

Monday, June 23rd

7:30 - 8:45 **Welcome and registration**

8:45 - 9:15 **Opening ceremony - Marianne CHEMALY, Chair and Gilles SALVAT, Managing Director for Research and Reference | ANSES (France)**

9:15 - 10:30 **Session 1 - Interactions between *Salmonella* hosts and microbiota, Isabelle VIRLOGEUX-PAYANT (France) and Mikael SELLIN (Sweden)**

Keynote: The Maturation State of Human Intestinal Epithelia Governs Susceptibility to *Salmonella* Attack - Mikael SELLIN (Sweden)

Oral communications:

1. Cytosolic hyper-replication of *Salmonella* across diverse in vitro models: A gateway to host-specific determinants and conserved mechanisms - Cassandra LOPATYNSKI (France)
2. Characterising humoral antibody response in the first-in-human non-typhoidal *Salmonella* challenge study - Anna RYDLOVA (The United Kingdom)
3. Deciphering genomic and transcriptomic differences between *Salmonella* Gallinarum and *Salmonella* Enteritidis and the importance of differences for pathogenicity in the avian host - John Elmerdahl OLSEN (Denmark)

10:30 - 11:15 **Coffee break and poster session**

11:15 - 12:00 **The continuation of Session 1**

Oral communications:

4. *Salmonella* strikes harder in the presence of *Campylobacter*, fueling chicken colonization - Muriel GUYARD-NICODÈME (France)
5. Exploring the role of haemal nodes in trafficking non-typhoidal *Salmonella* from the gut to the peripheral lymphatics of cattle - Stephenie BRADLEY (The United States of America)
6. The antimicrobial activity of copper sulphate as an intestinal habitat filter affecting the pig gut microbiota interactions with *Salmonella* - Rafał KOLENDA (The United Kingdom)

12:00 - 13:30 **Lunch**

Monday, June 23rd

13:30 - 15:30

Session 2 - Antimicrobial resistance and horizontal gene transfer, Benoît DOUBLET (France) and Marie Anne CHATTAWAY (The United Kingdom)

Keynote: Evolution of Antimicrobial Resistance in *Salmonella*: From Emergence to Genomic Surveillance – a Public Health Perspective - *Marie Anne CHATTAWAY (The United Kingdom)*

Oral communications:

1. The Cost of Resistance: Estimating the Additional Burden of Illness Associated with Antimicrobial Resistance in Cases of Nontyphoidal *Salmonella* in Canada 2015-2019 - *Brendan DOUGHERTY (Canada)*
2. Genomic surveillance reveals the spread of antimicrobial resistance in *Salmonella enterica* at the human/animal interface (Northern Italy, 2021-ongoing) - *Chiara BRACCHI (Italy)*
3. Molecular epidemiology of AMR monophasic *Salmonella* Typhimurium from multiple sources in Spain - *Paula CARRIZO CORONADO (Spain)*
4. Evaluation of Rule-Based and Machine Learning-Based approaches for predicting Antimicrobial Resistance in *Salmonella enterica* - *Massimiliano VINCI (Italy)*
5. Single-cell whole genome sequencing of *Salmonella* reveals structure in bacterial populations evolving under weak antibiotic stress - *Matt BAWN (The United Kingdom)*
6. Susceptibility of persistent *Salmonella* isolates to a range of disinfectants - *Isaac RING (The United Kingdom)*

15:30 - 16:15

Coffee break and poster session

16:15 - 18:00

Session 3 - Risk assessment and source attribution, Laurent GUILLIER (France) and Francisco J. ZAGMUTT (USA)

Keynote: Closing the gap between *Salmonella* genomics, virulence, and public health risks - *Francisco J. ZAGMUTT (The United States of America)*

Oral communications:

1. Sources of *Salmonella* infection in pigs in the Netherlands: epidemiological risk factors and microbial subtyping-based source attribution - *Hester BLOEM (The Netherlands)*
2. Experimental validation of cooking methods and on-label instructions to mitigate *Salmonella* risk in fresh poultry meat and poultry-based products - *Laura BORTOLAMI (Italy)*
3. Value of the Finnish national *Salmonella* control program for pigs - *Petra PASONEN (Finland)*
4. Adaptation of the French sampling plan for monitoring *Salmonella* spp. in laying hen flocks - *Elissa KHAMISSE (France)*
5. AMR in beef-attributed high-virulence *Salmonella* does not vary consistently with policy differences between countries - *Jane POUZOU (The United States of America)*

19:00 - 20:30

Official cocktail

Tuesday, June 24th

9:00 - 10:30 **Session 4 - Ecology, epidemiology and control along the food chain and beyond, Marianne CHEMALY (France) and Jose Emilio ESTEBAN (USA)**

Keynote: Monitoring for *Salmonella* in meat processing facilities in the United States - Jose Emilio ESTEBAN (*The United States of America*)

Oral communications:

1. Twenty-five years of a successful *Salmonella* Enteritidis surveillance program in Quebec layers - Martine BOULIANNE (*Canada*)
2. *Salmonella* Choleraesuis in swine and wild boar in Spain: characterization of an emergent serovar - Julio ALVAREZ (*Spain*)
3. Bovine mammary excretion of *Salmonella* Dublin: myth or reality? - Yves MILLEMANN (*France*)
4. Closing the One Health loop: two year water study highlights the need for increased *Salmonella* surveillance in wildlife - Nikki SHARIAT (*The United States of America*)

