



InterAcademy Medical Panel (IAMP)

The InterAcademy Medical Panel (IAMP) is a network of the world's national medical academies and academies of science and engineering with medical sections that is committed to improving health worldwide. The goals of the IAMP are to strengthen the capacity of academies to provide evidence-based advice to governments on health and science policy, support the creation of new academies, support the creation of projects by member academies to strengthen research and higher education in their countries, and issue consensus statements on matters of importance to global health. The IAMP secretariat is hosted by The World Academy of Sciences (TWAS) in Trieste, Italy. (Further information can be found on www.iamp-online.org).

Robert Koch Institute

Founded in 1891, the Robert Koch Institute is one of the central institutions for health protection in Germany. It serves the Federal Ministry of Health as a central scientific institution in the field of biomedicine. The Institute combines risk research with political advice. Its most important tasks include protection against infectious diseases and the analysis of the health situation in Germany. The Robert Koch Institute is headquartered in Berlin, with a further branch located in Wernigerode in the Harz region. Around 250 of its 720 employees are scientists. (Further information can be found on www.rki.de/EN/Home/homepage_node.html).

WWF

Founded in 1961, the WWF is an international nonprofit organization aiming to conserve the world's biological diversity. The central secretariat for the network, WWF International, is now located in Gland, Switzerland. WWF has offices in 100 countries around the world, is supported by more than 5 million members and employs around 6,200 full-time staff. Since its founding, WWF has invested around \$11.5 billion in more than 13,000 projects. (Further information can be found on www.worldwildlife.org).



Hosts:

Prof. Dr. med. Detlev Drenckhahn

World Wide Fund for Nature (WWF Deutschland) | President | Germany

Prof. Dr. Drenckhahn is president of WWF Germany since 2005, member of WWF International Board 2008-2010 and since then member of the International WWF Council. As Senator of the National Academy of Sciences Germany he is Spokesperson of the Academy's scientific committee for environment. He is Emeritus Chair of Medical Cell Biology and Anatomy University of Würzburg, Germany (since 2013), Editor in Chief of the international journal "Histochemistry & Cell Biology", publisher of the botanical journal "Forum Geobotanicum" and Editor of a Handbook of Birds of Northern Germany. Merits: Order of Merit of the Federal Republic of Germany "for outstanding merits in science and environment", member of the official delegation of the German federal president on his state visits to several countries in Africa, Honorary member of the Humboldt University Berlin and of various international science organizations.

Prof. Dr. Lothar H. Wieler

Robert Koch Institute (RKI) | President | Germany

Prof. Dr. Lothar H. Wieler is the president of the Robert Koch Institute, the central institution responsible for disease control and prevention in Germany. He is also a Professor at the Centre for Infection Medicine, Institute of Microbiology and Epizootics of the Freie Universität (FU) in Berlin. After obtaining his PhD from the Ludwig-Maximilians-Universität Munich, he had a first Post-Doc position at the Pathology Department, Universität Ulm, and further on at the Institute of Hygiene and Infections of Animals at the Justus-Liebig-Universität, Gießen. Two sabbatical stays, a first one 1996 at the Center for Vaccine Development, University of Maryland in Baltimore, USA, the second 2012 at the Wellcome Trust Sanger Institute, Hinxton, further inspired his research interests. Prof. Wieler has received the Young Researchers award from the German Veterinary Association and the Main Award of the German Association for Hygiene and Microbiology. His research focuses around infections caused by zoonotic agents as well as drug-resistant and multi-drug resistant bacterial pathogens. Molecular pathogenesis and risk assessment based on molecular functional infection epidemiology – utilizing latest molecular technologies - of bacterial pathogens is a discipline that has been moved ahead by him. He is author of more than 180 peer-reviewed papers. Prof. Wieler is chair of the scientific advisory committee of the



Friedrich-Loeffler-Institute (Federal Research Institute for Animal Health in Germany) and since 2010 an elected member of the German National Academy of Sciences Leopoldina.

Dr. Peter McGrath

InterAcademy Medical Panel |Coordinator | Italy

Dr. Peter McGrath obtained his BSc (honours) in Agricultural Zoology from the University of Glasgow, UK, and followed this with a PhD from the University of Leeds, UK, in 1989. His 10-year research career focused on the insect transmission of plant viruses and included postdoctoral positions at the Scottish Crop Research Institute as well as Purdue University and the University of Arizona in the USA. After leaving the laboratory, he established his own business as a freelance journalist focusing on agricultural, environmental and scientific issues. In 2003, he joined TWAS – The World Academy of Sciences – based in Trieste, Italy, and shortly thereafter assumed responsibility for TWAS’s programmes designed to build scientific capacity in developing countries. In 2013, he moved to become Coordinator of IAP, the global network of science academies, and IAMP, a global network of 78 academies of medicine and science academies with strong medical branches. As IAMP Coordinator, he has overseen the release of the joint “IAP-IAMP Statement on Antimicrobial Resistance: A Call to Action”, as well as overseeing IAMP’s involvement in programmes such as the social determinants of health inequities, urban health, traditional medicine, and One Health. He also retains his position as Coordinator of the TWAS Science Policy/Science Diplomacy programme.

