

Meeting of the ADF Working Groups: *Atopic Dermatitis and Skin Barrier*

Thursday, 13.03.2025, 09:30-12:30

Freie Universität Berlin, Habelschwerdter Allee 45, 14195 Berlin-Dahlem
The meeting room will be announced at the ADF website.

The indicated times include talk (12 minutes) and discussion (3 minutes).

- 09:30** **Welcome**
Stephan Weidinger, Leopold Eckhart
Kiel, Vienna
- 09:30 – 09:45** **Gas plasma-enhanced transdermal drug delivery is paralleled by partial skin lipid and protein expression and oxidation modifications**
K. Wende, P. Marx, J. Striesow, P. Lopalco, T. von Woedtke, S. Bekeschus
Greifswald, Rostock
- 09:45 – 10:00** **Tyrothricin strengthens cutaneous innate defense**
V. Seega, F. Rademacher, N. Heinemann, R. Glaeser, A. Rademaekers, J. Harder
Kiel
- 10:00 – 10:15** **ABCB5+ MSCs from old adults fail to elicit multilayered microbicidal functions to control gram negative bacteria**
P. Haas, K. Singh, S. Schatz, P. Maity, S. Munir, Y. Wang, J. Cheng, M. Aghapour Ask, A. Basu, D. Crisan, R. Bauer, S. Mauerer, B. Spellerberg, C. Ganss, M. Wlaschek, A. Kluth, K. Scharffetter-Kochanek
Ulm, Heidelberg
- 10:15 – 10:30** **The antimicrobial protein RNase 7 directly restricts herpes simplex virus infection of human keratinocytes**
K. Doehner, J. Zeitvogel, I. Klug, Z. Liu, C. Torres, F. Rademacher, R. Glaeser, B. Sodeik, J. Harder, T. Werfel
Hannover, Kiel
- 10:30 – 10:50** **Coffee break**
- 10:50 – 11:05** **NOD2-induced I κ B ζ mediates a protective host response against epicutaneous *Staphylococcus aureus* infection**
B. Fischer, A. Kolb, M. Klein, T. Kuebelbeck, E. Focaccia, D. Loeck, F. Bork, F. Engelmann, E. Mazza, A. Weber, M. Wittmann, V. Heissmeyer, B. Schitteck, K. Schulze-Osthoff, D. Kramer
Mainz, Tübingen, Munich
- 11:05 – 11:20** **IL-18 activates human Th2 cells in atopic dermatitis**
S. Schaerli, F. Luther, T. Werfel, J. Thyssen, S. Eyerich, M. Gilliet, N. Bertschi, C. Schlapbach
Bern, Hannover, Hellerup, Munich, Lausanne

- 11:20 – 11:35** ***S. aureus* as a potential predictor of therapy response to baricitinib – Skin microbiome response of adult patients with moderate-to-severe atopic dermatitis under therapy with baricitinib over 12 weeks in a real world setting**
N. Engelbert, L. Klepper, M. Bhattacharyya, M. Reiger, A. Neumann, C. Rhyner, M. Schmitz, N. Herrmann, R. Havenith, A. Bamarni, D. Bouschery, . CK-CARE study group, T. Bieber, C. Traidl-Hoffmann, L. Maintz, C. Huelpuesch
Augsburg, Davos, Bonn, Freiburg
- 11:35 – 11:50** **Robust prediction of long-term disease course in atopic dermatitis employing machine learning**
I. Bermudez-Perez, I. Harder, M. Huebenthal, E. Rodriguez, D. Stoelzl, U. Mrowietz, . The ImmUniverse Consortium, S. Weidinger, R. Haesler
Kiel, Munich
- 11:50 – 12:05** **The hair canal serves as an EGFR-regulated antimicrobial gatekeeper**
L. Artner-Gent, R. Jin, D. Krauss, K. Strobl, J. Silva, T. Chontorotzea, J. Klufa, B. Hausmann, D. Berry, J. Strobl, G. Stary, J. Broesalem, P. Starkl, T. Bauer, M. Sibilica
Vienna
- 12:05– 12:30** **Discussion**