

## PROGRAMME

### Thursday, 6 December 2018

#### Registration and Welcome

- 09:00** Registration Opens  
**09:30** Welcome and Introduction, *Jakob Zinsstag, Swiss TPH*

#### Session 1 – Ongoing Research

*Moderator: Daniel Paris, Swiss TPH*

- 09:45** Burden of Rabies in West- and Central Africa: Options for Control and Elimination, *Monique Léchenne, Exeter University, UK*  
**10:10** Towards Brucellosis Control and Elimination, *Esther Schelling, Swiss TPH*  
**10:35** Burden and Cost of Echinococcosis in Mongolia, *Bolor Bold, National Center for Zoonotic Diseases, Mongolia, and Swiss TPH*  
**11.00** Coffee Break

#### Session 2 – New Plans

*Moderator: Jakob Zinsstag, Swiss TPH*

- 11:30** Zoonotic Trypanosomiasis: Can it be Eliminated?, *Sue Welburn, University of Edinburgh, UK*  
**11:55** Rickettsia and the Non-Malaria Fever Complex, *Daniel Paris, Swiss TPH*  
**12:20** Leptospirosis and its Complex Ecology, *Anou Dreyfus, Swiss TPH*  
**12:45** Lunch

#### Session 3 – Science Café

##### 14.00 Breakout Sessions

**Group 1:** Rabies Control and Elimination (*Moderators: Bernadette Abela-Ridder and Monique Léchenne*)

**Group 2:** Brucellosis Control and Elimination (*Moderators: Jörg Jores and Esther Schelling*)

**Group 3:** Echinococcosis Control and Elimination (*Moderators: Paul Torgerson and Bolor Bold*)

**Group 4:** Zoonotic Trypanosomiasis Control (*Moderators: Sue Welburn and Pascal Mäser*)

**Group 5:** Rickettsia and Other Rodent-Related Zoonoses (*Moderators: Stephen Leib and Daniel Paris*)

**Group 6:** Leptospirosis Control: What is at Stake? (*Moderators: Jan Hattendorf and Anou Dreyfus*)

*Preparation of a short report on key recommendations: 1) general approach for control and elimination; and 2) future focus of research where Swiss TPH and its partners can contribute.*

##### 15:30 Coffee Break

#### Session 4 – Feedback Day 1

- 16:00** Science Café Conclusions, (*Moderator: Jakob Zinsstag, Swiss TPH*)  
*5 minutes each group; 30 minutes general discussion*  
**17:00** End of Day 1

## PROGRAMME Day 2

### Friday, 7 December 2018

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#### Session 5 – Zoonoses Control Tools

*Moderator: Esther Schelling, Swiss TPH*

- 09:00 **Integrated Human and Animal Disease Surveillance and Response**, *Fayiz Abakar, Institut de Recherche en Elevage pour le Développement, Chad and Swiss TPH with Yahya Maidane, Jigjiga University, Ethiopia and Swiss TPH*
- 09:25 **Transdisciplinary Approaches to Zoonoses Control**, *Monica Berger, Universidad del Valle, Guatemala and Swiss TPH*
- 09:50 **Zoonoses, Microbiomes and Non-Communicable Diseases**, *Nicole Probst-Hensch, Swiss TPH*
- 10:15 **Coffee Break**
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#### Session 6 – Foodborne, Viral and Arthropod-Borne Zoonoses

*Moderator: Nicole Probst-Hensch, Swiss TPH*

- 10:45 **Foodborne Zoonosis in Switzerland and beyond**, *Daniel Mäusezahl, Swiss TPH*
- 11:10 **Emerging Viral Zoonoses (Non-Arthropod-Borne)**, *Isabella Eckerle, University of Geneva*
- 11:35 **Arthropod-Borne Zoonoses: How do we Protect Europe?**, *Giulia Paternoster, University of Zürich*
- 12:00 **Lunch**
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#### Session 7 – Science Café

