

World Expo Shanghai2010: 31st August 2010

International Symposium on EID and Zoonoses

Seminar Hall, Future Exploration Pavilion, UBPA, Shanghai Expo

Programme





Time	Theme	Speakers	Subject
10.00-10.10	Welcome	John Caldwell	
10.10-11.20	Why and how do diseases emerge?	Guan Yi (HK) Malcolm Bennett Shishan Yuan	Genesis and evolution of the pandemic H1N1 influenza virus/2009 Overview of ecology and evolution of infectious diseases Emerging infections and animal health in China
11.30-12.30	Food borne infections	Tom Humphrey Zhiyong Ma	Campylobacter and other food-borne zoonoses, especially from poultry Zoonotic problems in China
12.30 - 13.30	Climate change	Matthew Baylis, Liu Qiyong	Climate change and effects on disease
13.30-14.30	Lunch		
14.30-15.30	Rabies control and eradication	Tony Fooks Changchun Tu	Role of wildlife, various methods of control – esp vaccination, education, role of governments and policy
15.30-16.30	Disease ecology in people	Jonathan Read, Justin Lessler	How people become infected, and how epidemics spread – using influenza as main example. How do travel and mixing patterns affect the transmission of infections at the population scale? Incorporating sociology into disease models.
16.30-16.45	Wrap up	Malcolm Bennett	Summary of day and the main concepts/ideas covered. Introduction to following day's events



Next day:Zoonosis Workshop: to be held at Shanghai Veterinary Research Institute, Chinese Academy of Agricultural Sciences, No.518 Ziyue Road, Minhang District, Shanghai 200241, China

Contact: Professor Guang-Zhi Tong

Participants

People	Subject areas	Biographies	Addresses
Mathew Baylis 	Climate change / Vector-borne infections	Head of the Liverpool University Climate and Infectious Diseases of Animals team (LUCINDA). Bluetongue, plague, Japanese encephalitis and West Nile fever.	School of Veterinary Science, University of Liverpool Leahurst Campus Cheshire CH64 7TE matthew.baylis@liverpool.ac.uk
Malcolm Bennett 	Zoonoses / EID and ecosystem services approaches / policy	Founding co-director NCZR , Head of Veterinary School. Interests are the ecology/epidemiology of zoonotic agents, EID .	School of Veterinary Science, Veterinary Science Building, Liverpool L69 7ZJ m.bennett@liverpool.ac.uk
John Caldwell 	Public health / China-UK links, esp in medical research	Toxicologist/pharmacologist , now Pro-Vice Chancellor, Faculty of Health and Life Sciences, UoL. Very involved in health issues , with particular interests in health inequalities , workforce issues, new ways of working and emergency planning .	Foundation Building, University of Liverpool Liverpool L69 3BX jcc@liverpool.ac.uk
Tony Fooks 	Rabies diagnosis and control / molecular epidemiology	Leads the Rabies and Wildlife Zoonoses Group at the VLA Director of a WHO and OIE Centre for rabies and rabies-related viruses. Visiting Chair at Liverpool and Steering Group of NCZR . Undertakes lots of research in China with network of institutes and universities.	VLA Weybridge Veterinary Laboratories Agency Woodham Lane Addlestone KT15 3NB United Kingdom t.fooks@vla.defra.gsi.gov.uk
Guan Yi 	Emerging viral infections , in particular SARS and influenza viruses.	Dept Microbiology, Hong Kong University. Evolution of influenza viruses in animals and man (H5N1 and H1N1), and origins and evolution of SARS virus, including identification of non-human hosts.	Department of Microbiology University of Hong Kong University Pathology Building Queen Mary Hospital Compound Pokfulam Road, Hong Kong yguan@hku.hk
Tom Humphrey 	Food-borne zoonoses / poultry and pigs	Scientific director, NCZR, Professor of Food Safety, specialising in food- borne zoonoses, esp campylobacteriosis and salmonellosis from poultry and pigs.	NCZR, School of Veterinary Science, Leahurst, Neston CH64 7TE t.j.humphrey@liverpool.ac.uk

