

- Programm -

16. Treffen der Arbeitsgruppe Dermato-Endokrinologie e. V. (ADE e.V.)*

**der Arbeitsgemeinschaft Dermatologische Forschung e.V.(ADF e.V.)
der Deutschen Dermatologischen Gesellschaft (DDG)**

**Mittwoch, den 08.03.2017
Göttingen**

**Zentrales Hörsaalgebäude, Hörsaal ZHG 02
Platz der Göttinger Sieben 5, 37073 Göttingen
Die Konferenz-Sprache ist Englisch/ Deutsch **
[The conference will be held in English/ German]**

* Fortbildungspunkte sind bei der Ärztekammer Westfalen-Lippe beantragt.

**** There was a majority vote for the following regulation:**

Die Vortragsdias sollen auf Englisch erstellt werden. Wer deutschsprachig ist, kann den Vortrag auf Deutsch oder Englisch halten. Die Diskussion wird dann in der vom Vortragenden gewählten Sprache gehalten. Wer selbst nur Englisch spricht, kann alles auf Englisch halten.

[The slides of the talk should be in English; German-speaking presenters can make the oral presentation of the talk in German or English. The discussion is then in the language, the presenter has chosen for his talk. Who only speaks English can make everything in English.]

9:00 – 9:30

Registration

9:30

Welcome:

Ronald Wolf (Speaker AG ADE)

Agatha Stegemann (Vice-Speaker AG ADE)

9:35 Molecular pathogenesis of hidradenitis suppurativa/acne inversa (7+3 min)

C. C. Zouboulis¹, A. M. Hossini¹, N. Bonitsis¹, D. Almansouri¹, E. Makrantonaki^{1,2}

¹ Dessau Medical Center, Departments of Dermatology, Venereology, Allergology and Immunology, Dessau, Germany, ² University of Ulm, Department of Dermatology and Allergic Diseases, Ulm, Germany

9:45 UVR-mediated decrease of epidermal proliferation/differentiation is inhibited by melatonin and its metabolites AFMK and AMK (7+3 min)

T. W. Fischer¹, K. Kleszczynski¹, M. Stegmann¹, N. Kruse¹, D. Zillikens¹

¹ University of Lübeck, Department of Dermatology, Allergology and Venereology, Lübeck, Germany

9:55 Vitamin D-dependent caspase-5 facilitates ASC-independent IL-1 β production by epidermal keratinocytes (7+3 min)

E. Hattinger¹, R. Wolf²

¹ Department of Dermatology and Allergology, Ludwig-Maximilian-University Munich, Germany, ² Department of Dermatology, Philipps University Marburg, Germany

10:05 Insights into the Mechanism of Action of Insulin-like Growth Factor-1 and Insulin in Human T Cells in vitro (7+3 min)

Y. Mirdamadi¹, A. Thielitz¹, A. Goihl², K. Guttek², C. C. Zouboulis³, D. Reinhold², U. Bommhardt², S. R. Quist¹, H. Gollnick¹

¹ Otto-von-Guericke-University Magdeburg, Department of Dermatology and Venereology, Magdeburg, ² Otto-von-Guericke-University Magdeburg, Institute of Molecular and Clinical Immunology, Magdeburg, ³ Dessau Medical Center, Departments of Dermatology, Venereology, Allergology and Immunology, Dessau

10:15 Insights into the Mechanism of Action of Isotretinoin in Human Sebocytes in vitro (7+3 min)

Y. Mirdamadi¹, A. Thielitz¹, A. Wiede¹, A. Goihl², C. C. Zouboulis³, D. Reinhold², U. Bommhardt², S. R. Quist¹, H. Gollnick¹

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10:25 Myeloid cell-restricted Insulin/IGF-1 receptor deficiency protects against skin inflammation (7+3 min)

J. Knüver¹, S. Willenborg¹, X. Ding¹, M. Akyüz^{1,2}, L. Partridge^{2,4}, C. Niessen^{1,2,3}, J. Brüning^{2,3}, S. Eming^{1,2,3}