13:15 **Breakout Sessions**

**Group 1:** Zoonoses Control Tools (*Moderators: Fayiz Abakar and Monica Berger*)

**Group 2:** Zoonotic TB Control (*Moderators: Rudovick Kazwala and Sonia Borrell*)

**Group 3:** Zoonoses, Microbiomes and NCDs (*Moderators: Pascale Vonaesch and Nicole Probst-Hensch*)

**Group 4:** Foodborne Zoonoses Control (*Moderators: Gertraud Schüpbach and Daniel Mäusezahl*)

**Group 5:** Emerging Viral Zoonoses: Prevention and Control (*Moderators: Blaise Genton and Isabella Eckerle*)

**Group 6:** Integrated Surveillance and Response Systems (*Moderators: Giulia Paternoster and Yahya Maidane*)

*Preparation of a short report on key recommendations: 1) general approach for control and elimination; and 2) future focus of research where Swiss TPH and its partners can contribute.*

14:45 **Coffee Break**

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#### Session 8 – Feedback Day 2

- 15:15 **Video Premier: Support Project for the Health Districts in Chad (Yao and Danamadji)**
- 15:20 **Science Café Conclusions**, (*Moderator: Jakob Zinsstag, Swiss TPH*)  
*5 minutes each group; 30 minutes general discussion*
- 16:05 **Closing Words**, *Jürg Utzinger, Swiss TPH*
- 16:20 **End of Symposium**
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#### Rudolf Geigy Award Ceremony

16:30 **Rudolf Geigy Award Ceremony**, *Marcel Tanner, President R. Geigy-Stiftung*

17:30 **Cocktails**

*To register visit: [www.swisstph.ch/events](http://www.swisstph.ch/events)*

## Welcome and Greetings

**Jakob Zinsstag**, Swiss TPH, Basel

Jakob Zinsstag, Prof., PhD, is a veterinarian with a PhD in tropical animal health. He spent eight years in West Africa at the International Trypanotolerance Centre in The Gambia and four years as the director of the Centre Suisse de Recherches Scientifiques in Côte d'Ivoire. Since 1998, Zinsstag heads a research group on human and animal health at the Swiss TPH. Since 2011, he has served as deputy head of the Department of Epidemiology and Public Health at Swiss TPH. Zinsstag focuses on the control of zoonoses in developing countries and the provision of health care to mobile pastoralists using a One Health approach. He was previously president of the International Association for Ecology and Health and president of the scientific board of the Transdisciplinary network of the Swiss Academies.



## Session 1 – Ongoing Research

**Daniel Paris**, Swiss TPH, Basel – *Moderator*

Daniel Paris, MD, PhD, DTMH, is a clinical doctor and researcher who joined Swiss TPH in January 2017 as Medical Director and Head of the Department of Medicine at Swiss TPH. His position incorporates the fusion of two predominantly service-oriented departments into a single medical department, with the addition of clinical translational research and diagnostic methodologies. Paris is a Swiss national, clinically trained at the University of Zurich. He spent the past 12 years working in clinical research in Southeast Asia for the University of Oxford, based in Bangkok as coordinator of clinical tropical medicine research with a focus on tropical rickettsial illnesses, diagnostics, clinical trials and causes-of-fever studies.



**Monique Léchenne**, Exeter University, UK

Monique Léchenne is trained in veterinary medicine (vet. med) at the Vetsuisse Faculty in Bern and holds a PhD in epidemiology obtained at the Swiss TPH, University of Basel in 2015. Her thesis, conducted in N'Djaména (Chad) included many aspects of rabies control including dog mass vaccination, surveillance, transmission dynamics and public awareness. From 2016-2018, she coordinated a GAVI funded study on the estimation of rabies burden and vaccine demand in West and Central Africa (Chad, Mali, Côte d'Ivoire and Liberia). Currently, she is a postdoc fellow at the Environment and Sustainability Institute, University of Exeter, where she studies seasonal movements and diet of rural domestic dogs to understand the transmission of Guinea Worm (*Dracunculus Medinensis*) in this specie. Her special interest lies in the determinants of access of small domestic animals to veterinary services in the African context for the sustainable control of zoonotic diseases in dogs and cats.



**Esther Schelling**, Swiss TPH

Esther Schelling, PhD, is project leader at the Swiss TPH. She is currently moving from operational research towards more implementation. For many One Health and integrated health service topics, there is evidence that committing to intersectoral disease control approaches can importantly improve health while making good use of resources, but practical implementation knowledge lags behind these assessments. For example, it is not known if livestock brucellosis vaccination can be delivered together with other routine livestock vaccinations. One Health approaches can strengthen health service delivery. Beneficiary communities are also those generally neglected in provision of social services including health, insurances or education in resource-poor settings.



