



RSTMH Annual Meeting 2019 One Health

Monday September 16

17.00 Opening Plenary
18.30 Welcome Reception

Tuesday 17 September

| Time | Item |
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| 09:30 | Break |
| 10:00 | Welcome and introduction to the RSTMH annual meeting on One Health |
| 10:05 | <p>Session 1. Soulsby Lecture 2019 - the Changing World from a One Health Perspective Chair: Dr Judy MacArthur Clark, Meeting and Events Committee Chair, Royal Society of Tropical Medicine and Hygiene</p> <p>Professor Peter Hotez, Dean for the National School of Tropical Medicine, Baylor College of Medicine.</p> |
| 10:50 | <p>Session 2. Nudging professions to engage in One Health Chair: Professor the Lord Sandy Trees, Crossbench member of the House of Lords</p> <p><i>An interactive session exploring how we can use behavioural insights and nudge theory to engage multiple professions in working co-operatively across the spectrum of One Health.</i></p> <p>Felicity Algate, Director, Behavioural Insights Team: North</p> |
| 12.00 | <p>Session 3. Turbo talks on One Health and the Changing World Chair: Dr Hayley MacGregor, Institute of Development Studies, University of Sussex</p> <p><i>A series of five minute presentations:</i></p> <p>The molecular basis of viral promiscuity: what underlies the expanding host range of a high impact One Health virus, peste des petits ruminants? Camilla Benfield (UK/Mongolia)</p> <p>The re-emergent Brugia species in Sri Lanka identified as a novel strain of B. malayi with a close nucleotide homology to B. pahangi Chandana Harendra Mallawarachchi (Sri Lanka)</p> <p>Divergences in Anopheles gambiae behaviours and transmission of malaria and lymphatic filariasis in variously urbanised areas in rice fields, Côte d'Ivoire Julien Zahouli (Côte d'Ivoire)</p> <p>A One Health perspective for schistosomiasis control in Africa? Bonnie Webster (UK/Africa)</p> <p>Past human-animal interactions and the evolution of zoonoses in Ethiopia: A contribution from archaeology and ancient genetics Ophèlie Lebrasseur (UK/Africa)</p> |
| 12.30 | Lunch |

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| 14:00 | <p>Session 4. Introduction to One Health and Surveillance Chair: Professor Eric Fèvre, Chair of Veterinary Infectious Diseases, University of Liverpool <i>Panel discussion on the challenges and opportunities in health surveillance evidence and practices, as seen from various angles including economics, social sciences, and technological advances.</i></p> <p>Dr John Berezowski, Head of Research Group, Veterinary Public Health Institute, Universitat Bern Dr Hannah Brown, Associate Professor in the Department of Anthropology, Durham University Dr Lian Thomas, Institution for Infection and Global Health, University of Liverpool</p> |
| 14:50 | <p>Facilitated discussion groups</p> <p><i>An opportunity to discuss the themes from the panel in detail. A set of questions will be provided for groups to discuss. Feedback from this session will be given to the super panel to explore at the end of the meeting and inform RSTMHs ongoing work on One Health.</i></p> |
| 15:30 | <p><i>Break</i></p> |
| 16:00 | <p>Facilitated discussion group continued</p> |
| 16:20 | <p>Session 5. Turbo talks on One Health and Surveillance Chair: Dr John Amuasi, Executive Director, African Research Network for Neglected Tropical Diseases</p> <p><i>A series of five minute presentations:</i></p> <p>A novel method to monitor use of insecticide treated cattle to control human and animal African trypanosomiasis in Tanzania Rachel Lea (UK/Tanzania)</p> <p>Crimean-Congo Haemorrhagic Fever virus seroprevalence in Tanzanian livestock Ellen Clare Hughes (UK/Tanzania)</p> <p>Antimicrobial resistant bacteria in animals, food and humans. A study with One Health approach Christian Vinueza-Burgo (Ecuador)</p> <p>Identifying the role of the different reservoir hosts of zoonotic schistosomiasis in West Africa Elsa Leger (UK/Senegal)</p> <p>Towards a One-Health cost-effectiveness evaluation of African schistosomiasis control, a systematic review Louise Vince (UK/Senegal)</p> <p>Prevalence and genetic diversity of T. gondii in pigs from Yucatan, Mexico Ana Isabel Cubas Atienzar (UK/Mexico)</p> |
| 17:00 | <p>Session 6. Turbo talks on general One Health Chair: Dr Chris Parry, Consultant Clinical Microbiologist and Infection Control Doctor</p> <p>Transmission networks of Cryptosporidium spp. in rural sub-Saharan Africa: a multi-country study Ralf Krumkamp (Germany/Sub-Saharan Africa)</p> <p>Poultry value chains shaping avian influenza viral transmission in Bangladesh Punam Mangtano (UK/Bangladesh)</p> <p>“They say that if one heats milk, the cow will have sore breasts”: High risk of milk borne infections in Senegal due to pathogen presence and risky practices Bhagyalakshmi Chengat Prakashbabu (UK/Senegal)</p> <p>A One Health approach to investigating sources of infection with Cryptosporidium and Giardia in rural areas of Tigray, Ethiopia Tsegabirhan K/yohannes Tesama (Norway/Ethiopia)</p> |

