



Global Health at the Human-Animal-Ecosystem Interface

General Introduction

Section 1 - Global Health at the Human-Animal-Ecosystem Interface: The Need for Intersectoral Approaches

Video-lecture	Expert and Affiliation
The importance of One Health for Global Health	Prof. Arnaud Fontanet Director Center for Global Health Head of Emerging Diseases Epidemiology Unit Institut Pasteur, France
The Tripartite Collaboration: FAO-OIE-WHO	Dr. Kazuaki Miyagishima Director, Department of Food Safety and Zoonoses World Health Organization (WHO)
Cross-Sectoral, Multidisciplinary Risk Assessment for Health Threats at the Human-Animal Interface	Dr. Elizabeth Mumford Human-Animal Interface Department of Global Capacities, Alert, and Response World Health Organization (WHO)
How to link Global Health Priorities with Biodiversity?	Dr. Maria Neira Director Public Health and the Environment Department World Health Organization (WHO)
Global Animal Trade: Health Risks and Regulations	Dr. John Berezowski Veterinary Public Health Institute Vetsuisse Faculty University of Bern, Switzerland
Sendai Framework for Disaster Risk Reduction & Health	Dr. Chadia Wannous The United Nations Office for Disaster Risk Reduction (UNISDR)

Section 2 - Emerging Infectious Diseases

Video-lecture	Expert and Affiliation
Challenges for the Spread of Emerging Viruses	Prof. Laurent Kaiser Head of the Division of Infectious Diseases Director of the Laboratory of Virology University Hospitals of Geneva (HUG) University of Geneva, Switzerland
Investigating Emerging Zoonotic Outbreaks: Importance of the One Health Approach	Dr. Maria van Kerkhove Head of the Outbreak Investigation Taskforce Center for Global Health, Institut Pasteur, France
Institute Pasteur Global Network & the fight against Emerging Infections	Dr. Marc Jouan Director of the International Affairs Department Institut Pasteur, France
IHR 3.0 Simulator: Improving our Response to Global Health Emergencies	Prof. Antoine Flahault Director, Institute of Global Health Faculty of Medicine, University of Geneva
Disease Ecology of Nipah Virus in Cambodia: Exploring Bat Population Dynamics at the Frontline of the Emergence	Dr. Julien Cappelle Centre de coopération internationale en recherche agronomique pour le développement (CIRAD) Institut Pasteur, Cambodia

Disease Ecology of Nipah Virus in Cambodia: Exploring the Human-Bat Interface	Dr. Julien Cappelle Centre de coopération internationale en recherche agronomique pour le développement (CIRAD) Institut Pasteur, Cambodia
Fight against VBDs: Global Change & the Need for an Interdisciplinary Approach	Prof. Antoine Flahault Director, Institute of Global Health Faculty of Medicine, University of Geneva, Switzerland
The Reversed Spill-over: From Humans and Domestic Animals to Wildlife	Dr. Geoffroy Mauvais Program on African Protected Areas and Conservation (PAPACO) International Union for Conservation of Nature (IUCN)
The Importance of Understanding Animal Behaviour for Global Health	Dr. Rafael Ruiz de Castañeda Institute of Global Health Faculty of Medicine, University of Geneva, Switzerland
Bushmeat & Emerging Infectious Diseases: Joint conservation & Health Strategies	Dr. Geoffroy Mauvais Program on African Protected Areas and Conservation (PAPACO) International Union for Conservation of Nature (IUCN)
Social Anthropology of Zoonoses	Dr. Tamara Giles-Vernick Medical Anthropology and Environment Group Institut Pasteur, France

Section 3 - Antimicrobial Resistance & Zoonotic Foodborne Infectious Diseases

Video-lecture	Expert and Affiliation
The Global Burden of Antimicrobial Resistance	Dr. Elisabeth Tayler AntiMicrobial Resistance Secretariat World Health Organization (WHO)
WHO Global Action Plan on Antimicrobial Resistance	Dr. Elisabeth Tayler AntiMicrobial Resistance Secretariat World Health Organization (WHO)
Canadian Integrated Program for Antimicrobial Resistance Surveillance (CIPARS)	Prof. Andre Ravel Faculty of Veterinary Medicine University of Montreal, Canada
Why should we care about Multi-Resistant Bacteria? Clinical Impact & Public Health Implications	Prof. Stephan Harbarth Infection Control Programme University Hospitals of Geneva University of Geneva, Switzerland
Antimicrobial Resistance in Foodborne Infections: Importance of the One Health approach	Dr. Simon Le Hello Co-director National Reference Center E. coli/Shigella/Salmonella Institut Pasteur, France
FoodNet Canada: Why is this important?	Prof. Andre Ravel Faculty of Veterinary Medicine University of Montreal, Canada

Section 4 - Zoonotic Neglected Infectious Diseases

Video-lecture	Expert and Affiliation
Neglected Tropical Diseases & Zoonosis: Challenges & Solutions	Dr. Bernadette Abela-Ridder Team Leader, Neglected Zoonotic Diseases Department of the Control of Neglected Tropical Diseases World Health Organization (WHO)
Towards Rabies Elimination: The case of KwaZulu-Natal (South Africa)	Kevin Le Roux Rabies Project Manager Department of Agriculture and Rural Development KwaZulu-Natal, South Africa
Major Research Challenges & Opportunities in the fight against Rabies	Dr. Hervé Bourhy Unit Lyssavirus dynamics and host adaptation, WHO Collaborating Centre for Research on Rabies, National Reference Centre for Rabies, Institut Pasteur, France
Research & Innovation: Examples from Institut Pasteur's fight against Rabies	Dr. Hervé Bourhy Unit Lyssavirus dynamics and host adaptation, WHO Collaborating Centre for Research on Rabies, National Reference Centre for Rabies, Institut Pasteur, France

