



Programme

Monday 24th September 2018

7.30 – 9.00 Welcome and registration

9.00 – 9.30 Opening ceremony

9.30 – 12.00 Session 1. Interactions between hosts, microbiota and *Salmonella*

Chairpersons: A.J. Baumler (USA) and P. Velge (France)

9.30 – 10.00 Keynote : The pyromaniac inside you: *Salmonella* metabolism is the host gut.
Andreas J. Baumler (USA)

10.00 – 10.45 Oral communications

Bioluminescent *Salmonella* Strains to Study Host - Pathogen Interaction in Chicken
Wolfgang Koester (Canada)

Virulence classification of phylogenetically distinct *Salmonella enterica* serovars using different cell-based assays and the murine systemic infection model.
France Daigle (Canada).

Structure and function of chicken gut microbiota.
Ivan Rychlik (Czech Republic).

10.45 – 11.30 Coffee break and poster session

10.30 – 12.00 Oral communications

Salmonella shedding levels are related to the chicken gut microbiota composition.
Florent Kempf (France).

Cellulases of *Salmonella* Typhimurium and their role in *Salmonella*-plant interactions.
Sima Yaron (Israel).

12..00 – 13.30 Lunch

13.30 – 15.30 Session 2. Ecology and epidemiology along the food chain

Chairpersons: A. Ricci (Italy) and M. Chemaly (France)

13.30 – 14.00 Keynote: Persistence of *Salmonella* spp. along the food chain: examples and reasons of a successful story.
Antonia Ricci (Italy)

14.00 – 15.30 Oral communications

Where, and How You Sample Really Does Matter ?
Helen Crabb (Australia).

Iron-acquisition genes and siderophore production are induced by *Salmonella* Enteritidis in egg white at temperatures around the natural body temperature of hens.
Louis Julien (United Kingdom).

Ecology of *Salmonella* spp. and antimicrobial resistance in a pig slaughterhouse.
Arnaud Bridier (France).

Salmonella Infantis in Austria.
Peter Mitsch (Austria).

Investigation on *Salmonella* spp. in the cattle production in France.
Laetitia Bonifait (France).

Do Invasive and Alien Turtles account for vector of *Salmonella* spp.?
Olga Goławska (Poland).

15.30 – 16.30 Coffee break and poster session

16.30 18.00 Session 3. Risk assessment and control

Chairpersons: R. Pouillot (Unites States of America) and J.C. Augustin (France)

16.30 – 17.00 Keynote: *Salmonella* dose-response: anything new since 2002?
Régis Pouillot (Unites States of America)

17.00 – 18.00 Oral communications

Machine learning is a potentially innovative method for source attribution using next generation sequencing data: case of *Salmonella* Typhimurium.
Nanna Munck (Denmark).

Microbiological risk assessment of salmonellosis linked to the consumption of blue veined cheese.
Valérie Michel (France).

Assessing case-finding capacity in the evaluation of *Salmonella* surveillance in Swedish cattle.
Estelle Ågren (Sweden).

Priority measures to control *Salmonella* in the French pig industry: Review on the efficacy of measures and quantitative microbiological risk assessment for *Salmonella* spp. in pig.
Diane Cuzzucoli (France).

19.00 – 23.00 Official Cocktail and dinner

Tuesday 25th September 2018

9.15 – 12.00 Session 4. Antimicrobial resistance

Chairpersons: V. Burrus (Canada) and A. Cloeckert (France)

9.15 – 9.45 Keynote: Dissemination of antibiotic resistance in *Salmonella* spp.: Interplay between IncC conjugative plasmids and *Salmonella* spp. genomic island 1.

Vincent Burrus (Canada)

9.45 – 10.30 Oral Communications

The use of a combined bioinformatics approach to locate antibiotic resistance genes on plasmids from whole genome sequences of *Salmonella enterica* from humans in Ghana.

Egle Kudirkiene (Denmark).

The persistence of antimicrobial resistance in *Salmonella* Typhimurium in a poultry population with no antimicrobial selection pressure.

Helen Crabb (Australia).

Salmonella enterica serovar Infantis from food and human infections, Switzerland, 2010-2015: Poultry-related multidrug resistant clones and an emerging ESBL producing clonal lineage.

Guido Bloemberg (Switzerland).

10.30 – 11.30 Coffee break and poster session

11.30 – 12.00 Oral communications

Diversity, invasiveness and antimicrobial resistance in non-typhoidal *Salmonella enterica* isolated from humans in Australia, 1979-2015.

