

## - Programm -

### **15. 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 09.03.2016  
Wien**

#### **Hörsaal 5**

**Allgemeines Krankenhaus Wien, AKH**

Währinger Gürtel 18-20, A-1090 Wien, Österreich

**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.]

**09:30 – 10:00**  
**10:00**

**Registration**  
**Welcome:**

Ronald Wolf (Speaker AG ADE)  
Agatha Stegemann (Vice-Speaker AG ADE)

**10:05 The Effects of *MC1R* Variant Alleles on Nucleotide Excision Repair (7+3 min)**

J. Lehmann<sup>1,2</sup>, M. Böhm<sup>3</sup>, S. Emmert<sup>1,2</sup>

<sup>1</sup>Department of Dermatology, Venereology and Allergology, University Medical Center, Georg August University, Goettingen, Germany, <sup>2</sup>Clinic for Dermatology and Venereology, University Medical Center Rostock, Rostock, Germany, <sup>3</sup>Laboratory for Neuroendocrinology of the Skin and Interdisciplinary Endocrinology, Department of Dermatology, University of Münster, Germany

**10:15 Tropisetron modulates the UVA response in human dermal fibroblasts – a novel function of the  $\alpha 7$  nicotinic acetylcholine receptor (7+3 min)**

A. Stegemann<sup>1</sup>, M. Apel<sup>1</sup>, M. Böhm<sup>1</sup>

<sup>1</sup>Department of Dermatology, University of Münster, Germany

**10:25 Oxidative stress induces proopiomelanocortin expression independently of the tumor suppressor gene product p53 in human keratinocytes (7+3 min)**

M. Böhm<sup>1</sup>, M. Apel<sup>1</sup>, A. Stegemann<sup>1</sup>, B. Ringelkamp<sup>1</sup>

<sup>1</sup>Department of Dermatology, University of Münster, Germany

**10:35 Vitamin D suppresses caspase-5 and IL-1beta release by epidermal keratinocytes in psoriasis (7+3 min)**

S. Zwicker<sup>1,5</sup>, E. Hattinger<sup>1</sup>, D. Bureik<sup>1</sup>, A. Batycka-Baran<sup>1,2</sup>, A. Schmidt<sup>3</sup>, S. Rothenfusser<sup>3</sup>, M. Gilliet<sup>4</sup>, T. Ruzicka<sup>1</sup>, R. Wolf<sup>1</sup>

<sup>1</sup>Ludwig Maximilian University, Department of Dermatology and Allergology, Munich, Germany,

<sup>2</sup>Wroclaw Medical University, Department of Dermatology, Venereology and Allergy, Wroclaw, Poland,

<sup>3</sup>Ludwig Maximilian University, Division of Clinical Pharmacology, Medizinische Klinik IV, Munich, Germany, <sup>4</sup>CHUV University Hospital, Department of Dermatology, University Hospital of Lausanne, Lausanne, Switzerland, <sup>5</sup>Karolinska Institute, Department of Dental Medicine, Huddinge, Sweden

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**10:45 – 11:10 Coffee Break**

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**11:10 Vitamin D status is associated with serum lipid profile in participants of the Ludwigshafen Risk and Cardiovascular Health (LURIC) study (7+3 min)**

A. Merkouras<sup>1</sup>, S. Wagenpfeil<sup>2</sup>, M. Kleber<sup>3</sup>, W. März<sup>3</sup>, T. Vogt<sup>1</sup>, J. Reichrath<sup>1</sup>

<sup>1</sup>Saarland University, Department of Dermatology, Homburg, Germany, <sup>2</sup>Saarland University, Institute for Medical Biometry, Epidemiology and Medical Informatics, Homburg, Germany, <sup>3</sup>Ruperto-Carola University of Heidelberg, Mannheim Institute of Public Health, Heidelberg, Germany

**11:20 Skin pigmentation, cutaneous vitamin D synthesis and evolution: variants of genes (SNPs) involved in skin pigmentation are associated with 25(OH)D serum concentration (7+3 min)**

W. Roßberg<sup>1</sup>, J. Schöpe<sup>2</sup>, R. Saternus<sup>1</sup>, S. Wagenpfeil<sup>2</sup>, M. Kleber<sup>3</sup>, W. März<sup>3</sup>, T. Vogt<sup>1</sup>, J. Reichrath<sup>1</sup>

