipps University of Marburg, Germany and Goethe University Medical School, Frankfurt am Main, Germany

POSTER 27

p38MAPK signalling contributes to blistering and reduction of desmosome size induced by pemphigus autoantibodies in human epidermis.

- › Egu D., Spindler V., Waschke J.

Ludwig Maximilian Universität, Munich, Germany

POSTER 28

Autoantibody profiles determine signaling patterns and loss of keratinocyte cohesion in pemphigus

- › Elias Walter, Franziska Vielmuth, Lukas Rotkopf, Miklos Sardy, Matthias Göbeler, Enno Schmidt, Rüdiger Eming, Michael Hertl, Volker Spindler, Jens Waschke

Ludwig Maximilian Universität, Munich, Germany; University of Würzburg, Germany; University of Lübeck, Germany and Philipps University of Marburg, Germany

POSTER 29

Pemphigus vulgaris autoantibodies cause invaginations of one cell into another

› E.Sokol, M. Nijenhuis, D.Kramer, M.F. Jonkman, B.N.G. Giepmans and H.H.Pas

University of Groningen, The Netherlands

POSTER 30

Circulating plasmablasts exhibit increased antibody diversity in pemphigus vulgaris

› Andreas Recke, Julia Bischof, Wenzhao Meng, Christoph Arolt, Friederike Baden, Bochao Zhang, Tillman Vollbrandt, Regine Gläser, Rudolf Manz, Detlef Zillikens, Uri Hershberg, Eline T. Luning Prak, Enno Schmidt, and Saleh M. Ibrahim

University of Lübeck, Germany; University of Pennsylvania, Philadelphia, USA; Drexel University, Philadelphia, USA; University of Lübeck, Germany

POSTER 31

Functional effects of anti-thyroid peroxidase antibodies on Pemphigus vulgaris-linked keratinocyte signaling and cell-adhesion

› Sajda, T., Seiffert-Sinha K., Sinha A.A.

University at Buffalo, NY, USA

Cell biology of hemidesmosomes, disease pathways in pemphigoid

POSTER 32

IL-17A governs tissue destruction in bullous pemphigoid

› Lenche Chakievska, Sreeja Roy, Sabrina Tofern, Stephanie Goletz, Detlef Zillikens, Christoph Hölscher, Enno Schmidt, Franziska S. Schulze

University of Lübeck, Germany and Research Center Borstel, Germany

POSTER 33

Loss of C-terminal domain induces neoepitopes on processed collagen XVII.

› Ellen Toyonaga, Wataru Nishie, Kentaro Izumi, Hideyuki Ujiie, Hiroshi Shimizu

Hokkaido University, Sapporo, Japan

POSTER 34

Contribution of IgE Autoantibodies to the Pathogenesis of Bullous Pemphigoid

› Patricia Freire, Peter Heil, Georg Stingl

Medical University of Vienna, Austria

POSTER 35

Effect of a classical pathway specific inhibitor on bullous pemphigoid sera-induced complement activation

› Anika Kasprick, Ralf J. Ludwig, Cindy Hass, Claudia Kauderer, Enno Schmidt, Frank Petersen, Sandip Panicker

University of Lübeck, Germany; Research Center Borstel, Germany and True North Therapeutics, San Francisco, CA, USA

POSTER 36

High affinity IgE receptors (FcεRI+) bearing cells in the epidermis of bullous pemphigoid.

› Bartłomiej Kwiek, Anna Leśniewska, Cezary Kowalewski, Katarzyna Woźniak

Medical University of Warsaw, Poland

POSTER 37

Bullous pemphigoid - Increased activity of eosinophils in blister fluids and peripheral blood

› Manuela Gehring, Judith Engmann, Urda Rüdrieh Phd, Eleni Papakonstantinou MD, Alexander Kapp MD, Ulrike Raap MD

Hannover Medical School, Hannover, Germany

POSTER 38

Expression of IL-31 in blisters and eosinophils of patients with bullous pemphigoid

› Urda Rüdrieh PhD, Manuela Gehring, Eleni Papakonstantinou MD, Anja Rabenhorst PhD, Judith Engmann, Alexander Kapp MD, Karin Hartmann MD, Ulrike Raap MD

Hannover Medical School, Hannover, Germany; University of Cologne, Germany and University of Lübeck, Germany

