

**51. ADF-Tagung
12.-15.03.2025
Berlin**

Fachbereich Medizin

**Klinik für
Dermatologie und Allergologie**

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Marburg, 28. Februar 2025

Meeting of the ADF Working Group (WG) 02: Autoimmune blistering skin diseases

Thursday, 13.03.2025, 08:30-12:30 FU Berlin, Habelschwerdter Allee 45, 14195 Berlin-Dahlem
The meeting room will be announced at the ADF website.

Indicated time slots of max. 12 minutes include presentation (8 minutes, English) and discussion (4 minutes).

8:30 – 8:40 **Welcome**
Christoph Hudemann, Christoph Hammers
Marburg, Basel

Ex-vivo experimentation

8:40 – 8:52 **Investigating pathogenicity of a N-terminal BP230 autoantibody in human skin models**
S. Johannisson, T. Ramcke, B. Sauer, B. Fehrenbacher, B. Schittek, E. Hadaschik, A. Enk
Heidelberg, Tübingen, Essen

8:52 – 9:04 **Standardized diagnosis of pemphigoid diseases with serum autoantibodies against the dermal side of salt-split skin by indirect immunofluorescence microscopy**
S. Patzelt, K. Drenovska, C. Kiehne, C. Probst, L. Komorowski, S. Mindorf, E. Schmidt, S. Goletz
Lübeck, Sofia

9:04 – 9:16 **Monoclonal 2G4 Antibody Fab Fragments Facilitate Cryogenic Electron Microscopy in Pemphigus Research**
M. Sahre, A. Kumar, A. Zakrzewicz, R. Tikkanen, J. Schuller, C. Hudemann
Marburg, Gießen

9:16 – 9:28 **Correlation of Transcriptomic and Protein Changes with Split Formation and Cell Detachment in a 3D Skin Model for Pemphigus Vulgaris**
V. Hartmann, S. Guo, A. Künstner, C. Hammers, H. Busch, J. Hundt
Lübeck, Regensburg

In-vivo experimentation

- 9:30 – 9:42 Targeting ERK5 in Epidermolysis bullosa acquisita: a novel approach to modulating neutrophil-mediated autoimmunity**
S. Draeger, M. Schlotfeldt, L. Voss, S. Johannisson, M. Radziewitz, A. Schneider, C. Osterloh, N. Gross, A. Kasprick, N. Ernst, A. Lux, R. Ludwig, K. Bieber
Lübeck, Erlangen
- 9:42 – 9:54 The leukotriene B4 receptor BLT1 on neutrophils is essential for mucocutaneous lesions in a mouse model of anti-laminin-332 mucous membrane pemphigoid**
S. Murthy, T. Bremer, S. Patzelt, P. Schilf, S. Gonther, M. Neumann, E. Schimdt, C. Sadik
Lübeck
- 9:54 – 10:06 In depth characterization of the lupus pre-disease phase in mice**
S. Stenger, T. Romina Stilla, S Pichlo, L Li, L Kreutzfeld, S Biswas, R Manz, K Bieber, R Ludwig, J. Buhre, S. Lehrian, M Ehlers, A Künstner, T Lange, JE Hundt
Lübeck, Berlin
- 10:06 – 10:18 Bullous pemphigoid develops independently of DAP12**
M. Pigors, M. Brudey, S. Patzelt, E. Schmidt
Lübeck
- 10:18 – 10:30 Pretreatment with the foreign protein Ovalbumin emulsified in the adjuvant combination TiterMax/Alum prevents pathogenesis in the murine immunization-induced model for Epidermolysis bullosa acquisita**
F. Bahreini, K. Bieber, C. Hammers, M. Ehlers, A. Vorobyev, J. Westermann, K. Kalies
Lübeck
- 10:30 – 10:42 B cells in PV mouse model and PV patients**
S. Riaz, M. Hertl, CL. Zimmer, C. Hudemann
Marburg

Break

Human studies

- 11:00 – 11:12 Assessment of skin inflammatory biomarkers in dermal interstitial fluid collected with hollow microneedles in response to skin provocation**
H. Gao, N. Shi, A. Engman, P. Rangsten, C. Vera-Ayala, M. Renlund, J. Scheffel
Berlin, Kista
- 11:12 – 11:24 Cellular and Molecular Immunoprofiling of Lupus Panniculitis: Elucidating the Roles of Cytotoxic T Cells, B Cells, and Complement Activation**
M. Ameri, R. Ziadlou, E. Contassot, N. Li, E. Maverakis, S. Traidl, M. Brueggen
Zürich, Basel, Davis, Hannover
- 11:24 – 11:36 Bullous pemphigoid is associated with increased Th17.1 cells in peripheral blood and Th2 cytokines in skin**
E. Bodner, F. Hilke, F. Solimani, A. Deland, A. Mesas-Fernandez, K. Meier, K. Ghoreschi
Berlin
- 11:36 – 11:48 Skin-infiltrating T and B cells in the pathogenesis of pemphigoid diseases**
R. Atallah, S. Schacht, B. Wijaya, L. Bauer, J. Wehrenberg, G. Heine, A. Hutloff
Kiel
- 11:48 – 12:00 Risk of blindness in a global cohort of patients with mucous membrane pemphigoid**
H. Olbrich, S. Patzelt, CD. Sadik, E. Schmidt, RJ. Ludwig
Lübeck

12:00 – 12:12 Immune profiling of desmoglein 3-reactive T helper cells in pemphigus vulgaris

J. Hinterseher, BB. Berg, M. Hertl

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12:12 – 12:24 Immunological results of a phase 1 trial in pemphigus vulgaris (TPV11) - an update C.

Möbs for the study group

Marburg

Closing remarks