<sup>1</sup>Saarland University, Department of Dermatology, Homburg, Germany, <sup>2</sup>Saarland University, Institute for Medical Biometry, Epidemiology and Medical Informatics, Homburg, Germany, <sup>3</sup>Ruperto-Carola University of Heidelberg, Mannheim Institute of Public Health, Heidelberg, Germany

**11:30 The presence of peptidergic myelinated sensory nerve fibers in re-innervated human skin model promotes mast cells survival and may induce their maturation from resident progenitor cells (7+3 min)**

J. Chéret<sup>1,2,3</sup>, L. Ponce<sup>1</sup>, C. Le Gall-Ianotto<sup>3</sup>, L. Misery<sup>3</sup>, M. Bertolini<sup>1,2</sup>, R. Paus<sup>1,4</sup>

<sup>1</sup>Department of Dermatology, University of Münster, Münster, Germany, <sup>2</sup>Monasterium Laboratory, Münster, Germany, <sup>2</sup>Laboratory of Neurosciences of Brest, University of Western Brittany, Brest, France, <sup>3</sup>Institute of Inflammation and Repair, University of Manchester, Manchester, United Kingdom

**11:40 Growth hormone as a new player in human hair follicle biology (7+3 min)**

M. Alam<sup>1</sup>, D. Alexandra Below<sup>1</sup>, R. Clayton<sup>2</sup>, J. Chéret<sup>1</sup>, M. Bertolini<sup>1</sup>, R. Paus<sup>1,2</sup>

<sup>1</sup>Department of Dermatology, University of Münster, Münster, Germany, <sup>2</sup>Centre for Dermatology Research, Institute of Inflammation and Repair, University of Manchester, Manchester, UK

**11:50 Calcipotriol treatment increases low levels of cathelicidin expression and enhances anti microbial activity of recessive dystrophic epidermolysis bullosa keratinocytes (7+3 min)**

C. Gruber<sup>1</sup>, J. Pión Hofbauer<sup>1</sup>, B. Tockner<sup>1</sup>, C. Hüttner<sup>1</sup>, J.S. Breitenbach<sup>1</sup>, A. Trost<sup>2</sup>, V.M. Leb-Reichl<sup>1</sup>, A. Klausegger<sup>1</sup>, S. Hainzl<sup>1</sup>, J. Reichelt<sup>1</sup>, J.W. Bauer<sup>3</sup>, R. Lang<sup>3</sup>

<sup>1</sup>EB House Austria, Research Program for Molecular Therapy of Genodermatoses, Department of Dermatology, University Hospital of the Paracelsus Medical University, Salzburg, Austria, <sup>2</sup>University Clinic of Ophthalmology and Optometry, Research program for Ophthalmology and Glaucoma Research, Paracelsus Medical University Salzburg, Austria, <sup>3</sup>Department of Dermatology, University Hospital Salzburg, Paracelsus Medical, University Salzburg, Austria

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**12:00 – 13:20 Lunch**

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**13:20 Guest Lecture**

**The galanin peptide family in the skin - is it relevant ? (30+10 min)**

**Prof. Roland Lang**

Department of Dermatology,  
University Hospital Salzburg,  
Paracelsus Medical,  
University Salzburg, Austria

**14:00 Melatonin and its metabolites AFMK and AMK counteract UVR-mediated oxidative stress and functional disturbances within mitochondria in keratinocytes and fibroblasts (7+3 min)**

K. Kleszczynski<sup>1</sup>, M. Stegmann<sup>1</sup>, N. Kruse<sup>1</sup>, D. Zillikens<sup>1</sup>, T.W. Fischer<sup>1</sup>

<sup>1</sup>University of Lübeck, Department of Dermatology, Allergology and Venerology, Lübeck, Germany

**14:10 UVR-induced structural and functional alterations are attenuated by the melatonin metabolites AFMK and AMK in human ex vivo full skin (7+3 min)**

T.W. Fischer<sup>1</sup>, K. Kleszczynski<sup>1</sup>, M. Stegmann<sup>1</sup>, N. Kruse<sup>1</sup>, D. Zillikens<sup>1</sup>

<sup>1</sup>University of Lübeck, Department of Dermatology, Allergology and Venerology, Lübeck, Germany

**14:20 The LRIG family – regulators of ERBB signaling in skin during development, homeostasis and tumorigenesis (7+3 min)**