POSTER 39

A novel mouse model for anti-laminin 332 mucous membrane pemphigoid

- › Eva Nina Heppe, Franziska S. Schulze, Akira Ishiko, Sabrina Tofern, Detlef Zillikens, Stephanie Goletz, and Enno Schmidt

University of Lübeck, Germany and Toho University Tokyo, Japan

POSTER 40

Dipeptidyl peptidase-IV inhibitor-associated bullous pemphigoid autoantibodies preferentially target the non-NC16A extracellular domain of collagen XVII

- › Yosuke Mai, Kentaro Izumi, Wataru Nishie, Hiroshi Shimizu

Hokkaido University, Sapporo Japan

POSTER 41

Contribution of IgG linked sugars to autoimmunity

- › Yannic Bartsch, Simon Eschweiler and Marc Ehlers

University of Lübeck, Germany

POSTER 42

Role of Human $\beta 4$ in the pathogenesis of mucous membrane pemphigoid

- › A. Razzaque Ahmed, MD, DSc

Tufts University School of Medicine, Boston, MA USA

POSTER 43

Role of $\alpha 6$ integrin subunit in pathogenesis of oral pemphigoid

- › A. Razzaque Ahmed, MD, DSc

Tufts University School of Medicine, Boston, MA USA

POSTER 44

Reduced skin blistering in experimental epidermolysis bullosa acquisita after anti-TNF treatment

- › Anika Kasprick, Misa Hirose, Unni KJSRL Samavedam, Jennifer E. Kloepper, Kathrin Kalies, Detlef Zillikens, Ralf J. Ludwig, Katja Bieber

University of Lübeck, Germany

POSTER 45

T cell receptor repertoire analysis indicates a bifunction role of T cells in Epidermolysis bullosa acquisita

- › Markus Niebuhr, Anke Fähnrich, Sebastian Maass, Steffen Möller, Ralf Ludwig, Jürgen Westermann and Kathrin Kalies

University of Lübeck, Germany and University of Rostock, Germany

POSTER 46

SYK is a key regulator of autoantibody-induced skin inflammation

- › Unni K. Samavedam, Nina Mitschker, Anika Kasprick, Katja Bieber, Enno Schmidt, Tamas Laskay, Andreas Recke, Gestur Vidarsson, Franziska S. Schulze, Mikko Armbrust, Katharina Schulze Dieckhoff, Hendri H. Pas, Marcel F. Jonkman, Kathrin Kalies, Detlef Zillikens, Yask Gupta, Saleh M. Ibrahim and Ralf J. Ludwig

University of Lübeck, Germany; Sanquin Research Institute, Amsterdam, The Netherlands and University of Groningen, The Netherlands

POSTER 47

Drug re-purposing identifies B-cell modulatory compounds within a commercially available chemical library; potential therapeutics in autoimmune disorders.

- › K. Matsumoto, K. Bieber, S. Ghorbanalipoor, S. Ibrahim, D. Zillikens¹, R. Ludwig

Universität of Lübeck, Germany

POSTER 48

Blocking the activating Fc gamma RIV enhances neutrophil extravasation into the skin in autoantibody-induced cutaneous inflammation

› Jennifer E. Kloepper, Mario Pieper, Falk Nimmerjahn, Detlef Zillikens, Peter König, Ralf J. Ludwig

Universität of Lübeck, Germany and University of Erlangen-Nuremberg, Germany

POSTER 49

Effects of lymphocyte-derived IL-10 on the effector phase of experimental epidermolysis bullosa acquisita

› Ann-Katrin Clauder, Upasana Kulkarni, Katja Bieber, Ralf J. Ludwig, Rudolf A. Manz

Universität of Lübeck, Germany and University of Tübingen, Germany

Outcome measures, novel treatments and case reports

POSTER 50

Increased Relapses and Complications in Pemphigus Patients Treated by the Same Physicians in a Public Safety Net Versus a Private University Healthcare System

› Olivia Lai, Michael Kasperkiewicz, Anna Betlachin, Lingyun Ji, Susan Groshen, David Woodley

University of Southern California, Los Angeles, CA, United States and Universität of Lübeck, Germany

POSTER 51

Chinese version of the treatment of autoimmune bullous disease quality of life (TABQOL) questionnaire: reliability and validity