¹ Dept. of Dermatology, University of Cologne, Cologne, Germany, ² Cologne Excellence Cluster on Cellular Stress Responses in Aging-Associated Diseases (CECAD), University of Cologne, Germany, ³ Center for Molecular Medicine Cologne (CMMC), University of Cologne, Germany, ⁴ Max Planck Institute for Biology of Ageing, Cologne, Germany

10:35 Effects of extracellular calcium and 1,25 dihydroxyvitamin D3 on sebaceous gland cells in vitro and in vivo (7+3 min)

C. C. Zouboulis¹, H. Seltmann¹, M. Abdel Naser¹, A. M. Hossini¹, G. K. Menon², R. Kubba³

¹ Dessau Medical Center, Departments of Dermatology, Venereology, Allergology and Immunology, 06847 Dessau, Germany, ² ASI Corporation, Bridgewater, U.S.A., ³ Kubba Clinic, Delhi Dermatology

Group, New Delhi, India

10:45 – 11:00 Coffee Break

11:00 Sebaceous lipids are essential for water repulsion, protection against UVB-induced apoptosis and ocular integrity in mice (7+3 min)

M. Dahlhoff¹, E. Camera², M. Schäfer³, D. Emrich⁴, D. Riethmacher^{5,6}, A. Foster⁷, R. Paus⁷, M.R. Schneider¹

¹ Institute of Molecular Animal Breeding and Biotechnology, Gene Center, LMU Munich, Germany, ² Laboratory of Cutaneous Physiopathology and Integrated Center of Metabolomics Research, San Gallicano Dermatologic Institute, IRCCS, Rome Italy, ³ Institute of Molecular Health Sciences, ETH Zurich, Switzerland, ⁴ Institute of Veterinary Pathology, Center for Clinical Veterinary Medicine, LMU Munich, Germany, ⁵ School of Medicine, Nazarbayev University, Astana Kazakhstan, ⁶ Human Development and Health, Faculty of Medicine, University of Southampton, UK, ⁷ Centre for Dermatology Research, Institute of Inflammation and Repair, University of Manchester, Manchester, UK

11:10 A Compensating Skin Care Complex Containing Pro-xylane in Menopausal Women: Results from a Multicentre, Evaluator-blinded, Randomized Study (7+3 min)

A. Boulouc¹, E. Roo², A. Moga³, B. Chadoutaud⁴, C. C. Zouboulis⁵

¹ Vichy Laboratoires, France, ² Department of Dermatology Hospital Sur, Madrid, Spain, ³ Synelvia SAS, Labège, ⁴ Clinreal Online, Toulouse, France, ⁵ Departments of Dermatology, Venerology Allergology and Immunology, Dessau Medical Center, Dessau, Germany

11:20 Induced pluripotent stem cell-derived neuronal cells from a sporadic Alzheimer's disease donor as a model for investigating AD-associated gene regulatory networks (7+3 min)

A. M. Hossini¹, M. Megges^{2,5,6}, A. Prigione^{2,8}, B. Lichtner², M. R. Toliat³, W. Wruck⁵, F. Schröter⁵, P. Nuernberg³, H. Kroll⁴, E. Makrantonaki^{1,7}, C. C Zouboulis¹, J. Adjaye^{2,5}

¹ Departments of Dermatology, Venereology, Allergology and Immunology, Dessau Medical Center, Germany, ² Institute for Stem Cell Research and Regenerative Medicine, Heinrich Heine University Duesseldorf, Germany, ³ Cologne Center for Genomics (CCG), Institute for Genetics, University of Cologne, Germany, ⁴ Institute for Transfusion Medicine Dessau, Red Cross Blood Transfusion Service NSTOB, Dessau, Germany, ⁵ Molecular Embryology and Aging Group, Department of Vertebrate Genomics, Max Planck Institute for Molecular Genetics, Berlin, Germany, ⁶ Department of Biology, Chemistry and Pharmacy, Institute of Chemistry and Biochemistry, Freie Universität Berlin, Germany, ⁷ Geriatrics Research Group, Department of Geriatric Medicine, Charité Universitätsmedizin Berlin, Germany, ⁸ Current address: Max Delbrueck Center for Molecular Medicine (MDC), Berlin, Germany