C. Hoesl<sup>1</sup>, M.R. Schneider<sup>1</sup>, E. Wolf<sup>1</sup>, M. Dahlhoff<sup>1</sup>

<sup>1</sup>Institute of Molecular Animal Breeding and Biotechnology, Gene Center, LMU Munich, Munich, Germany

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**14:30 – 15:00 Coffee Break**

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**15:00 Myeloid cell-restricted Insulin/IGF-1 signaling controls cutaneous inflammation (10 min)**

J. Knüver<sup>1</sup>, S. Willenborg<sup>1</sup>, X. Ding<sup>1</sup>, M. Akyuz<sup>1,2</sup>, C. Niessen<sup>1,2,3</sup>, L. Partridge<sup>2,4</sup>, J. Brüning<sup>2,3</sup>, S. Eming<sup>1,2,3</sup>

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

**15:10 Skin explant co-culture with SZ95 sebocytes facilitates tissue homeostasis ex vivo (10 min)**

G. Nikolakis<sup>1</sup>, H. Seltmann<sup>1</sup>, A. Hossini<sup>1</sup>, E. Makrantonaki<sup>1</sup>, J. Knolle<sup>2</sup>, C. C. Zouboulis<sup>1</sup>

<sup>1</sup>Departments of Dermatology, Allergology, Venereology and Immunology, <sup>2</sup>Institute of Pathology, Dessau Medical Center, Dessau, Germany

**15:20 LC-MS/MS analysis reveals a broad functional spectrum of proteins in the secretome of sebocytes (10 min)**

M. Dahlhoff<sup>1</sup>, T. Fröhlich<sup>2</sup>, G. J. Arnold<sup>2</sup>, C. C. Zouboulis<sup>3</sup>, M. R. Schneider<sup>1</sup>

<sup>1</sup>Institute of Molecular Animal Breeding and Biotechnology, Gene Center, LMU Munich, Germany, <sup>2</sup>Laboratory for Functional Genome Analysis (LAFUGA), Gene Center, LMU Munich, Germany, <sup>3</sup>Department of Dermatology, Venereology, Allergology and Immunology, Dessau Medical Center, Dessau, Germany

**15:30 Superoxide anion radicals induce IGF-1 resistance through concomitant activation of PTP1B and PTEN (10 min)**

K. Singh<sup>1,2\*</sup>, P. Maity<sup>1,2\*</sup>, L. Krug<sup>1,2</sup>, P. Meyer<sup>1,2</sup>, N. Treiber<sup>1</sup>, T. Lucas<sup>3</sup>, A. Basu<sup>1</sup>, S. Kochanek<sup>3</sup>, M. Wlaschek<sup>1,2</sup>, H. Geiger<sup>1,2,4,5</sup>, K. Scharffetter-Kochanek<sup>1,2</sup>

<sup>1</sup>Department of Dermatology and Allergic Diseases, University of Ulm, Germany, <sup>2</sup>Aging Research Center (ARC), Ulm, Germany, <sup>3</sup>Department of Gene Therapy, University of Ulm, Germany, <sup>4</sup>Institute of Molecular Medicine and Stem Cell Aging, University of Ulm, Germany <sup>5</sup>Division of Experimental Hematology and Cancer Biology, Cincinnati Children's Hospital Medical Center and University of Cincinnati, Ohio, USA

**15:40 Insulin and insulin-like growth factor-1 can modulate the phosphoinositide-3-kinase / Akt/ FoxO1 pathway in SZ95 sebocytes in vitro (10 min)**

Y. Mirdamadi<sup>1</sup>, A. Thielitz<sup>1</sup>, A. Wiede<sup>1</sup>, A. Gohl<sup>2</sup>, E. Papakonstantinou<sup>1</sup>, R. Hartig<sup>2</sup>, C.C. Zouboulis<sup>3</sup>, D. Reinhold<sup>2</sup>, L. Simeoni<sup>2</sup>, U. Bommhardt<sup>2</sup>, S. Quist<sup>1</sup>, H. Gollnick<sup>1</sup>

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**15:50 Awarding of a young investigator with the ADE Prize 2016 (sponsored by Vichy Laboratoires)**

**16:00 – 17:00 Meeting of the members of AG ADE e.V.**

**18:00 – 19:00 Guided tour**

**19:30 Dinner – Get together**