



International Symposium on *Salmonella* and Salmonellosis

France, Saint-Malo | 23-24-25 june 2025

Our Committee Members



ORGANIZING BODIES

Scientific Committee:



ANSES (French Agency for Food, Environmental and Occupational Health & Safety)

A leading public institution dedicated to ensuring the safety of food, the environment, and the workplace.

> <https://www.anses.fr/en>



Institut Pasteur: A renowned international research institute dedicated to the study of infectious diseases, microbiology, and immunology.

> <https://www.pasteur.fr/en>



INRAE: A leading French research institute focused on agriculture, food, and environmental sciences.

> <https://www.inrae.fr/en>



Santé Publique France: The national public health agency of France, dedicated to protecting and improving the health of the population.

> <https://www.santepubliquefrance.fr/>

Secretariat:



INNOZH: A French Center for Technological Resources leading innovation in animal health and production.

> <https://www.innozh.fr/>



7 SESSIONS

Session 1: Interactions between *Salmonella* Hosts and Microbiota

Led by: Isabelle Virlogeux-Payant (France)

Dive into the complex interactions between *Salmonella*, hosts, and microbiota.

Session 2: Ecology, Epidemiology, and Control Along the Food Chain and Beyond

Led by: Marianne Chemaly (France) & José Emilio Esteban (USA)

Understand the ecological and epidemiological aspects and control measures from farm to fork.

Session 3: Risk Assessment and Source Attribution

Led by: Laurent Guillier (France)

Evaluate risk factors and trace the sources of *Salmonella* contamination.

Session 4: Antimicrobial Resistance and Horizontal Gene Transfer

Led by: Benoît Doublet (France) & Marie Anne Chattaway (United Kingdom)

Explore the challenges of antimicrobial resistance and gene transfer mechanisms.

Session 5: Evolutionary and Comparative Genomics

Led by: François-Xavier Weill (France) & Rob Kingsley (United Kingdom)

Analyze the evolutionary pathways and genetic diversity of *Salmonella*.

Session 6: Update on Reference Methods and New Alternative Methods for *Salmonella* Detection, Quantification, and Identification

Led by: Bertrand Lombard (France) & Kirsten Mooijman (Netherlands)

Discover the latest advancements in *Salmonella* detection and identification techniques.

Session 7: Epidemiology and Public Health

Led by: Nathalie Jourdan-da Silva (France) & Lesley Larkin (United Kingdom)

Learn about the public health implications and epidemiological trends of *Salmonella* outbreaks.

COMMITTEE MEMBERS' BIOGRAPHIES

Dr. Isabelle Virlogeux-Payant

Isabelle Virlogeux-Payant is a Research Director at the French National Research Institute for Agriculture, Food and Environment (INRAE). She holds a PhD and an HDR in Microbiology. Her research focuses on the characterisation of *Salmonella* virulence factors and their role in host-pathogen interactions. She heads the "Microbiota, Monogastrics and *Salmonella*" group within the Infectious Diseases and Public Health Department. The team is interested in analysing the mechanisms of virulence and colonisation of *Salmonella*, in particular its interaction with host cells and with the intestinal microbiota using mouse models of virulence or avian models of asymptomatic carriage.



INRAE

Dr. Marianne Chemaly Chair

Dr. Marianne Chemaly, PhD, HDR in Food Microbiology, is the Scientific Director for Food Safety in Anses.

She is also heading the Unit Hygiene and Quality of Poultry and Pork Products (HQPAP), and the joint research unit with the Cnam "Metabiot". Her research activities focus on the **"control of foodborne pathogens in poultry production using a multifactorial approach from farms to forks"**. The main topics deal with the prevalence and molecular epidemiology, Host-pathogen interactions and control measures.

She took part in several EU projects and coordinated workpackages under the FP6, FP7, Emida Era-Net and H2020 programs. **She is actively involved in expertise through different working groups as expert on Salmonella and Campylobacter at the national (Anses), EU (EFSA) and international (FAO/WHO) levels.**



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Dr. Laurent GUILLIER

Dr Laurent Guillier works at Risk Assessment Department in ANSES (French Agency for Food, Environmental and Occupational Health & Safety).

His main research interest is to understand the causes of foodborne diseases and what can be done to reduce the disease burden. This area benefits from the synthesis of quantitative microbial risk assessment, microbial genomics, statistical/mathematical methods, predictive microbiology as well as conventional food microbiology and epidemiology techniques.



