



# Global Microbial Identifier 8th Meeting

11-13 May, 2015, to be held at the Sunworld Dynasty Hotel, 50 Wangfujing Avenue, Beijing, China, 100006 P.R.C

## Final programme day 1: 11 May 2015

08:00-08:30	Registration and refreshments	
08:30-09:25	Symposium opening	Jianguo Xu, China CDC/Junshi Chen, China CFSA
09:25-09:55	Session 1: WGS as Tool for Surveillance and Epidemiology	Chair: Biao Kan, China CDC
	Keynote address: Building a Global Genomic Network for Pathogen Trace back and Outbreak Detection in Food Safety	Steve Musser, Food and Drug Administration, USA
09:55-10:15	Whole genome sequencing for human outbreak investigation of <i>Streptococcus suis</i> in China	Jianguo Xu, China CDC
10:15-10:35	The use of WGS data for surveillance systems. The Canadian experience	Gary Van Domselaar, Public Health Agency of Canada
10:35-10:50	Coffee break	
	Session 1 continued	Chair: Ruiting Lan, University of New South Wales, Australia
10:50-11:10	Microbiological Methods Validation: How do we prove that a method is fit for purpose?	Palmer Orlandi, Food and Drug Administration, USA
11:10-11:30	Bacterial genomic database for bacterial strain identification and source tracing	Ruifu Yang, Beijing Institute of Microbiology and Epidemiology, China
11:30-11:50	WGS: A Paradigm Shift in Public Health Food Safety Microbiology	Eija Trees, US Centres for Disease Control and Prevention, USA
11:50-12:10	Development of Chinese pathogenic bacteria detection network	Biao Kan, China CDC
12:10-13:30	Lunch & poster session	
13:30-14:00	Session 2: WGS for Detection/identification	Chair: Jørgen Schlundt, Dep. of Management Engineering, Tech. University of Denmark
	Keynote Address: European research perspectives - COMPARE	Rene Hendriksen, National Food Institute, Tech. University of Denmark
14:00-14:20	Human gut microbiome and antibiotic resistant bacteria	Xun Xu, Beijing Genomics Institute, China
14:20-14:40	Insights from 20 years of bacterial genome sequencing	Ole Lund, Dep. of Systems Biology, Tech. University of Denmark
14:40-15:00	Next generation sequencing in Pox virology	Andreas Nitsche, Robert Koch Institute, Germany
15:00-15:15	Coffee break	

	Session 2 continued	Chair: Jianghong Meng, JIFSAN, University of Maryland, USA
15:15-15:35	Bacterial molecular serotyping	Lei Wang, Nankai University, China
15:35-15:55	NGS progress and applications in pathogenic microorganism detection	Baoli Zhu, Chinese Academy of Science, China
15:55-16:15	Current progress on food borne disease surveillance in China	Yunchang Guo, China National Centre for Food Safety Risk Assessment, China
16:15-16:35	International complications re. the future use of WGS	Jørgen Schlundt, Dep. Of Management Engineering, Tech. University of Denmark
16:35-17:20	Q/A and panel debate	Jianguo Xu, China CDC Andreas Nitsche, R. Koch Inst., Germany Steve Musser, FDA, USA Ole Lund, Tech. University of Denmark
17:20-17:30	Closing remarks	Jianguo Xu, China CDC
18:00-20:00	Welcome dinner	

## Final programme day 2: 12 May 2015

09:00-09:10	Introduction – objectives of the conference	Jørgen Schlundt, Tech. University of Denmark
09:10-09:40	<b>Keynote Presentations:</b> Metagenomic sequencing helps us to find unprecedented genomic diversity of RNA viruses in arthropods	Yongzhen Zhang, China CDC, China
09:40-10:10	How WGS will support food safety collaboration across borders	James Pettengill, Food and Drug Administration, USA
10:10-10:30	Middle East Respiratory Syndrome (MERS) – spreading to Asia – NGS for characterisation	Peter Ben Embarek, World Health Organisation
10:30-10:40	Overall status of GMI	Jørgen Schlundt, Tech. University of Denmark
10:40-10:50	Report from WG 1: Political challenges, outreach and building a global network	Jørgen Schlundt, Tech. University of Denmark
10:50-11:00	Report from WG 2: Repository and storage of sequence and meta-data	William Klimke, NCBI, NIH, USA
11:00-11:30	Coffee break and poster session	
11:30-11:40	Report from WG 3: Analytical approaches	Ruth Timme, Food and Drug Administration, USA
11:40-11:50	Report from WG 4: Ring trials and quality assurance	Rene Hendriksen, National Food Institute, Tech. University of Denmark
11:50-12:00	Report from WG 5: Pilot projects	Steven Musser, Food and Drug Administration, USA/James Pettengill, Food and Drug Administration, USA
12:00-12:20	FDA Genome Trakr	Ruth Timme, Food and Drug Administration, USA
12:20-12:40	COMPARE: The data infra-structure beneath	Guy Cochrane, EMBL, European Bioinformatics Institute, UK
12:40-12:50	Introduction to Global Catalogue of Microorganisms (GCM)	Juncai Ma, WFCC-MIRCEN World Data Center of Microorganisms (WDCM), China

12:50-14:00	Lunch and poster session	
14:00-14:15	Introduction to breakout sessions	Jørgen Schlundt, Tech. University of Denmark
14:15-15:45	Breakout session 1 for working groups	WG Chairs
15:45-16:15	Coffee break & poster session	
16:15-16:35	Experience in establishing WGS in Tanzania	Gibson Kibiki, Kilimanjaro Christian Research Institute, Tanzania
16:35-16:55	Nestlé's application of WGS	Leen Baert, Nestlé
16:55-17:05	Feedback WP3 Survey	Ruth Timme, Food and Drug Administration, USA

### Final programme day 3: 13 May 2015

09:00-09:15	Recap of objectives/achievements	
09:15-09:35	Global use of WGS in ICOPHA1	Wondwossen A. Gebreyes, Ohio State University, USA
09:35-09:50	International Expert Meeting on WGS	Peter Ben Embarek, WHO/Masami Takeuchi, FAO
09:50-10:00	OIEs approach regarding whole genome sequencing	Barbara Freischem, OIE
10:00-10:05	GMI9 – Invite from the hosts (FAO/Rome)	Masami Takeuchi, FAO
10:05-10:35	Coffee break and poster session	
10:35-12:30	Breakout Session 2 for working groups	WG Chairs
12:30-13:30	Lunch and poster session	
13:30-14:30	Feedback from WG 1-5 breakout sessions	WG Chairs
14:30-15:30	Plenary Q&A/discussion session/including new suggestions for steering committee members. Conference close	
15:30-16:30	GMI steering committee (closed meeting)	