

- Programm -

**12. Treffen der Arbeitsgruppe Dermato-Endokrinologie
(ADE)**

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

**Mittwoch, den 13.03.2013
Dessau**

Hörsaal im
Umweltbundesamt (UBA),
Am Wörlitzer Bahnhof 1,
06844 Dessau-Roßlau
(<http://www.umweltbundesamt.de/>)

Die Konferenz-Sprache ist Englisch/ Deutsch *
[The conference will be held in English/ German]**

Mit freundlicher Unterstützung von
ASATONA AG, Biozym Scientific GmbH, Dr. August Wolff GmbH & Co,
Miltenyi Biotec GmbH, VICHY Laboratoires/ L'oreal Deutschland GmbH

***** 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.]

09.15 - 10.00: Registration

10.00: Welcome: Evgenia Makrantonaki (Speaker AG ADE)
Ronald Wolf (Vice-Speaker AG ADE)

10.05: Greeting by Dr. jur. Thomas Holzmann (Vice-President of UBA)

10.15: Further investigation of the pathogenetic role of subtilisin kexin isoenzyme-1 in human melanoma (7 + 3 min)

Weiß N¹, Stegemann A¹, Metze D¹, Volchuk A², Weishaupt C¹, Luger TA¹, Böhm M¹
¹Dept. of Dermatology, University of Münster, Münster, Germany; ²Departments of Biochemistry and Physiology, University of Toronto, Toronto, Ontario, Canada

10.25: Melatonin counteracts UVR-induced up-regulation of HSP70 expression in human ex vivo skin (7 + 3 min)

K. Kleszczynski¹, S. Tukaj¹, D. Zillikens¹, M. Kasperkiewicz¹, T. W. Fischer¹
¹Department of Dermatology, University of Lübeck, Lübeck, Germany

10.35: Reduction of UVA-induced oxidative stress via regulation of catalase - a novel photoprotective mechanism of alpha-melanocyte-stimulating hormone in cutaneous biology (7 + 3 min)

Stegemann A¹, Mastrofrancesco A^{1,2}, Picardo M², Abdel-Malek Z³, Luger TA¹, Böhm M¹
¹Dept. of Dermatology, University of Münster, Münster, Germany; ²San Gallicano Dermatological Institute, Rome, Italy; ³Dept. of Dermatology, University of Cincinnati, Ohio, USA

10.45: Differential expression of nuclear vitamin D receptor (VDR) cofactors contributes to the resistance of melanoma cell lines against the antiproliferative effects of 1,25-dihydroxyvitamin D3 (1,25(OH)2D3) (7 + 3 min)

Planz V¹, Vogt Th¹, Reichrath J¹.
¹University of Saarland, Department of Dermatology, Venereology and Allergology, Homburg, Germany

10.55: Single nucleotide polymorphisms (SNPs) in genes involved in the vitamin D endocrine system are associated with risk for cutaneous basal cell carcinomas (BCCs) and squamous cell carcinomas (SCCs) (7 + 3 min)

Koreng M¹, Reichrath S¹, Weinhold A¹, Gräber S², Vogt Th¹, Reichrath J¹
¹University of Saarland, Department of Dermatology, Venereology and Allergology, Homburg, Germany; ²Institute of Medical Biometry, Epidemiology and Medical Informatics, The Saarland University Hospital, Homburg, Germany

11.05: Sulforaphane and phenylethyl isothiocyanate protect human skin from UV-induced inflammation and apoptosis (7 + 3 min)

Ernst IMA¹, Kleszczynski K², Wagner AE¹, Kruse N², Zillikens D², Rimbach G¹, Fischer TW²
¹Institute of Human Nutrition and Food Science, Christian-Albrechts-University Kiel, Kiel, Germany; ²Department of Dermatology, University of Lübeck, Lübeck, Germany

11.15: Guest Lecture I

"Real-time tracking of cell cycle progression in melanoma and its implications for the 'real world'"

Dr. N. Haass

*Associate Professor for Cutaneous Oncology
University of Queensland Diamantina Institute/ Translational Research Institute
Department of Dermatology, Princess Alexandra Hospital,
School of Medicine, Faculty of Health Sciences
University of Queensland, Brisbane, Australia*

(25 + 10 min)

11.50: Genetic variants (SNPs) of genes involved in skin pigmentation are associated with 25(OH)D serum concentration

Saternus R¹, Gräber S², Pilz S³, Kleber M⁴, März W⁵, Vogt Th¹, Reichrath J¹.

¹Department of Dermatology, The Saarland University Hospital, Homburg, Germany; ²Institute of Medical Biometry, Epidemiology and Medical Informatics, The Saarland University Hospital, Homburg, Germany; ³Department of Internal Medicine, Division of Endocrinology and Metabolism, Medical University of Graz, Graz, Austria; ⁴LURIC non profit LLC, Freiburg im Breisgau, Germany, and Mannheim Institute of Public Health, Medical Faculty Mannheim, University of Heidelberg, Germany; ⁵synlab Services GmbH, Mannheim, and Mannheim Institute of Public Health, Medical Faculty Mannheim, University of Heidelberg, Germany, and Clinical Institute of Medical and Chemical Laboratory Diagnostics, Medical University of Graz, Austria.