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| 17:30 | Wrap up of day one |
| 17:40 | RSTMH Awards Ceremony <i>Presentation of the Sir Patrick Manson and Chalmers Medals</i> |
| 18:10 | RSTMH Annual General Meeting <i>This is a member only session, non members who have booked annual meeting tickets are invited to join the Presidents reception.</i> |
| 18.30 | Presidents reception (separate venue) <i>For RSTMH members and Annual Meeting ticket holders only.</i> <i>Speeches from our outgoing President and new President.</i> |
| 20.30 | Close |

Day Two – Wednesday 18th September

| Time | Item |
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| 10:00 | Welcome to Day Two |
| 10:15 | Session 1. RSTMH Vice Presidents address Chair: Tamar Ghosh, Chief Executive, Royal Society of Tropical Medicine & Hygiene Dr Wendy Harrison, Executive Director, Schistosomiasis Control Initiative |
| 10.45 | Session 2. Introduction to One Health and Delivery of Healthcare Chair: Professor Sarah Cleaveland, Professor of Comparative Epidemiology, University of Glasgow <i>Panel discussion on the challenges and opportunities presented through co-ordinated delivery of healthcare and the evidence of benefits and optimised practices, seen from various angles including economics, social sciences, and technological advances.</i> Alicia Davis, Lecturer in Global Health, University of Glasgow Dr Christie Peacock, Founder, Sidai Africa Dr Cathy Roth, Senior Research Fellow – Infectious Diseases, Department for International Development (DfID) Professor Esther Schelling, Programme Director, Vétérinaires sans Frontières Suisse |
| 11.35 | Session 2 continued: One Health and Delivery of Healthcare - facilitated discussion groups Chair: Professor Sarah Cleaveland, Professor of Comparative Epidemiology, University of Glasgow <i>An opportunity to discuss the themes from the panel in detail. A set of questions will be provided for groups to discuss. Feedback from this session will be given to the super panel to explore at the end of the meeting and inform RSTMHs ongoing work on One Health.</i> |
| 12:35 | <i>Lunch</i> |

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| <p>14:00</p> | <p>Session 3. Turbo talks on One Health and Healthcare Delivery Chair: Professor David Lalloo, Director, Liverpool School of Tropical Medicine</p> <p><i>A series of five minute presentations:</i></p> <p>A proof-of-principle integrated health delivery platform, targeting soil-transmitted helminths (STH) and canine mediated human rabies, results in cost savings and increased breadth of treatment coverage for STH in remote rural communities in Tanzania Felix Lankester (USA/Tanzania)</p> <p>Evaluation of barriers to post-exposure prophylaxis in Blantyre, Malawi using a mixed-methods approach Sarah Stokes (UK/Malawi)</p> <p>The need to improve access to rabies post-exposure vaccines: lessons from Tanzania Joel Chungalucha (Tanzania)</p> <p>Management and control of ticks and tick-borne diseases affecting cattle by communal farmers in Zimbabwe Marvelous Sungirai (Zimbabwe)</p> <p>Healthy animals, healthy people: exploring agropastoral health seeking behaviours in response to febrile illness in northern Tanzania Jennika Virhia (UK/Tanzania)</p> |
| <p>14:30</p> | <p>Session 4. Turbo talks on general One Health Chair: Professor Ab Osterhaus, Chair, One Health Platform</p> <p>A dynamic model of bovine brucellosis in Punjab, India Hannah Holt (UK/India)</p> <p>Zoonoses research in the Horn of Africa: a scoping review Lisa Cavalerie (Ethiopia)</p> <p>Integrating spatially-explicit data and models to inform disease control interventions at the wildlife-livestock interface: the case of human and animal African trypanosomiasis in Serengeti, Tanzania Jennifer Lord (UK/Tanzania)</p> <p>The association of Buruli Ulcer Disease endemicity with major climatic, epidemiological and socio-environmental factors: a geospatial analysis from southern Nigeria Saskia Kriebich (Germany/Nigeria)</p> |
| <p>15:00</p> | <p>Session 5: Feedback sessions Chair: Professor Chris Whitty, Chief Scientific Adviser for the Department of Health and Social Care</p> <p>Feedback from surveillance group discussions</p> |
| <p>15:30</p> | <p><i>Break</i></p> |
| <p>16:00</p> | <p>Session 5 continued: Feedback sessions Chair: Professor Chris Whitty, Chief Scientific Adviser for the Department of Health and Social Care</p> <p>Feedback from delivery of healthcare group discussions</p> |

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| 16:30 | Session 6: Super-panel response and discussion. What is the role of RSTMH in Delivering One Health? Chair: Professor Chris Whitty, Chief Scientific Adviser for the Department of Health and Social Care Dr John Amuasi, Executive Director, African Research Network for Neglected Tropical Diseases (ARNTD) Dr Graeme Cooke, Deputy Chief Veterinary Officer, Department of Environment, Food and Rural Affairs (DEFRA) Professor David Molyneux, Editor in Chief, RSTMH International Health Professor the Lord Sandy Trees, Crossbench member of the House of Lords Professor Charlotte Watts, Chief Scientific Adviser, Department for International Development |
| 18:00 | Conclusions and close of meeting |

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