11:30 Aryl hydrocarbon receptor negatively regulates lipid synthesis and involves in cell differentiation of SZ95 sebocytes in vitro (7+3 min)

T. Hu¹, D. Wang², Q. Yu³, L. Li², X. Mo³, Z. Pan¹, C. C. Zouboulis⁴, L. Peng², L. Xia¹, Q. Ju¹

¹ Department of Dermatology, Renji Hospital, Shanghai Jiaotong University School of Medicine, Shanghai, PR China, ² Research Center for Translational Medicine at East Hospital and Division of Medical Genetics, Tongji University School of Medicine, Shanghai, PR China, ³ Shanghai Dermatology Hospital, Shanghai, PR China, ⁴ Departments of Dermatology, Venereology, Allergology and Immunology, Dessau Medical Center, Dessau, Germany

11:40 Downregulation of keratin 79 upregulates LRIG1 and induces sebaceous gland hyperplasia (7+3 min)

M. Dahlhoff¹, C. Hoesl C¹, M.R. Schneider¹

¹Institute of Molecular Animal Breeding and Biotechnology, Gene Center, LMU München, Germany

11:50 Sebocytes differentially express and secrete adipokines (7+3 min)

D. Kovacs^{1,2}, M. Lovaszi¹, S. Poliska³, A. Olah⁴, T. Biro^{4,5}, I. Veres¹, C. C. Zouboulis⁶, M. Stahle⁷, R. Ruhl², E. Remenyik¹, D. Torocsik^{1,7}

¹ Department of Dermatology, Faculty of Medicine, University of Debrecen, Debrecen, Hungary, ² MTA-DE, Public Health Research group of the Hungarian Academy of Sciences, Faculty of Public Health, University of Debrecen, Debrecen, Hungary, ³ Department of Biochemistry and Molecular Biology, Genomic Medicine and Bioinformatics Core Facility, Faculty of Medicine, University of Debrecen, Debrecen, Hungary, ⁴ DE-MTA "Lendulet" Cellular Physiology Research Group, Department of Physiology, University of Debrecen, Debrecen, Hungary, ⁵ Department of Immunology, Faculty of Medicine, University of Debrecen, Debrecen, Hungary, ⁶ Departments of Dermatology, Venereology, Allergology and Immunology, Dessau Medical Center, Dessau, Germany, ⁷ Unit of Dermatology and Venereology, Department of Medicine, Karolinska Institutet, Karolinska University Hospital, Stockholm, Sweden

12:00 – 13:30 Lunch

13:30 Guest Lecture

Metabolism and Skin Diseases (20+10 min)

Prof. Dr. Prof. h.c. Dr. h.c. Christos Zouboulis

Dessau Medical Center,

Departments of Dermatology, Venereology, Allergology and Immunology, Dessau, Germany

14:00 Differential effectiveness of selected non-psychotropic phytocannabinoids on human sebocyte functions implicates their introduction in dry/seborrhoeic skin and acne treatment (7+3 min)

A. Olah¹, A. Markovics¹, J. Szabo-Papp¹, P. T. Szabo¹, C. Stott², C. C. Zouboulis³, T. Biro^{1,4}

¹ DE-MTA 'Lendulet' Cellular Physiology Research Group, Department of Physiology, Faculty of Medicine, University of Debrecen, Debrecen, Hungary, ² GW Pharmaceuticals, Cambridge, UK; ³ Departments of Dermatology, Venereology, Allergology and Immunology, Dessau Medical Center, Dessau, Germany, ⁴ Department of Immunology, Faculty of Medicine, University of Debrecen, Debrecen, Hungary