**Bolor Bold**, National Center for Zoonotic Diseases, Mongolia

Bolor Bold is an epidemiologist with a medical background. She completed her medical school in Mongolia 2008-2012. Bold's master's degree dissertation was in environmental epidemiology. After completing her master's degree in South Korea in 2011, Bold mainly specialized in epidemiology of zoonotic and vector-borne diseases. Her main work experience is from the National Center of Zoonotic Diseases in Mongolia as a researcher. In 2018, Bold completed her PhD entitled, "Burden, cost of disease and optimization of clinical management of cystic echinococcosis in Mongolia" at SwissTPH.



## Session 2 – New Plans

**Jakob Zinsstag**, Swiss TPH, Basel – *Moderator*

See above.

**Sue Welburn**, University of Edinburgh, UK

Sue Welburn (FRSE) is Prof. of medical and veterinary Molecular epidemiology and the executive dean of the Zhejiang University – University of Edinburgh Institute. Welburn is the first co-chair of the UK-China Joint Institute Alliance and a fellow of The Royal Society of Medicine, The Royal Society of Biology, and The Royal Society of Edinburgh. She has a strong commitment to research on interventions for disease control in the global south and has more than 25 years' experience working on zoonotic trypanosomiasis, and developing integrated One Health control methodologies for neglected zoonoses which are major causes of ill-health in Africa, Asia and Latin America. With colleagues in the private sector, and Makerere University, Uganda, Welburn established a public-private partnership for the control of sleeping sickness in Uganda averting an epidemic of sleeping sickness. Her research was judged as one of 20 projects, from over 7000 considered, to have made significant impact in international development in 2016. Welburn advises DFID, WHO, OIE, FAO and the EU on novel finance and neglected zoonotic disease control.



**Daniel Paris**, Swiss TPH

See above.

### Anou Dreyfus, Swiss TPH

Anou Dreyfus, Dr. med. vet, MSc, PhD, is a veterinary epidemiologist with laboratory and national and international public health work experience. Her main interests are the investigation and control of neglected zoonotic diseases at the human-animal interface, in order to improve human and animal health and welfare. Dreyfus acquired a strong epidemiological expertise in the field of leptospirosis research during the last 10 years, where she led and conducted several epidemiological field studies in New Zealand (PhD) and Uganda (post-doc) in a One Health context. Dreyfus is a senior scientist in the Medical Department of the Swiss Tropical and Public Health Institute, which she joined in October 2017. She is building up a zoonotic disease group, establishing research and diagnostics for zoonotic pathogens with a focus on leptospirosis and rickettsial diseases.



## Session 3 – Science Café

### Group 1a: Rabies Control and Elimination

**Bernadette Abela-Ridder**, PhD, works in the Department for the Control of Neglected Tropical Diseases (NTDs) of the World Health Organization (WHO) as the team leader on neglected zoonotic diseases and NTDs that have a human animal interface. She is closely involved in advancing common areas of work with FAO, OIE and other global health actors. Bernadette previously worked in the WHO Department of Food Safety and Zoonoses working on capacity building and global early warning for zoonotic events and led the WHO global burden of leptospirosis study. Abela-Ridder is a veterinary epidemiologist by training and previously worked for the US Food and Drug Administration on antimicrobial resistance, for l'Institut de recherche pour le développement (IRD) in Cameroon on emergence of simian immunodeficiency viruses from non-human primates including bushmeat, the Food and Agriculture Organization of the U.N. on veterinary public health, and in clinical veterinary practice.



**Monique Léchenne**, see above

### Group 2a: Brucellosis Control and Elimination

**Jörg Jores**, Prof., graduated from vet school in Berlin in 1996. Afterwards, he started his Ph.D. conducting research on Vibrio that were isolated from the Baltic Sea at the German Federal Research Institute for Disease Control and Prevention (Robert Koch-Institute). Jores then moved to the Institute of Microbiology and Epizootics (Veterinary Faculty) at the Free University Berlin and worked as a scientific staff member on intestinal pathogens such as Escherichia coli. In 2005, Jores began at the International Livestock Research Institute in Nairobi, Kenya to familiarize himself with components of immunology related to vaccine design and to do applied research. It was very tempting to work interdisciplinary in an international environment and to contribute to research outputs that can not only have an impact on the wellbeing of animals, but, also on the livelihood of people. In 2016, Jores was appointed as director of the Institute of Veterinary Bacteriology at the Vetsuisse Faculty Bern, University of Bern. His field of expertise is microbiology, with focus on Mycoplasma and synthetic genomics. The rapidly growing world population, and commensurate demand for more food and animal protein, plays an important role in motivating his principal research interests.