Ecodog: A One health and Ecohealth approach to Rabies	Prof. Andre Ravel Faculty of Veterinary Medicine University of Montreal, Canada
One Health fight against Leishmaniasis	Prof. Afif Ben Salah Head, Department of Medical Epidemiology Institut Pasteur, Tunisia
Zoonotic Tuberculosis in the WHO End TB Strategy	Dr. Mario Raviglione Director Global TB Programme World Health Organization (WHO) Dr. Anna Dean Global TB Programme World Health Organization (WHO)

Section 5 - Conflicts & Injuries

Video-lecture	Expert and Affiliation
Protected Areas: How to manage Human-Wildlife-Domestic Animals Interface?	Dr. Geoffroy Mauvais Program on African Protected Areas and Conservation (PAPACO) International Union for Conservation of Nature (IUCN)
Snake-bites: A Neglected Global Health Challenge	Prof. François Chappuis Head of the Division of Tropical and Humanitarian Medicine University Hospitals of Geneva University of Geneva, Switzerland
Snake-bites in Sub-Saharan Africa: A priority for "Doctors Without Borders"	Dr. Gabriel Alcoba <i>Médecins sans Frontières</i> and Division of Tropical and Humanitarian Medicine University Hospitals of Geneva, Switzerland
Impact of Snake-bites in Livestock: The Case of Costa Rica	Dr. Maria Herrera Instituto Clodomiro Picado San Jose, Costa Rica

Section 6 - Innovation & Opportunities

Video-lecture	Expert and Affiliation
Citizen Science & Crowdsourcing: Opportunities & Challenges in Health	Prof. François Grey Partnership Coordinator, Citizen Cyberlab University of Geneva, Switzerland
Digital Epidemiology: Opportunities & Challenges in Global Health	Prof. Marcel Salathe Head of the Laboratory of Digital Epidemiology School of Life Sciences Ecole Polytechnique Fédérale de Lausanne (EPFL), Switzerland

Section 7 - Health Benefits at the Human-Animal-Ecosystem Interface

Video-lecture	Expert and Affiliation
What is Environmental Health? A Historical overview	Dr. Jean Simos Institute of Global Health Faculty of Medicine University of Geneva, Switzerland
Ecosystem Services & Health	Dr. Martin Schlaepfer Institute of Environmental Sciences University of Geneva, Switzerland
Growing with Nature: Implications for Child Health & Allergies	Dr. Caroline Roduit Children's Hospital Allergy Research Group University of Zurich, Switzerland
Biodiversity as a Source of Food for Humans and Animals: Socio-cultural Determinants of Food Habits	Dr. Estelle Fourat Research Centre on Work, Organizations and Policies CERTOP University of Toulouse – Jean Jaurès, France
Companion Animal Ownership: Benefits for Human and Animal Health	Dr. Dennis Turner Director Institute for Applied Ethology and Animal Psychology Horgen/Zurich, Switzerland

Companion Animals & Economic Benefits of One Health	Dr. Dennis Turner Director Institute for Applied Ethology and Animal Psychology Horgen/Zurich, Switzerland
---	---

Section 8 - Management of Ecosystems under Global Changes: Implication for Human Health

Video-lecture	Expert and Affiliation
Increasing Health Sector Resilience to Climate Change and Disaster Risk: the Value of Biodiversity and Ecosystems	Dr. Tedros Adhanom Ghebreyesus Director-General World Health Organization (WHO)
Connecting Global Priorities: Biodiversity and Human Health	Ms. Cristina Romanelli UN Convention on Biological Diversity (CBD) - World Health Organization (WHO) joint programme
Harnessing Biodiversity to Maximize Health Co-benefits in Agroecosystems	Dr. David Cooper Deputy Executive Secretary UN Convention on Biological Diversity (CBD)
Biodiversity and Human Health Linkages: Concepts, Determinants, Drivers of Change and Approaches to Integration	Dr. Diarmid Campbell-Lendrum Department of Public Health and Environment World Health Organization (WHO)
Global Overview of the United Nations Decade of Action on Nutrition	Dr. Francesco Branca Department of Nutrition for Health and Development World Health Organization (WHO)
Food Systems, Nutrition and Climate Change: The Need for a Cross-sectoral Approach	Ms. Lina Mahy Department of Nutrition for Health and Development World Health Organization (WHO)
Agrobiodiversity for Healthy, Diverse Diets and Food Systems. Case Studies from Brazil, Turkey, Kenya and Sri Lanka	Dr. Daniela Moura National project lead Biodiversity for Food and Nutrition, Brazil
Sustainable Oceans Management and Health	Dr. Jake Rice Senior Scientist Emeritus Department of Fisheries and Oceans, Canada
Sustainable Management of Agroecosystems and Health	Dr. Scott Newman Senior Animal Health & Production Officer Regional Office for Africa Food and Agriculture Organization of the United Nations Accra Ghana
The Role of Sustainably Managed Seascapes/Landscapes in Health and Nutritional Outcomes	Dr. Christopher Golden Assistant Professor of Planetary Health and Nutrition Harvard T.H. Chan School of Public Health, Boston
Gender and Health in the Face of Global Environmental Change	Ms. Elena Villalobos Prats Department of Public Health and Environment World Health Organization (WHO)