14:10 Insulin and insulin-like growth factor-1 can modulate the phosphoinositide-3-kinase / Akt/ FoxO1 pathway in SZ95 sebocytes in vitro (7+3 min)

Y. Mirdamadi¹, A. Thielitz¹, A. Wiede¹, A. Gohl², E. Papakonstantinou¹, R. Hartig², C.C. Zouboulis³, D. Reinhold², L. Simeoni², U. Bommhardt², S. Quist¹, H. Gollnick¹

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³ Departments of Dermatology, Venereology, Allergology and Immunology, Dessau Medical Center, Dessau, Germany

14:20 PI3K/AKT Signaling Pathway Is Essential for Survival of Induced Pluripotent Stem Cells (7+3 min)

A. M. Hossini¹, A. S. Quast², M. Plötz², K. Grauel^{3,4}, T. Exner¹, J. Kuchler⁵, H. Stachelscheid^{5,6}, J. Eberle², A. Rabien⁷, E. Makrantonaki^{1,8,9}, C. C. Zouboulis¹

¹ Departments of Dermatology, Venereology, Allergology and Immunology, Dessau Medical Center, Dessau, Germany, ² Department of Dermatology and Allergy, Skin Cancer Center Charité, Charité -

Universitätsmedizin Berlin, Berlin, Germany, ³ NeuroCure Cluster of Excellence, Charité -

Universitätsmedizin Berlin, Berlin, Germany, ⁴ Department of Biology, Chemistry, Pharmacy, Institute of Biology, Freie Universität Berlin, Berlin, Germany, ⁵ Berlin Institute of Health-Stem Cell Core Facility, Berlin, Germany, ⁶ Berlin-Brandenburg Center for Regenerative Therapies, Charité -

Universitätsmedizin Berlin, Berlin, Germany, ⁷ Department of Urology and Berlin Institute of Urologic Research, Charité-Universitätsmedizin Berlin, Berlin, Germany, ⁸ Research Geriatrics Group, Charité – Universitätsmedizin Berlin, Berlin, Germany, ⁹ Department of Dermatology and Allergology, Universitätsklinikum Ulm, Ulm, Germany

14:30 Insulin Resistance May Contribute to Upregulation of Adhesion Molecules on Endothelial Cells in Psoriatic Plaques (7+3 min)

K. Schlüter¹, S. Diehl¹, V. Lang¹, R. Kaufmann¹, W.-H. Boehnke², C. Buerger¹

¹ Department of Dermatology, Clinic of the Goethe University, Frankfurt am Main, Germany,

² Department of Dermatology and Department of Pathology and Immunology, University of Geneva, Geneva, Switzerland

14:40 Topical application of WOL074-009, WOL074-019 and WOL074-029 tripeptides exhibits strong anti-inflammatory activity in a mouse model of psoriasis (7+3 min)

A. Geiselhoeringer¹, M. Schneeweiss¹, C. Sternemann¹, M. Soeberdt², U. Knie², C. Abels², T. A. Luger¹, K. Loser¹

¹ University of Münster, Department of Dermatology, Münster, Germany

² Dr. August Wolff GmbH & Co. KG - Arzneimittel, Bielefeld, Germany

14:50 Thyroid hormones enhance mitochondrial function in human epidermis (7+3 min)

S. Vidal^{1,2}, J. Chéret³, M. Giesen⁴, S. Haeger¹, M. Alam³, R. E. B. Watson⁵, A. K. Langton⁵, M. Klinger⁶, J. Knuever¹, W. Funk⁷, B. Kofler², R. Paus^{3,5}

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15:00 – 15:30 Coffee Break

**15:30 Awarding of a young investigator with the ADE Prize 2017
(sponsored by Vichy Laboratoires)**

15:45 – 16:45 Meeting of the members of AG ADE e.V.

18:00 – 19.00 Guided tour

19:00 Dinner – Get together