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COMMITTEE MEMBERS' BIOGRAPHIES

Dr. Benoît DOUBLET

Dr Benoît DOUBLET has more than 20 years expertise in the field of antibiotic resistance of veterinary and zoonotic Gram-negative pathogens. He leads a research group in the field of bacterial genomic evolution contributing to the epidemiological success of pathogens.

Their research interest focuses on the diversity of pathogenic species and the role of their genome plasticity. Using genetic and multidisciplinary approaches, they study the biology (horizontal genetic transfer, maintenance, incompatibility/exclusion and cooperation) of multidrug resistance mobile genetic elements such as plasmids and integrative elements carrying critically-important antibiotic resistance genes.

Dr Doublet has published more than 60 research articles (h-index=29).



INRAE

Pr. François Xavier Weill

Prof. François-Xavier Weill, MD, PhD is a clinical and public health microbiologist with a 20-year expertise on enteric bacterial pathogens. At the Institut Pasteur, he heads the Enteric Bacterial Pathogens Unit and the French National Reference Centre for *Escherichia coli*, *Shigella* and *Salmonella* (between 10,000 and 15,400 human isolates sequenced and analysed per year since 2017).

Between 2014 and 2016, he was a visiting scientist in the Bacterial genomics and evolution group at the Wellcome Sanger Institute, Cambridge, UK. T

o better understand the evolution and transmission dynamics of emerging, historical, and antimicrobial drug-resistant enteric bacterial pathogens, he has initiated and led several international genomic studies. He has published over 200 peer-reviewed papers in international journals, including Nature, Science, NEJM, since 1997.



INSTITUT PASTEUR

Dr. Bertrand LOMBARD

Bertrand LOMBARD, PhD, coordinates reference activities within the ANSES directorate steering the activities of the 9 laboratories, after 20 years at the Laboratory for food safety, where he was in particular responsible for up to 3 EURL mandates.

From 2001 to 2017 and from 2021, he has chaired/chairs ISO/TC 34/SC 9, the ISO committee in charge of standardization in the field of microbiological analysis in the food chain.

He also convenes since 2005 its WG 2 ensuring statistical expertise for the standardization works in this area. He has developed an expertise on method validation and measurement uncertainty, as well as on the organisation of proficiency testing in food microbiology.



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COMMITTEE MEMBERS' BIOGRAPHIES

Dr. Nathalie JOURDAN-DA SILVA

Nathalie Jourdan-Da Silva is a Senior Medical Epidemiologist at Santé publique France, the French national public health agency.

She holds a Medical Degree and a Master of Public Health, as well as a Master of Science in Epidemiology and Public Health from Paris, France. Additionally, she completed her specialization in Public Health during her residency in Paris and attended the EPIET Introductory Course in Menorca.

Her work focuses on the surveillance and investigation of infectious intestinal diseases and foodborne infections. Since 2006, she has been responsible for monitoring and reporting gastrointestinal diseases in France, including the overseas territories. Nathalie is also involved in organizing the triennial international scientific conference on salmonella and salmonellosis. Nathalie supervises outbreak investigations conducted by EPIET fellows and interns at the agency. Her research interests include developing innovative methods for outbreak investigations, such as utilizing electronic supermarket data from shopper cards, optimizing collaboration with traceback and food safety teams, and creating efficient methods to form control populations and gather control exposure data during outbreak settings.

She has been an expert at the Scientific Expert Committee on Biological Risks (BIORISK) at the French Agency for Food, Environmental, and Occupational Health & Safety (ANSES) since 2012 and serves as the French national focal point for the ECDC Food- and Waterborne Disease Network. Nathalie has authored or co-authored over 60 peer-reviewed scientific publications.



Dr. Christophe Cordevant

Christophe Cordevant is member of the Strategy and Programmes Department of the Anses's Directorate General, which oversees the activities of the agency's laboratories, and acts as Senior Scientific Advisor for Foodsafety and Emerging Infectious Diseases and Knowledge Transfer Officer since 2014. He has 20 years' experience in molecular microbiology and typing in the field of foodborne pathogens acquired both at the Institut Pasteur Lille or within the Food Science division at Bio-Rad. In his current position, he acts as lead of Anses experts involved in the preparation the One Health EU Zoonoses report - EFSA/ECDC. He was member of the Scientific Steering Board of the OH EJP and currently member of the Governing Board of the MedVetNet association, the CoVetLab research committee and the scientific board of the ITMO I3M (Immunology, Inflammation, Infectiology and Microbiology). He is also implicated in institutional initiatives at national and international level like the board of partners Inserm-ANRS | Emerging Infectious Diseases, National Contact Point EU Sewage Sentinel System for SARS-CoV-2. He is a member of the Prezode Steering Committee as he was involved both in the COVID19 and Monkepox health crisis by representing Anses within the French EMERGEN consortium (Consortium for surveillance and research on EMERgent pathogen infections via microbial GENomics).