**Esther Schelling**, see above

### Group 3a: Echinococcosis Control and Elimination

**Paul Torgerson** is a qualified veterinarian (University of Cambridge, 1986) and has a PhD in parasitology also from the University of Cambridge, 1992. Since 2009, he is professor of veterinary epidemiology at the University of Zürich. Torgerson's major research interest is the epidemiology, transmission and socio-economic burden of parasitic zoonoses. He has published over 200 peer-reviewed papers, mostly on the epidemiology of parasitic zoonoses including several of foodborne diseases. These include major contributions to the global burden of foodborne diseases coordinated by WHO.



**Bolor Bold**, see above

### Group 4a: Zoonotic Trypanosomiasis Control

**Pascal Mäser** graduated from the University of Basel in 1998 with a Ph.D. in microbiology on the mechanisms of drug resistance in African trypanosomes. As a postdoc at UC San Diego, he studied ion transporters in plants. He returned to Switzerland, University of Bern, in 2002 as an assistant professor for molecular parasitology and bioinformatics. In 2009, he joined the Swiss Tropical and Public Health Institute. Pascal Mäser is head of the Parasite Chemotherapy Unit, a drug discovery platform that has been instrumental to the development of several new drug candidates, including fexinidazole for sleeping sickness and artefenomel for malaria. Pascal Mäser is an associate professor for parasitology and protozoology of the University of Basel. His research focuses on drug discovery for trypanosomatid parasites and malaria, mode of drug action, and mechanisms of drug resistance.



**Sue Welburn**, see above

### Group 5a: Rickettsia and Other Rodent-Related Zoonoses

**Stephen Leib**, Prof., MD, is the director of the Institute for Infectious Diseases, full professor and chair for clinical microbiology at the University of Bern, Switzerland. His research activity is focused on infectious diseases of the brain with an emphasis on processes of neuronal injury and brain tissue repair in meningitis and viral encephalitis. Leib has authored over 150 peer-reviewed publications and serves in multiple national and international committees.



**Daniel Paris**, see above

### Group 6a: Leptospirosis Control: What is at Stake?

**Jan Hattendorf** is an epidemiologist in the Epidemiology and Public Health Department at the Swiss TPH with focus on zoonotic diseases, soil transmitted helminths and water, sanitation and hygiene. He is a university lecturer at undergraduate, graduate and postgraduate level. Hattendorf published five book chapters and more than 100 scientific articles in international peer reviewed journals..



**Anou Dreyfus**, see above

## Session 4: Feedback Day 1

**Jakob Zinsstag**, Swiss TPH, see above

## Session 5: Zoonoses Control Tools

**Daniel Mäusezahl**, Swiss TPH - *Moderator*

**Fayiz Abakar**, Institut de Recherche en Elevage pour le Développement, Chad

Fayiz Abakar, PhD, is an epidemiologist and public health specialist trained at the Swiss TPH, University of Basel, (Switzerland). He belongs to a research group that has been working since almost twenty years in Chad on improving health care for mobile pastoralists and local communities. Fayiz has conducted several research activities in health system, including studies on the effectiveness and equity of health interventions and the capacity of health systems to provide adequate health services to rural agro-pastoralist communities in developing countries, particularly in Africa, within "One Health" context. His doctoral thesis focused on the establishment of a new integrated surveillance system for human and animal health that could better address the risks of endemic, emergent and re-emerging diseases in Africa. Currently, he is implementing this innovative approach of health surveillance-response on a small-scale in Chad within a framework of postdoctoral research ([www.afriqueoneaspire.org](http://www.afriqueoneaspire.org)). In addition to that, Fayiz gained extensive experience of many years working in a veterinary and public health research institute in Chad focusing on zoonotic diseases. He is also an expert in biosafety and biosecurity and he is the current vice-president of the African Biological Safety Association (AfBSA: [www.afbsa.org](http://www.afbsa.org)).