12.00: Wnt signalling is a key regulator of human skin ageing (7 + 3 min)

Makrantonaki E¹, Elewa R¹, Zampeli V¹, Mlody B², Hossini AM¹, Krause U³, Knolle J³, Adjaye J^{2,4}, Zouboulis CC¹

¹Departments of Dermatology, Venereology, Allergology and Immunology, Dessau Medical Center, Dessau, Germany; ²Department of Vertebrate Genomics, Max Planck Institute for Molecular Genetics, Berlin, Germany; ³Department of Pathology, Dessau Medical Center, Dessau, Germany; ⁴Institute for Stem Cell Research and Regenerative Medicine, Heinrich Heine University Duesseldorf, Duesseldorf, Germany

12.10: Induced pluripotent stem cell-derived neurons from a sporadic Alzheimer disease donor as a model for investigating disease mechanisms (7 + 3 min)

Hossini AM¹, Makrantonaki E¹, Megges M², Prigione A², Lichtner B², Toliat MR³, Nuernberg P³, Kroll H⁴, Lehrach H², Adjaye J^{2,5}, Zouboulis CC¹

¹Departments of Dermatology, Venereology, Allergology and Immunology, Dessau Medical Center, Dessau, Germany; ² Molecular Embryology and Aging Group, Department of Vertebrate Genomics, Max Planck Institute for Molecular Genetics, Berlin, Germany; ³Cologne Center for Genomics and Institute for Genetics, University of Cologne, Cologne, Germany; ⁴Institute for Transfusion Medicine Dessau, Red Cross Blood Transfusion Service NSTOB, Dessau; ⁵Institute for Stem Cell Research and Regenerative Medicine, Heinrich Heine University Duesseldorf, Duesseldorf, Germany

12.20: The Alarmins psoriasin (S100A7) and koebnerisin (S100A15) suppress the extracellular matrix production in the skin (7 + 3 min)

Gauglitz GG¹, Bureik D¹, Zwicker S¹, Ruzicka T¹, Wolf R¹

¹Department of Dermatology and Allergy, Ludwig-Maximilian University, Munich, Germany

Lunch: 12.30 - 13.50

Guided tour in UBA

13:50: Guest Lecture II

“The Biological Effects of Estrogen on Skin”

Dr. M J Thornton

Senior Lecturer in Biomedical Sciences

Centre for Skin Sciences

School of Life Sciences

University of Bradford

West Yorkshire

BD7 1DP

(25 + 10 min)

14:25: Cell-tissue cross talk of SZ95 sebocytes with skin maintained ex vivo in a 3D co-culture model (7 + 3 min)

Nikolakis G¹, Seltmann H¹, Zouboulis CC¹

¹Departments of Dermatology, Venereology, Allergology and Immunology, Dessau Medical Center, Dessau, Germany

14.35: Epigen activates a stem cell pool of the developing sebaceous gland and increases sebum production (7 + 3 min)

Dahlhoff M¹, Schneider MR¹

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

14.45: KdPT: novel protective role against impaired wound healing in diabetes? (7 + 3 min)

Gkogkolou P¹, Sarna M², Luger TA¹, Böhm M¹

¹Dept. of Dermatology, University of Münster, Münster, Germany; ²Dept. of Medical Physics and Biophysics, AGH University of Science and Technology, Cracow, Poland

14.55: Prospective investigation of 25(OH)D3 serum concentration following UVB narrow band phototherapy in patients with psoriasis and atopic dermatitis (7 + 3 min)

Weinhold A¹, Obeid R², Vogt Th¹, Reichrath J¹

¹University of Saarland, Department of Dermatology, Venereology and Allergology, Homburg, Germany; ²Institute of Clinical Chemistry and Laboratory Medicine, University of Saarland, Homburg, Germany

15.05: The Th1/Th17 cytokine-milieu favours NALP1 inflammasome activity and IL-1beta release in psoriasis (7 + 3 min)

Zwicker S¹, Hattinger E¹, Ruzicka T¹, Wolf R¹

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

15.15: Nox4 - an emerging target for the future treatment of scleroderma (7 + 3 min)

Dosoki H¹, Stegemann A¹, Weiß N¹, Brunßen C², Morawietz H², Luger T¹, Kerkhoff C³ and Böhm M¹

¹Dept. of Dermatology, University of Münster, Münster, Germany; ²Division of Vascular Endothelium and Microcirculation, Dept. of Medicine III, University of Dresden, Dresden, Germany; ³Fraunhofer Group "Extracorporeal Immune Modulation", Division of Nephrology, Department of Internal Medicine, Rostock, Germany