Speakers:

Dr. Esther Schelling: History of and Introduction to One Health

Swiss Tropical and Public Health Institute |Senior researcher | Switzerland

Dr. med. vet. Esther Schelling is a senior researcher in the Department of Epidemiology and Public Health in the Swiss Tropical and Public Health Institute since 2008. Over her career she gained experience in international animal health, health of mobile people and zoonoses research. Her current main research interests include service provision and infectious diseases in mobile populations in Africa and Asia as well as transmission patterns of zoonoses and cost-effective control options for zoonoses in resource poor countries while applying the “One Health” concept. She received the Transdisciplinarity Award 2004 of the Swiss Academy of Science and the Geigy Award 2010 and is since 2011 the leader of



the research group 'Mobile populations and Health'. She published over 100 peer-reviewed articles and is co-author in 11 book chapters, the most recent one on 'One Health: Theory and Practice of Integrated Health Approaches'.

Prof. Dr. Albert Osterhaus: The One Health Platform Foundation

University of Veterinary Medicine Hannover | Professor, Wildlife Virology and Virus Discovery | Germany – One Health Platform Foundation | Chair | Germany

Professor Osterhaus has been Head of the Department of Viroscience at Erasmus MC Rotterdam until July 2014, is currently Professor of Wildlife Virology and Virus Discovery at Utrecht University, and Director of the Center of Infection Medicine and Zoonosis Research and Guest-Professor at the University of Veterinary Medicine Hannover. He has a long track record as a scientific researcher and principal investigator of numerous scientific projects. At Erasmus MC, he ran a diagnostic virology lab with more than 40 staff and a research lab with over 150 collaborators. They followed a novel integrated 'viroscience' concept, bringing together world-leading scientists in molecular virology, immunology, epidemiology, pathogenesis, and intervention studies on human and animal virus infections. Among his accomplishments are the discovery of numerous viruses of humans and animals (e.g. human metapneumovirus, coronaviruses, influenza viruses), elucidation of the pathogenesis of human and animal virus infections, and development of intervention strategies. This enabled health authorities like WHO to effectively combat disease outbreaks like SARS and avian influenza. He is the Chair of ESWI and the One Health Platform. Establishment of spin-off, Viroclinics Biosciences BV, involved in testing of intervention strategies against virus infections, is another of his societally relevant successes. The international recognition of Professor Osterhaus is further highlighted by awards, prizes, guest lecture invitations, (co-)organiserships of international meetings and editorships of scientific journals. Professor Osterhaus has been PhD mentor for more than 70 students, holds several key patents and is the author of more than 1100 papers in peer-reviewed journals, together cited more than 50,000 times. His H index is 97. Most of all, Professor Osterhaus firmly believes that scientists have a role to play in translating their knowledge for the benefit and protection of society.

Dr. Fabian Leendertz: One Health and the Human-Wildlife Interface

Robert Koch Institute (RKI) | Research Leader, Epidemiology of Highly Pathogenic Microorganisms | Germany



Dr. Fabian Leendertz is a veterinarian by training and is specialized on zoonotic diseases. His main focus are pathogens transmitted between wild non-human primates (especially great apes) and humans. In addition he is investigating the role of rodents and bats as reservoirs for hemorrhagic fever viruses. His approach is multidisciplinary with close collaborations with ecologists, primatologists and medical doctors. All research activities are performed in close collaboration with long term partners from Central and West Africa. Most projects are strongly driven by the One Health concept which embraces human and animal health as well as environmental factors. Currently he is head of a research unit Epidemiology of Highly Pathogenic Microorganisms at the Robert Koch-Institute, Berlin.

Prof. Dr. Thomas R. Gillespie: From One-Health to Eco-Health

Emory College of Arts and Sciences | Professor, Environmental Sciences | United States of America

Pathogen emergence is disproportionately associated with the tropics and is often linked to anthropogenic change. The overall goal of Gillespie's work is to determine how and why anthropogenic changes to tropical forests place people and wildlife in such ecosystems at increased risk of pathogen exchange. The central hypothesis of this work is that key human behaviors, wildlife behaviors, ecological conditions, and landscape features increase the risks of interspecific disease transmission. This effort entails a combination of epidemiology, molecular ecology, behavioral ecology, social and clinical survey, and spatially explicit modeling. The ultimate products are implementable plans for protecting human and wildlife health, while simultaneously ensuring the sustainability of the ecosystems within which they live.

Dr. Ilka Herbinger: One Health and Conservation Strategies

World Wide Fund for Nature (WWF Deutschland) | Program Officer Africa | Germany

Dr. Ilka Herbinger is a zoologist and gained her PhD in anthropology studying wild chimpanzees in West Africa. Experiencing first-hand the threat to biodiversity while living and working in Africa, her focus shifted from pure research to science- and evidence-based conservation. She built up and directed the regional office of the Wild Chimpanzee Foundation, based in Abidjan, Côte d'Ivoire and successfully led numerous conservation projects in West Africa. In 2011 Dr. Ilka Herbinger returned to Germany after 12 years of research and nature conservation in Africa to apply her expertise as Africa Program Manager for



WWF Germany focused on the Congo basin. In this position she continues to support projects relevant to flagship species and key protected areas and has introduced the One Health approach into WWF ecotourism projects. She is member of the IUCN Species Survival Commission/ Primate Specialist group, of two African based conservation trust funds and author of various conservation relevant publications.