**Yahya Maidane**, Jigjiga University, Ethiopia

Yahya Osman is a lecturer of veterinary medicine at Jigjiga University of Ethiopia. He received his doctor of veterinary medicine from Haramaya University of Ethiopia. Maidane worked as animal health officer in livestock and pastoralist development of Ethiopian Somali region(SRS) for three years and then, promoted as veterinary regional laboratory head, served for another three years before he moved to Jigjiga University as a lecturer. Maidane also participates in research aimed to solve the problems of the pastoralist in the region. Currently, he is a master student at Swiss TPH and working on a project entitled, "Integrated human and animal syndrome surveillance using mobile communication in pastoral area of SRS."



**Monica Berger**, Universidad del Valle, Guatemala

Mónica Berger, PhD, is a sociocultural anthropologist from Guatemala with 10-year experience in environmental anthropology as the head of a non-profit focused on research and implementation of indigenous knowledge for adaptation to climate change. She obtained a PhD at ETH Zurich focusing on intercultural transdisciplinary research between indigenous and western medical systems, shifting her research focus to collaborative mechanisms for knowledge co-production in intercultural North-South health research. Berger is a postdoc at Swiss TPH in the Human and Animal Health unit of the Epidemiology and Public Health department. Her current research focuses on participatory mechanisms for zoonotic disease surveillance among indigenous communities, the role of transdisciplinary processes for impacting health policy and action, and knowledge co-production for improving cultural pertinence in healthcare services.



**Nicole Probst-Hensch**, Swiss TPH

Nicole Probst-Hensch, PhD, is Associate Professor at the Medical Faculty of the University of Basel and head of Epidemiology and Public Health at Swiss TPH. Originally a pharmacologist, she received her PhD training in epidemiology at UCLA, held a research professor position at USC in Los Angeles, and is the former director of the National Institute of Cancer Epidemiology and Registration in Switzerland. Her research focuses on public health relevant mechanisms underlying chronic diseases. Probst-Hensch is an expert in genetics and biobanking and the principal investigator of the only Swiss national chronic disease biobank SAPALDIA, funded for more than 20 years by the Swiss National Science Foundation.



## Session 6: Foodborne, Viral and Arthropod-Borne Zoonoses

**Nicole Probst-Hensch**, Swiss TPH - *Moderator*

See above.

**Daniel Mäusezahl**, Swiss TPH

Daniel Mäusezahl PD, PhD, MPH (Berkeley) heads the Household Health Systems Research Group of the Household Economics and Health Systems Research Unit in the Department of Epidemiology and Public Health at Swiss TPH. His research deals mainly with environmental, health and social impact assessment, and he conducts health systems research with a portfolio focusing on surveillance and routine health data of infectious diseases in the global south and north, food safety- and environmental health interventions. His research in Switzerland focuses on the understanding of surveillance



data and the control of food- and waterborne diseases. Mäusezahl is co-director of the Swiss-Peruvian Health Research Platform with the Universidad Peruana Cayetano Heredia, Peru maintaining a research station in the Andes and a work portfolio on integrated approaches to improve household, environmental and child health.

#### **Isabella Eckerle**, University of Geneva, Switzerland

Isabella Eckerle studied medicine at the Ruprecht-Karls-University in Heidelberg and conducted her medical thesis at the German Cancer Research Center. She trained in Tropical Medicine and Internal Medicine at the University Hospital in Heidelberg. In 2011 she joined the group of Christian Drosten at the Institute of Virology in Bonn where she build up her own research group focusing on emerging viral diseases. Eckerle's research in Bonn included establishment of bat and rodent cell lines as well and studies on MERS-coronavirus. A further work focus was on the One Health approach, looking at livestock species in Ghana as an intermediate host for novel emerging viruses, with field experience in West- and Central Africa. During her time at the Institute she also gained her board certificate for microbiology, virology and infectious disease epidemiology. In 2017, she received her habilitation (*venia legendi*) at the Friedrich-Wilhelms-University in Bonn on "Epidemiology and risk assessment of zoonotic and tropical viruses" and the "Diploma in Tropical Medicine and Hygiene" at the Liverpool School of Tropical Medicine in Liverpool, UK. Since February 2018, she is working as associate professor at the Geneva Centre of Emerging Viral Diseases, Geneva, Switzerland.