10:30 - 11:00 **Coffee break and poster session**

11:00 - 12:00 **The continuation of Session 4**

Oral communications:

5. Tracking *Salmonella* prevalence, microbiome shifts, and resistome risks across the dairy forage production system - Colette NICKODEM (*The United States of America*)
6. Bacteriophages as a complementary Eco-Friendly Biocide: An Urgent Need to Combat Environmental Persistent monophasic *Salmonella* Typhimurium in Swine Farms - Nicla GENTILE (*Spain*)
7. *Pseudomonas putida* as a potential biocontrol agent against *Salmonella* Java biofilm formation in the drinking water system of broiler houses - Koen DE REU (*Belgium*)
8. Role of vitamins in the bioprotective mechanism of lactic acid bacteria against *Salmonella* enterica serovars through resource exploitation in a dairy context - Ludovico SCREPANTI (*France*)

Tuesday, June 24th

12:00 - 13:30 **Lunch**

13:30 - 15:30 **Session 5 - Evolutionary and comparative genomics,
François-Xavier WEILL (France) and Robert KINGSLEY
(The United Kingdom)**

Keynote: Microevolution of *Salmonella* Typhimurium: host adaptation and emergence of epidemic strains - *Robert KINGSLEY (The United Kingdom)*

Oral communications:

1. The Population Structure of Dutch *Salmonella* Typhimurium: Insights within a Global Framework - *Julian Andres PAGANINI (The Netherlands)*
2. Characterising within-host evolution in a *Salmonella* Typhimurium controlled human infection model - *Christopher SMITH (The United Kingdom)*
3. Genomic epidemiology of *Salmonella* Enteritidis and persistence of clusters - *Maaïke VAN DEN BELD (The Netherlands)*
4. To be rough or not to be? An overview of *Salmonella* Agona genome and biofilm diversity - *Hugo GRANDJEAN (France)*
5. The causative agent of paratyphoid B: when evolutionary history helps genomic surveillance - *Lise FREZAL (France)*
6. Large scale WGS cluster analysis of non-human *Salmonella* isolates and their relation to human-associated clusters in Germany - *Carlus DENEKE (Germany)*

15:30 - 16:15 **Coffee break and poster session**

Tuesday, June 24th

16:15 - 18:15

Session 6 - Update on reference methods and new alternative methods for *Salmonella* detection, quantification and identification, Bertrand LOMBARD (France) and Kirsten MOOIJMAN (The Netherlands)

Keynote: Detection, enumeration and typing of *Salmonella* according to CEN and ISO reference methods - *Kirsten MOOIJMAN (The Netherlands)*

Oral communications:

1. Alternative method for sampling for *Salmonella* analysis in a sprout production environment - *Gro S. JOHANNESSEN (Norway)*
2. Pre-enrichment conditions to improve recovery of *Salmonella enterica* from spices - *Sandeep TAMBER (Canada)*
3. A new proficiency test carried out at the French National Reference Laboratory for the detection of *Salmonella* vaccine strains in France - *Laetitia BONIFAIT (France)*
4. Random forest analysis for retrieving relevant infrared spectral bands in the prediction of *Salmonella* serogroups - *Marzia MANCIN (Italy)*
5. Validating Nanopore long read sequencing for genomic surveillance of *Salmonella* - *Casper JAMIN (The Netherlands)*
6. Operationalising *Salmonella* whole genome sequencing based typing into routine surveillance - *Francesca MARTELLI (The United Kingdom)*

20:00 - 23:00 Official Gala dinner

Wednesday, June 25th

9:00 - 10:15 **Session 7 - Epidemiology and public health, Nathalie JOURDAN-DA SILVA (France) and Lesley LARKIN (The United Kingdom)**

Keynote: *Salmonella* epidemiology and public health: with new and advancing technology are we better able to address the challenges? - Lesley LARKIN (The United Kingdom)

Oral communications:

1. Ongoing complex outbreak of *Salmonella* Enteritidis HC5_300410 in the greater Paris area with suspected link to eggs, 2024 - Nelly FOURNET (France)
2. Multi-serotype outbreak associated with sesame-based products in Germany, 2019 – 2023 - Sandra SIMON (Germany)
3. The Role of Poultry Feed in a Major *Salmonella* Outbreak Linked to Eggs - Dana ADRIAANSENS (The Netherlands)

10:15 - 10:45 **Coffee break and poster session**

10:45 - 11:45 **The continuation of Session 7**

Oral communications:

4. Reptile-associated salmonellosis outbreak linked to frozen feeder mice in England from 2014-2023 and the effect of a feeder rodents import ban in 2022 - Yanshi (The United Kingdom)
5. Cross-border collaboration essential during an international *Salmonella* Umbilo outbreak related to rocket salad and baby spinach, Europe, 2024 - Bettina ROSNER (Germany)
6. Multi-Jurisdictional *Salmonella* Clusters Linked to Poultry in Canada: Past Challenges and Future Strategies - Melissa PHYBERS (Canada)
7. Typhoid Through Time: Exploring 20 years of Enteric Fever in England and Wales - Alice M. NISBET (The United Kingdom)

11:45 - 12:15 **Closing ceremony - Jean-Claude DESENCLOS, Scientific Project Officer | Santé Publique France (France)**

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