<p>Justine Lessler</p> 	<p>Infectious disease dynamics/ Influenza and vaccines</p>	<p>Projects to characterize immunological profiles to human influenza in space and time among individuals living in Guangdong province, China, and to build computational models that capture the transmission dynamics that could create the specific distributions observed. Also evaluation of candidate vaccine technologies using computational models.</p>	<p>Bloomberg School of Public Health, John Hopkins school of Public health, 615 N. Wolfe St., E6545 Baltimore MD 21205</p> <p>jlessler@jhsph.edu</p>
<p>Zhiyong Ma</p> 	<p>Zoonoses especially from pigs and poultry</p>	<p>Professor and Head of Division of Veterinary Public Health, Deputy Director of Animal-borne Food Safety Research Center, Shanghai Veterinary Research Institute. Focuses on host innate immunity against zoonotic viruses (swine influenza, Japanese encephalitis), control of food-borne zoonoses.</p>	<p>Department of Veterinary Public Health Shanghai Veterinary Research Institute Chinese Academy of Agricultural Sciences (CAAS) No. 518, Ziyue Road Shanghai, PR China</p> <p>Tel: +86-21-34293139 E-mail: zhiyongma@shvri.ac.cn</p>
<p>Liu Qiyong</p> 	<p>Vector-borne disease and climate change</p>	<p>Professor and Director, Department of Vector Biology and Control, Assistant Director, National Institute for Communicable Disease Control and Prevention, China CDC, Beijing. Focussing on climate change and vector born disease prevention and control, and public health emergency response</p>	<p>P.O. Box 5, Changping, Beijing,102206, P.R. China</p> <p>liuqiyong@icdc.cn</p>
<p>Jonathan Read</p> 	<p>Disease transmission / transmission networks and mathematical modelling</p> <p>http://www.zoonosis.ac.uk:8080/display/~jonread/Home</p>	<p>Transmission of infectious diseases and the evolutionary pressures acting on pathogens, at a variety of spatial and temporal scales (mathematical modelling). Quantifying behavioural aspect of disease transmission; social mixing and contact networks. Current studies include: MRC: "Social contact survey and modelling the spread of influenza". NIH: "Immune Landscapes of Human Influenza in Households, Towns, and cities of Southern China". ESRC and MRC: "Understanding behavioural responses to infectious disease outbreaks". WHO: "Influenza illness and vaccination in Asia: Data collection of social contact and mixing patterns". See also http://www.contactsurvey.org/</p>	<p>National Centre for Zoonosis Research, University of Liverpool Leahurst Campus Cheshire CH64 7TE</p> <p>jonread@liv.ac.uk</p>

<p>Guang-Zhi Tong</p> 	<p>Animal virology / emerging viruses of pigs</p>	<p>Director of the Shanghai Veterinary Research Institute, leading research on porcine viruses, including influenza, PRRS and Japanese encephalitis virus, including vaccine development.</p>	<p>Shanghai Veterinary Research Institute Chinese Academy of Agricultural Sciences, No.518 Ziyue Road, Minhang District, Shanghai 200241, China</p> <p>gztong@shvri.ac.cn</p>
<p>Changchun Tu</p> 	<p>Animal virology / rabies, SARS, CSFV</p>	<p>Professor of animal virology at Institute of Veterinary Sciences, Academy of Military Medical Sciences. Head of Diagnostic Laboratory on Rabies and Wildlife Associated Zoonoses, Chinese Ministry of Agriculture (MOA). Main research interests include molecular epidemiology, pathogenesis of rabies and CSF viruses, as well as the development of viral detection methods. Undertakes animal rabies control in collaboration with MOA. Currently twinning with Veterinary Laboratory Agency (Weybridge) of UK under OIE's support.</p>	<p>Institute of Veterinary Sciences, Academy of Military Medical Sciences, 1068 Qinglong Road, Changchun 130062, PR China</p> <p>changchun_tu@hotmail.com</p>
<p>Shishan Yuan</p>	<p>Animal virology / emerging viruses of pigs</p>	<p>Head of Division of Swine Infectious Diseases, Shanghai Veterinary Research Institute</p>	<p>Shanghai Veterinary Research Institute Chinese Academy of Agricultural Sciences, No.518 Ziyue Road, Minhang District, Shanghai 200241, China</p> <p>shishanyuan@shvri.ac.cn</p>