#### **Giulia Paternoster**, University of Zürich, Switzerland

Giulia Paternoster is a veterinary epidemiologist with a strong interest in public health, infectious and zoonotic diseases. She is interested in the science-policy interface, particularly in neglected tropical diseases affecting underprivileged communities, epidemiological methods and their practical application to health policies within a One Health perspective. Paternoster studied veterinary medicine at the University of Bologna and at the University of Madrid. From 2012 to 2016, she has worked as epidemiologist in a veterinary public health institute (IZSLER, Italy) on projects related to infectious diseases surveillance, prevention, and control – particularly for arthropod-borne zoonoses such as leishmaniasis and West Nile disease. Since 2016, Paternoster is a member of the COST Action "Network for Evaluation of One Health" (NEOH), having co-authored a study on West Nile virus integrated surveillance in Italy. Between January and June 2017, she has worked as visiting researcher at Kansas State University (KSU, USA) on projects concerned with the development of risk assessment models for foreign animal diseases. Currently, Paternoster is a PhD candidate in epidemiology and biostatistics (Life Science Zurich Graduate School, Switzerland). The research project is on the epidemiology and transmission modelling of *Echinococcus* in Kyrgyzstan.



## Session 7 – Science Café

### Group 1b: Zoonoses Control Tools

**Fayiz Abakar**, see above.

**Monica Berger**, see above

### Group 2b: Zoonotic TB Control

**Rudovick R. Kazwala**, Prof., PhD, is a graduate of BVSc at Sokoine University of Agriculture, MVM (University College Dublin, Ireland) and PhD (University of Edinburgh, UK). He is professor of ecosystems and public health in the Department of Veterinary Medicine and Public Health, College of Veterinary and Medical Sciences, Sokoine University of Agriculture, Morogoro, Tanzania. Kazwala is the chairman of Veterinary Council of Tanzania, is a member of the International Health Regulations, Roster of Experts in Veterinary Issues, Zoonoses, and coordinates research on bacterial zoonoses (Brucellosis, Leptospirosis and Bovine tuberculosis), viral zoonoses (Rift Valley fever and Rabies) and foodborne pathogens (Salmonella and *Campylobacter*) in various networks in Africa (AfriqueOne, OHEART, ICONZ). For the past decade, Kazwala has been the Tanzanian director of Health for Animals and Livelihood Improvement (HALI) Project, and has led the USAID Emerging Pandemic Threats Program PREDICT Project in Tanzania, supporting the development of a wildlife disease surveillance and early warning system for high-risk viral pathogens. Recently, Kazwala has also been involved in the implementation of SEEDZ, HAZEL and Brucella Projects supported by BBSRC-ZELS initiative. He also leads AfriqueOne ASPIRE Thematic Training Programme on Brucellosis in East and West Africa.



**Sonia Borrell**, PhD, is a senior scientist and the BSL3 lab manager in the Tuberculosis Research uUnit (TBRU) at Swiss TPH. She obtained her PhD in clinical microbiology from the University of Barcelona. Borrell's PhD was mainly focused on understanding the tuberculosis (TB) transmission in the city of Barcelona, using molecular tools. She joined Sébastien Gagneux's group in 2009, as a postdoc at the National and Medical Research Institute in London, where she pursued *Mycobacterium tuberculosis* drug resistance evolution. Since 2010, she is in charge of the BSL3 laboratory at the Swiss TPH. Borrell's current main research activities are focused on understanding the consequences of drug resistance evolution in TB at a local and global scale. Applying experimental approaches and field population based studies; she does research to understand the main drivers of the multidrug resistance global TB epidemic.



### Group 3b: Zoonoses, Microbiomes and NCDs

Pascale Vonaesch, PhD, is a senior postdoctoral research fellow at the Institut Pasteur in Paris where she co-leads with Philippe Sansonetti the AfriBiota project aiming at studying the pathophysiology underlying chronic malnutrition (stunting) in two countries of Sub-Saharan Africa, Madagascar and the Central African Republic. Vonaesch was trained in microbiology, infection biology and public health at ETH Zürich, Université Paris Diderot and the Ecole Pasteur-CNAM. Further, she holds a PhD from the ETH in Zürich in host-pathogen interactions. In 2019, she will join the Swiss TPH with a SNF return Grant. Her research deals with tropical paediatric diseases and especially with the triad of infection, (under)nutrition and inflammation. In this context, she is especially interested in the role of the microbiota and associated



changes in the overall pathophysiology and in the long-term consequences this changes have on the children (metabolism, cognitive development etc.) and how these changes can be reverted as to allow all children a healthy growth. For her work, she combines fundamental approaches using in vitro systems, animal models and clinical studies.