Mary Valcanis (Australia).

Changes in susceptibility to antibiotics in epidemic *Salmonella enterica* serovars after exposure to simulated gastrointestinal conditions in chicken breast.

Marciane Magnani (Brazil).

12.00 – 13.30 Lunch

13.30 – 15.15 Session 5. Whole Genome Sequencing

Chairpersons: A. Mather (United Kingdom) and F.X. Weill (France)

13.30 – 14.00 Keynote: Genomic insights into *Salmonella* sources and spread through sequencing

14.00 – 15.15 Oral communications

How the integration of whole genome sequencing and epidemiological data is being used in outbreak detection and investigation of *Salmonella* outbreaks in England.

Lesley Larkin (United Kingdom).

Enterobase: Database and GUIs for dealing with all the sequenced genomes of *Salmonella*, *Escherichia*, *Clostridiodes*, *Yersinia*, and *Moraxella*.

Mark Achtman (United Kingdom).

Global diversity of *Salmonella* Infantis.
Jennifer Mattock (United Kingdom).

Genome diversity of *Salmonella enterica* subspecies enterica serotype Derby from animal to human: polyphyletic structure, specific host-association and sporadic cases source attribution.
Sabrina Cadel Six (France).

A retrospective whole-genome-based study of *Salmonella* Dublin isolated from cattle and humans in Denmark, 1996-2015.
Egle Kudirkiene (Denmark).

15.15 – 16.15 Coffee break and poster session

16.15 – 18.15 Session 6. Detection and Characterization

Chairpersons: B. Malorny (Germany) and A. Brisabois (France)

16.15 – 16.45 Keynote: Recent developments of molecular methods for the detection and characterization of *Salmonella* spp. in the age of whole-genome sequencing.
Burkhard Malorny (Germany)

16.45 – 18.00 Oral communications

Can we harmonise incubation temperatures of 35-37°C for detection of *Salmonella* spp.?
Kirsten Mooijman (The Netherlands).

SeqSero2: rapid and improved *Salmonella* serotype determination using whole genome sequencing data.
Xiangyu Deng (USA).

Combination of multiplex oligonucleotide ligation-PCR methods using a liquid bead suspension array for the geno-serotyping of the most common *Salmonella* in Belgium.
Mathieu Gand (Belgium).

Comparison of genotypic and phenotypic *Salmonella* serotyping for surveillance and outbreak investigations: resolving conflicts and proposals for the future.
John Nash (Canada).

Biofilm forming ability of *Salmonella enterica* serovars isolated from pig and poultry production environments.
Claire Oaster (United Kingdom).

Wednesday 26th September 2018

9.00 – 12.00 Session 7. Epidemiology and Public health

Chairpersons: P.M. Griffin (U.S.A) and N. Jourdan-Da Silva (France)

9.00 – 9.30 Keynote: Successes and challenges in control of human *Salmonella* infections in the United States Patricia M. Griffin (USA)

9.30 – 10.00 Oral Communications

Occurrence of *Salmonella* in raw pet food: UK trends over 10 years.

Joanna Lawes (United Kingdom).

Challenges and opportunities presented by use of whole genome sequencing in a national outbreak of *Salmonella* Typhimurium in the UK.

Lesley Larkin (United Kingdom).

Utilising molecular surveillance and case travel data for *Salmonella* Enteritidis to estimate burden of travel-acquired infections and aid hypothesis generation in outbreak investigations.

Jacquelyn McCormick (United Kingdom).

Salmonella Enteritidis in egg laying hens flocks, Poland, 2016-2017 – WGS of farm isolates for infection source identification.

Dariusz Wasyl (Poland).

10.00 – 10.45 Coffee break and poster session

10.45 – 12.00 Oral communications

Genomic Surveillance of *Salmonella* Enteritidis reveals emergence of new epidemic clone circulating in European poultry industry.

Tim Dallman (United Kingdom).

Nationwide outbreak of *Salmonella* Agona associated with internationally distributed infant milk products, France, 2017.

Nelly Fournet (France).

Epidemiology of Non-typhoidal *Salmonella* bacteraemia and antimicrobial resistance patterns in England (2004-2015).

Gauri Godbole (United Kingdom).

Increased colon cancer risk after severe *Salmonella* infection.

Lapo Mughini-Gras (The Netherlands).

Effects of reduced typing coverage for routine *Salmonella* surveillance in France.

Mikhail Churakov (France).

12.00 - 12.30 Closing ceremony :

- ✓ Scientific remarks
- ✓ Conclusion