

Preise 2016 der Stiftung der DMykG

Wissenschaftspreise:

An Frau Selene Mogavero und Herrn Duncan Wilson für die Arbeit:

Candidalysin is a fungal peptide toxin critical for mucosal infection

David L. Moyes^{1*}, Duncan Wilson^{2†*}, Jonathan P. Richardson^{1*}, Selene Mogavero^{2*}, Shirley X. Tang¹, Julia Wernecke^{3,4}, Sarah Höfs², Remi L. Gratacap⁵, Jon Robbins⁶, Manohursingh Runglall^{1†}, Celia Murciano^{1†}, Mariana Blagojevic¹, Selvam Thavaraj¹, Toni M. Förster², Betty Hebecker^{2,7}, Lydia Kasper², Gema Vizcay⁸, Simona I. Iancu¹, Nessim Kichik^{1,9}, Antje Häder¹⁰, Oliver Kurzai¹⁰, Ting Luo¹¹, Thomas Krüger¹¹, Olaf Kniemeyer¹¹, Ernesto Cota⁹, Oliver Bader¹², Robert T. Wheeler⁵, Thomas Gutschmann³, Bernhard Hube^{2,13,14} & Julian R. Naglik¹

¹Mucosal & Salivary Biology Division, Dental Institute, King's College London SE1 1UL, UK.

²Department of Microbial Pathogenicity Mechanisms, Hans Knöll Institute, D-07745 Jena, Germany.

³Research Center Borstel, Division of Biophysics, D-23845 Borstel, Germany. ⁴Deutsches Elektronen-Synchrotron DESY, D-22607 Hamburg, Germany. ⁵Department of Molecular & Biomedical Sciences, University of Maine, Orono, Maine 04469, USA.

⁶Wolfson CARD, King's College London, Guy's Campus, London SE1 1UL, UK.

⁷Research Group Microbial Immunology, Hans Knöll Institute, D-07745 Jena, Germany.

⁸Centre for Ultrastructural Imaging, King's College London, London SE1 1UL, UK.

⁹Department of Life Sciences, Imperial College London, London SW7 2AZ, UK.

¹⁰Septomics Research Center, Hans-Knöll Institute and Friedrich Schiller University, D-07745 Jena, Germany. ¹¹Department of Molecular and Applied Microbiology, Hans Knöll Institute, D-07745 Jena, Germany.

¹²Institute for Medical Microbiology, University Medical Center Göttingen, D-37075 Göttingen, Germany. ¹³Friedrich Schiller University, D-07737 Jena, Germany.

¹⁴Integrated Research and Treatment Center, Center for Sepsis Control and Care, D-07747 Jena, Germany.

†Present addresses: Aberdeen Fungal Group, School of Medicine, Medical Sciences and Nutrition, University of Aberdeen, Aberdeen AB25 2ZD, UK (D.W.); NIHR Biomedical Research Centre, Guy's and St Thomas' NHS Foundation Trust, London SE1 1UL, UK (M.R.); ERI Biotechmed & Microbiology and Ecology Department, University of Valencia, Valencia 46100, Spain (C.M.).

*These authors contributed equally to this work.

64 | NATURE | VOL 532 | 7 April 2016

Nachwuchsförderpreis der Stiftung der DMykG

An Tobias Boch für die Arbeit:

Diagnosis of invasive fungal infections in haematological patients by combined use of galactomannan, 1,3-b-D-glucan, Aspergillus PCR, multifungal DNA-microarray, and Aspergillus azole resistance PCRs in blood and bronchoalveolar lavage samples: results of a prospective multicentre study

T. Boch ^{1,*}, B. Spiess ¹, O.A. Cornely ^{2,3,4,5}, J.J. Vehreschild ⁶, P.M. Rath ⁷, J. Steinmann ⁷, W.J. Heinz ⁸, J. Hahn ⁹, S.W. Krause ¹⁰, M.G. Kiehl ¹¹, G. Egerer ¹², T. Liebregts ¹³, M. Koldehoff ¹³, M. Klein ¹⁴, F. Nolte ¹, M.C. Mueller ¹, N. Merker ¹, S. Will ¹, M. Mossner ¹, H. Popp ¹, W.-K. Hofmann ¹, M. Reinwald ¹, D. Buchheidt ¹

1) Department of Hematology and Oncology, University Hospital Mannheim, University of Heidelberg, Mannheim, Germany

2) Department I of Internal Medicine, University Hospital of Cologne, Cologne, Germany

3) Clinical Trials Centre Cologne, ZKS Cologne, BMBF 01KN1106, Cologne, Germany

4) Centre for Integrated Oncology CIO Cologne-Bonn, Cologne, Germany

5) Cologne Excellence Cluster on Cellular Stress Response in Aging-Associated Diseases (CECAD), University of Cologne, Cologne, Germany

6) Department I of Internal Medicine, University Hospital of Cologne, German Centre for Infection Research, Partner Site Bonn-Cologne, Cologne, Germany

7) Institute of Medical Microbiology, University Hospital Essen, Germany

8) Department II of Internal Medicine, University Hospital Würzburg, Germany

9) Department of Hematology Oncology, University Hospital Regensburg, Germany

10) Department of Hematology Oncology, University Hospital Erlangen, Germany

11) Department I of Internal Medicine, Klinikum Frankfurt/Oder, Germany

12) Department V of Internal Medicine, University Hospital Heidelberg, Germany

13) Department of Bone Marrow Transplantation, University Hospital Essen, Germany

14) Department I of Internal Medicine, Prosper-Hospital Recklinghausen, Germany

Clinical Microbiology and Infection

<http://dx.doi.org/10.1016/j.cmi.2016.06.021>

Posterpreise

An Christiane Kupsch, Berlin für das Poster: Hohe Prävalenz von Arthroderma benhamiae auf Meerschweinchen in Berliner Zoohandlungen

An Johanna Reinhold, Essen für das Poster: Fatale Fehldiagnose: lebensbedrohliche Kryptokokkose als Autoimmunerkrankung verkannt

An Fabio Gsaller, Manchester (GB) für das Poster: Unveiling a novel regulatory role of the CCAAT binding complex in *Aspergillus fumigatus* 5-Flucytosine resistance.

Hans-Rieth-Posterpreis

An Sascha Jung, Berlin (DE) für das Poster:

The AFP family delivers more than 50 templates for the development of novel designer antifungal protein drugs.