

EFSA Scientific Colloquium N°20

Use of Whole Genome Sequencing (WGS) of food-borne pathogens for public health protection
16-17 June 2014 | Parma, Italy

Final programme

Overall chair

Marc Struelens, European Centre for Disease prevention and control (ECDC), SE

Overall rapporteur

Benno Ter Kuile, Office for Risk Assessment, Netherlands Food and Consumer Product Safety Authority, Utrecht, NL

Monday 16 June

08:30-09:00 Registration participants

08:15-08:45 Briefing meeting with all chairs and rapporteurs

09:00-12.30 SESSION 1: INTRODUCTORY PLENARY SESSION

09:00-09:10 **Welcome and introduction to EFSA**

Marta Hugas, European Food Safety Authority, IT

09:10-09:25 **Objectives of the Colloquium**

Rene Hendriksen, National Food Institute, Technical University of Denmark, Copenhagen, DK

Marc Struelens, European Centre for Disease prevention and control (ECDC), SE

09:25-09:45 **Establishing a Whole Genome Sequence-Based national network for the detection and traceback of foodborne pathogens**

Marc Allard, Food and Drug Administration (FDA), USA

09:45-09:55 Questions

09:55-10:15 **Whole genome sequencing of foodborne pathogens: experiences from the reference laboratory**

Kathie Grant, Public Health England, UK

10:15-10:25 Questions

10:25-10:55 COFFEE / TEA BREAK

10:55-11:15 **One disrupting technology fits it all – towards standardized bacterial Whole Genome Sequencing for global surveillance**

Dag Harmsen, University of Münster, DE

11:15-11:25 Questions

11:25-11:45 **Canada's IRIDA project for genomic epidemiology of food-borne pathogens**

Gary Van Domselaar, Public Health Agency of Canada, CA

11:45-11:55 Questions

11:55-12:15 **Identification and characterization of foodborne pathogens by whole genome sequencing: a shift in paradigm**

Peter Gerner-Smidt, Centers for Disease Control and Prevention (CDC), USA

12:15-12:25 Questions

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12:25-12:35 **General discussion**

12:35-12:40 **Introduction to Discussion Groups**
Andrea Germini, European Food Safety Authority, IT

12:40-14:00 **LUNCH**

14.00-18.00 **SESSION 2: DISCUSSION GROUPS (DG)**

DG 1 **WGS of foodborne pathogens in action** Chair: **Martin C.J. Maiden**, University of Oxford, Department of Zoology, UK
Rapporteur: **John Rossen**, University Medical Centre Groningen, NL

During the session a presentation will be shared by *Catherine Carrillo, Canadian Food Inspection Agency, CA* on **Genomics Integration in Food Inspection**

DG 2 **Curation and analysis of WGS data: bioinformatics solutions** Chair: **Jonathan Green**, Public Health England, London, UK
Rapporteur: **João André Carriço**, Faculdade de Medicina de Lisboa, PT

DG 3 **WGS of foodborne pathogens: cross-sectorial coordination and international cooperation** Chair: **Dorte Lau Baggesen**, National Food Institute, The Technical University of Denmark, DK
Rapporteur: **Johanna Takkinen**, European Centre for Disease prevention and control (ECDC), SE

16:00 **COFFEE/TEA BREAK**

18:00 **End of Discussion Groups**

20:00 **DINNER**

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- 09:00-10:00** **SESSION 3: CONTINUATION OF DISCUSSION GROUPS**
Including discussion on the outcomes of the discussion groups and the production of reports to the plenary session
- 10:00-10:30** **COFFEE/TEA BREAK**
- 10:30-13:30** **SESSION 4: FINAL PLENARY SESSION**
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| 10:30-10:50 | Report back from Discussion Group 1 | John Rossen , University Medical Centre Groningen, NL |
| 10:50-11:10 | Discussion | |
| 11:10-11:30 | Report back from Discussion Group 2 | João André Carriço , Faculdade de Medicina de Lisboa, PT |
| 11:30-11:50 | Discussion | |
| 11:50- 12:10 | Report back from Discussion Group 3 | Johanna Takkinen , European Centre for Disease prevention and control (ECDC), SE |
| 12:10-12:30 | Discussion | |
| 12:30-13:00 | General discussion | |
| 13:00-13:30 | Take-home messages | Benno ter Kuile , Office for Risk Assessment, Netherlands Food and Consumer Product Safety Authority, NL |
- 13:30** **COLLOQUIUM ADJOURNS**

Organising Committee

Frank Møller Aarestrup, *National Food Institute, Technical University of Denmark, DK*
Dorte Lau Baggesen, *National Food Institute, The Technical University of Denmark, DK*
João André Carriço, *Faculdade de Medicina de Lisboa, PT*
Jonathan Green, *Public Health England, London, UK*
Benno Ter Kuile, *Office for Risk Assessment, Netherlands Food and Consumer Product Safety Authority, NL*
Martin C.J. Maiden, *University of Oxford, Department of Zoology, UK*
John Rossen, *University Medical Centre Groningen, NL*
Marc Struelens, *European Centre for Disease prevention and control (ECDC), SE*
Johanna Takkinen, *European Centre for Disease prevention and control (ECDC), SE*