› Guo Chen, Baoqi Yang, Zhaoxia Zhang, Qing Yang, Xiaoxiao Yan, Dédée F. Murrell, Furen Zhang

University of Jinan-Shandong Academy of Medical Sciences, Jinan, Shandong, China and University of New South Wales, Sydney, Australia

POSTER 52

No response to rituximab in a case of mucosal-dominant to and fro mucocutaneous shifting pemphigus vulgaris previously treated with a range of more traditional anti-pemphigus therapies: clinical hint relevant to pemphigus pathogenesis

- › Pawel Bartkiewicz, Justyna Gornowicz-Porowska, Monika Bowszyc-Dmochowska, Anna Swirkowicz, Marian Dmochowski

University School of Medical Sciences, Poznan, Poland

POSTER 53

IgG4-dominant bullous pemphigoid without complement activation

- › T Dainichi, W Nishie, Y Yamagami, H Sonobe, H Ujiie, Y Kaku, K Kabashima

University Kyoto, Japan and Hokkaido University, Sapporo, Japan

POSTER 54

Evaluation of a clinical score for the newly established mouse model of anti-laminin-332 mucous membrane pemphigoid

- › Sabrina Tofern, Eva Nina Heppe, Detlef Zillikens, Franziska S. Schulze, Enno Schmidt

University of Lübeck, Germany

POSTER 55

Successful treatment of a bullous pemphigoid patient with rituximab who was refractory to corticosteroid and omalizumab treatments

- › Bilgiç Temel A, Bassorgun C.I, Akman-Karakaş A, Alpsoy E, Uzun S

Akdeniz University, Antalya, Turkey

POSTER 56

Efficacy and safety of perilesional/intralesional triamcinolone injections of oral mucous membrane pemphigoid

- › Agnieszka Kalinska-Bienias, Monika Kalowska, Bartłomiej Kwiek, Beata Jakubowska, Norito Ishii, Takashi Hashimoto, Cezary Kowalewski, Katarzyna Wozniak

University of Warsaw, Poland and Kurume University, Japan

POSTER 57

Novel chimeric immunoreceptors for pemphigus vulgaris (PV) therapy

- ▶ CT Ellebrecht, VG Bhoj, A Nace, MJ Cho, X Mao, JT Seykora, G Cotsarelis, MC Milone, AS Payne
University of Pennsylvania, PA, USA

POSTER 58

Bullous Pemphigoid development in a hemodialysis patient.

- ▶ K. Osipowicz, A. Kalinska-Bienias, C. Kowalewski, K. Wozniak
University of Warsaw, Poland

POSTER 59

Assessment of the quality of life of Egyptian and Tunisian autoimmune bullous diseases' patients

- ▶ Marwah Adly Saleh, Inés Zaraa, Nejib Doss, Noha Adly Saleh and Dedee F. Murrell
Cairo University, Egypt; La Rabta Hospital, Tunis, Tunisia; Université de Tunis El Manar-Military Hospital Tunisia and University of New SouthWales, Sydney, Australia

POSTER 60

Mucous membrane pemphigoid with severe stricture of esophagus mediated by IgG and IgA autoantibodies to LAD-1

- ▶ Beata Jakubowska, MD, Cezary Kowalewski, MD, PhD, Norito Ishii, MD, Takashi Hashimoto, MD, PhD, Mariusz Fraczek, MD, PhD, Agnieszka Kalinska-Bienias, MD, PhD, Jacek Sobocki, MD, Katarzyna Wozniak, MD, PhD
University of Warsaw, Poland and Kurume University, Japan

POSTER 61

Quality of life in patients with autoimmune bullous diseases assessed by ABQOL and TABQOL questionnaires – the Greek validation study

- ▶ Patsatsi A, Kokolios M, Lamprou F, Stylianidou D, Murrell D, Sotiriadis D
Aristotle University of Thessaloniki, Greece and University of New South Wales, Sydney, Australia

POSTER 62

Novel Therapies for Pemphigus Vulgaris Patients: a Signaling-based Approach

› Beyza S. Sayar, Arnaud Galichet; Eliane J. Müller

University of Bern, Switzerland

POSTER 63

Life-threatening course of pemphigus vulgaris complicated by sepsis

› Ágnes Kinyó, Krisztián Schaig, Anna Bátor, Alíz Gyimesi, Livia Szélig, Csaba Csontos,
Zoltán Knausz, Csaba Gyömörei, Enikő Telegdy, Rolland Gyulai