15.25: Galanin receptor 3 expression in normal and pathologic skin (7 + 3 min)

Holub BS¹, Ebner S¹, Brodowicz B¹, Lang R², Kofler B¹

¹Laura Bassi Centre of Expertise THERAPEP, Research Program for Receptor biochemistry and Tumor metabolism, Department of Pediatrics and ²Department of Dermatology, Paracelsus Medical University, Salzburg, Austria

15.35: Thyrotropin-Releasing Hormone Controls Mitochondrial Biology in Human Epidermis (7 + 3 min)

Knuever J¹, Poeggeler B¹, Gáspár E¹, Klinger M², Hellwig-Burgel T³, Hardenbicker C¹, Tóth BI⁴, Bíró T⁴, Paus R^{1,5}

¹Departments of Dermatology, ²Anatomy, and ³Physiology University of Luebeck, Luebeck, Germany; ⁴Department of Physiology, University of Debrecen, Medical and Health Science Center, Medical School, Debrecen, Hungary; ⁵School of Translational Medicine, University of Manchester, Manchester, United Kingdom

15.45: Awarding of a young investigator with the ADE Prize 2013 (sponsored by Vichy Laboratoires)

16.00 – 16:30: Coffee Break (30 min)

16.30: Direct angiotensin AT2-receptor stimulation modulates T-cell differentiation and inhibits T-lymphocyte recruitment to the central nervous system (7 + 3 min)

Valero-Esquitino V¹, Cirera-Salinas D², Stubbe T³, Lucht K¹, Pascual A², Curato C², Arkink J¹, Brandt C⁴, Namsolleck P⁵, Unger Th⁵, Steckelings UM^{1,6}

¹Center for Cardiovascular Research, Charité-Universitätsmedizin Berlin, Berlin, Germany; ²Neuroimmunology group, Neurocure-Cluster of Excellence, Berlin, Germany; ³Center for Anatomy, Institute of Cell Biology and Neurobiology, Charité-Universitätsmedizin Berlin, Berlin, Germany; ⁴Institute of Medical Immunology, Charité-Universitätsmedizin Berlin, Berlin, Germany; ⁵CARIM, University of Maastricht, Maastricht, Netherlands; ⁶Department of Cardiovascular and Renal Research, University of Southern Denmark, Odense, Denmark

16.40: Human Merkel cells: derived from epidermal or neural progenitors? An immunohistochemical approach (7 + 3 min)

Tilling T¹, Wladykowski E¹, Houdek P¹, Brandner JM¹, Moll I¹

¹Universitätsklinikum Hamburg-Eppendorf, Klinik und Poliklinik für Dermatologie und Venerologie, Hamburg, Germany

16.50: Key hormones of the hypothalamic-pituitary-thyroid (HPT) axis regulate mitochondrial biology in human hair follicles in situ (7 + 3 min)

Vidali S¹, Knuever J¹, Lerchner J², Giesen M³, Bíró M⁴, Kofler B⁵, M Klinger⁶, Poeggeler B¹, Paus R^{1,7}

¹Dept. of Dermatology, University of Luebeck, Luebeck, Germany; ²Ins. of Physical Chemistry TU Bergakademie, Freiberg, Germany; ³Henkel AG & Co. KGaA; ⁴Dept. of Physiology, University of Debrecen, Debrecen, Hungary; ⁵Research Programm for Receptor Biochemistry and Tumor Metabolism, Dept. of Pediatrics, Paracelsus Medical University, Salzburg, Austria; ⁶Dept. of Anatomy, University of Luebeck, Luebeck, Germany; ⁷ Ins. of inflammation and repair, University of Manchester, Manchester, UK

17.00: Prolactin and prolactin receptor are expressed in human corporal skin, and substance P, interferon- γ and tumour necrosis factor- α represent novel regulators of prolactin expression in human skin and hair follicles (7 + 3 min)

Langan EA^{1,2}, Vidali S², Biro T³, Goffin V⁴, Griffiths CEM¹, Paus R^{1,2}

¹Institute of Inflammation and Repair, ²University of Manchester, Manchester Academic Health Science Centre, Manchester, UK

17.10: Characterization of the oxytocin system in human skin (7 + 3 min)

Deing V¹, Kühnl J¹, Roggenkamp D¹, Gruschka A¹, Stáb F¹, Wenk H¹, Neufang G¹

¹Beiersdorf AG, Research Skin Care, Hamburg, Germany

17.20: Final remarks

17.30 - 18.00: Meeting of the members of AG ADE e.V.

19.00: Guided tour in the historical Bauhaus

Meeting point: Gropiusallee 38
06846 Dessau-Roßlau
(Telefon: +49 340 65 080)
(<http://www.bauhaus-dessau.de>)

20.00: Dinner – Get together:

Café – Bistro im Bauhaus Dessau
Gropiusallee 38, 06846 Dessau-Roßlau
(Telefon: +49 340 65 08 444)