Dr. Annaëlle Kerouanton

Dr Annaëlle KEROUANTON, PhD in Food Microbiology, is a Scientist in Anses.

She currently works in Ploufragan-Plouzané-Niort Laboratory as deputy head of the "Hygiene and Quality of poultry and pork products" research unit.

She has 25 years of experience in characterization of foodborne pathogens (Salmonella, Campylobacter, Listeria) through her involvement in national and European projects.

Current research interests include characterization of pigs response to Salmonella infection (level of Salmonella excretion, intestinal microbiota, immune response).

She is also in charge of internal and external communications for the Ploufragan-Plouzané-Niort laboratory, and the training plan for the laboratory's staff.



COMMITTEE MEMBERS' BIOGRAPHIES

Dr. Jean-Marc Collard

Dr. Jean-Marc Collard is a scientist with 131 peer-reviewed publications and extensive experience in bacteriology, molecular biology, public health and biosafety/biosecurity. From 2001, he headed National Reference Centers (Salmonella/Shigella, Neisseria meningitidis, Listeria) for seven years at Institute of Public Health (currently Sciensano) in Brussels, Belgium.

From 2008, he extended his expertise in Africa (Niger and Madagascar, Pasteur Network), where he directed NRCs (bacterial meningitis and flu in Niger), coordinated or participated in important field and research projects in bacteriology (MenAfriCar, PAGE, Epidemic Meningitis Control FSP, MVP), antimicrobial resistance (CHARLI, Birdy, Birdy II), and dysbiotic microbiota in malnourished children (Afribiota, Malinea), including cohort studies with over 2000 children. The results of these projects have been published in landmark scientific reviews, such as Lancet Global Health, J Allergy Clin Immunol, CID, PNAS, Microbiome or PLOS NTD.

As an expert in bacteriology, he has collaborated with the WHO, the UNICEF, the Ministry of Health in Niger, the French Ministry of Foreign Affairs, the Wellcome Trust, and the Gates Foundation. Back in Belgium for one year (2013-2014), he set up the crisis cell and the business continuity plan at the Institute of Public Health.

Scientifically, his main expertise is antimicrobial-resistant Gram-negative bacteria and their transmission from mother to child, managing their detection by different cutting-edge technologies (i.e. WGS), including LAMP technology as well as microbiota investigation in children. During his two years (2020-2022) in the Center for Microbes Development and Health–Institut Pasteur of Shanghai, China he focused on the construction of the intestinal microbiota in infants leading to homeostasis or dysbiosis. He developed a simplified workflow (culturomics) for large-scale cultivation of gut microbes using anaerobic, microaerophilic and aerobic conditions. Since September 2022, he integrated the Enteric Bacterial Pathogens Unit, at the Department of Global Health of the Institut Pasteur where he leads the 'culturomics' part in an ANR project (PI) on the Origins and dynamics of oral dysbiosis associated with environmental enteric dysfunction through a preventive intervention in Central African infants (AFRIBIOTA 2) and conceptualize a longitudinal study in Cameroon to investigate the role of the intestinal microbiota and the bile acid (de)conjugation on cholera susceptibility. He is also currently committed as Deputy Director of the NRC E. coli, Shigella and Salmonella.



Claudie Le Meur Bourdon

With over a decade of experience in marketing, innovation, and project management, Claudie Le Meur Bourdon is a driving force behind growth and meaningful connections. As Mission Manager for Events and Networks at INNOZH, she orchestrates large-scale events like the I3S congress, fostering innovation and collaboration across industries.

Previously at INNOZH, Claudie served as Mission Manager for Technopole. In this role, she nurtured innovative projects, guided businesses, and inspired students. This experience solidified her expertise in marketing and innovation, where she excels at connecting with diverse audiences and driving positive change.

Claudie's background is further strengthened by her prior experience as both an R&D Marketing Project Manager and a Marketing/Sales Development Manager in the agri-food industry, providing her with a deep understanding of the sector's unique challenges and opportunities.





INNOZH

2 Rue Jean Rostand, 22440 Ploufragan, FRANCE

i3scongress@innozh.fr

+33 2 96 76 61 61

www.i3scongress.org

  @I3SCongress

Your contact : **Claudie Le Meur Bourdon,**
Events and Networks Officer
i3scongress@innozh.fr



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