University of Pécs, Hungary and Markusovszky Hospital, Szombathely, Hungary

POSTER 64

Pemphigus erythematous

› Ülker Gül, Aylin Okçu Heper

Akdeniz University, Antalya, Turkey

Map of public transport

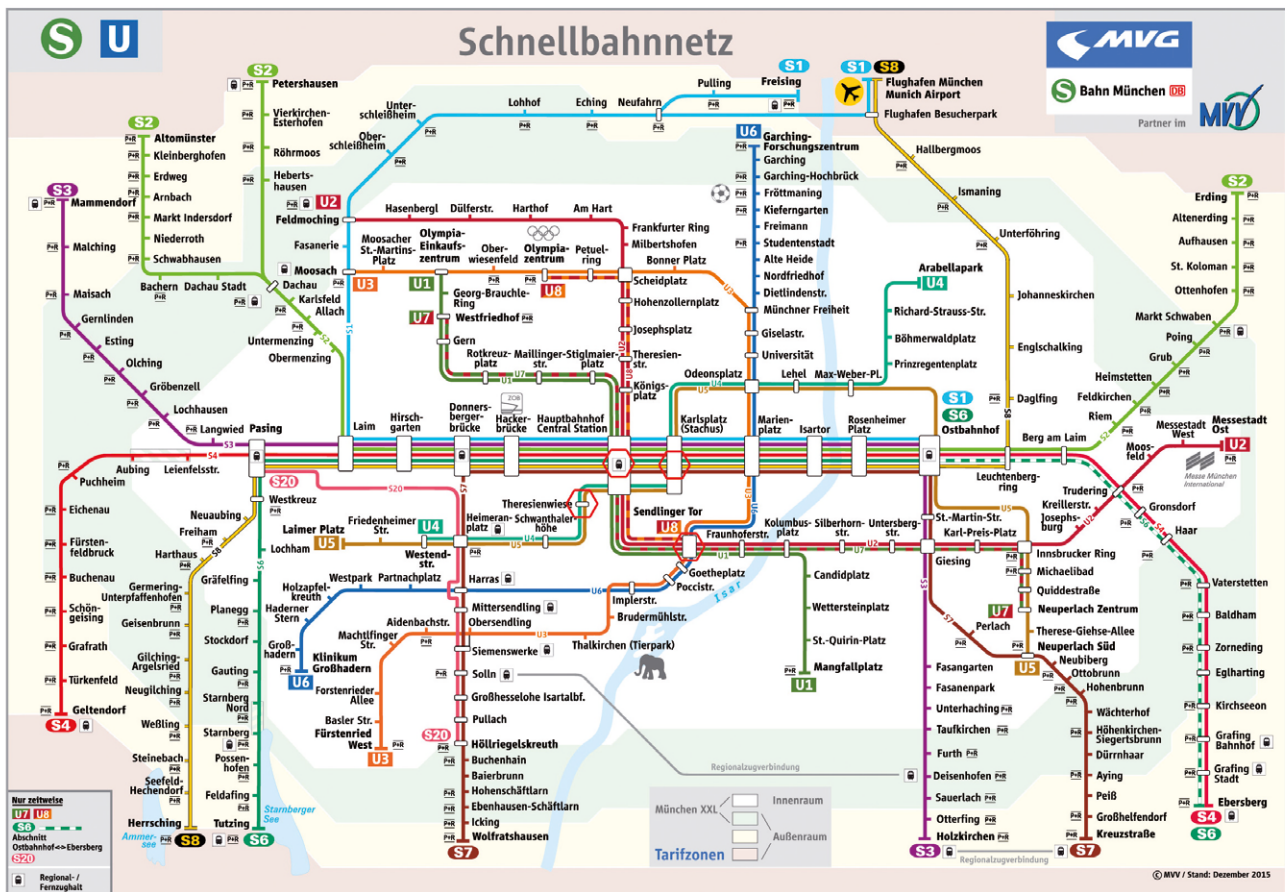
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○ Nearest stops to the meeting venue (see pg. 2)

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