**Nicole Probst-Hensch**, see above

#### Group 4b: Foodborne Zoonoses Control

**Gertraud Schüpbach** is a professor of veterinary public health and the head of the Veterinary Public Health Institute (University of Bern, Switzerland). She has extensive experience in veterinary epidemiology, surveillance and public health, with a focus on zoonoses and antimicrobial resistance. Schüpbach received her degree of veterinary medicine and her doctorate degree in 1997 from the Free University of Berlin, Germany. She specialized in veterinary epidemiology with an MSc degree from the University of Illinois, USA. From 1998 to 2009, Schüpbach worked as a researcher at the Swiss Federal Veterinary Office. Since 2011, she is professor at the University of Bern. Schüpbach is also a diplomat of the European College of Veterinary Public Health, and holds a German veterinary specialist degree in epidemiology. She is author of more than 100 peer-reviewed scientific publications.



**Daniel Mäusezahl**, see above

#### Group 5b: Emerging Viral Zoonoses

Blaise Genton is Professor of Tropical and Travel Medicine at Faculty of Biology and Medicine in Lausanne, Physician-Head at Division of Infectious Disease, Department of Internal Medicine, University Hospital Lausanne, as well as Group Leader in Clinical Epidemiology at Swiss TPH. He obtained his MD from University of Lausanne, his MSc from London School of Tropical Medicine and Hygiene, and his PhD from University of Basel. He spent more than 13 years in developing countries working mainly on malaria and non-malarial fevers. Genton has led many clinical trials and several large-scale projects to assess the impact of new interventions, most aiming at rational use of antimalarials and antibiotics. His research agenda focuses on evaluation of new drugs and vaccines, mainly in malaria, validation of new technologies in the field, promoting evidence-based policy change and evaluating the impact of new interventions when implemented in programmatic conditions in low income countries. He was heavily involved in the early evaluation of Ebola vaccines (phase 1/2 trials) during the West African epidemic.



**Isabella Eckerle**, see above

#### Group 6b: Integrated Surveillance and Response Systems

**Yahya Maidane**, see above

**Guilia Paternoster**, see above

## Session 8: Feedback Day 2

**Jakob Zinsstag**, Swiss TPH

See above

#### Closing Words: Jürg Utzinger, Swiss TPH, Basel

Jürg Utzinger is director of Swiss TPH and professor of epidemiology at the University of Basel. He holds an MSc in environmental sciences, a PhD in epidemiology and pursued several years of postdoctoral research in demography and epidemiology at Princeton University in the US. His research, teaching and training interests pertain to the epidemiology and integrated control of neglected tropical disease and health impact assessment of large footprint projects in low- and middle-income countries. He is engaged in transnational global health research consortia with ongoing projects in China, Côte d'Ivoire, South Africa and Tanzania.



## 10<sup>th</sup> Rudolf Geigy Awards Ceremony



**Marcel Tanner**,

President R. Geigy Foundation



Marcel Tanner, Prof. PhD, has been president of the R. Geigy Foundation since 1998. He was the director of the Swiss TPH from 1997 to 2015 and professor of epidemiology and medical parasitology at the University of Basel and at the Federal Institute of Technology. He is president of the Swiss Academy of Sciences. He also acted and acts as advisor on communicable diseases research and control, health systems strengthening and capacity building in various national and international agencies/bodies and in boards/committees such as e.g. WHO/STAC-TDR, Wellcome Trust, DNDi, NITD, FIND, INCLEN-Trust and INDEPTH Network. Marcel Tanner obtained a PhD in medical parasitology from the University of Basel and an MPH from the University of London.

Since 2000, the R. Geigy Foundation confers two awards to distinguished scholars in the field of tropical and neglected diseases and/or public health who combine laboratory and field research in novel ways. To mark the occasion, the awardees briefly present their research at a ceremony held in Basel every two years.

The award is to commemorate the spirit and achievements of Rudolf Geigy, the founder of the Swiss Tropical and Public Health Institute, born in 1902. For more information on the Geigy Foundation visit: [www.geigyfoundation.ch](http://www.geigyfoundation.ch)