

I3S

International
Symposium
Salmonella and
Salmonellosis

28 | 29 | 30
June 2010

Saint-Malo
France



INSTITUT PASTEUR



ISPAIA

www.zoopole.com/ispaia/i3s2010

SCIENTIFIC INFORMATION

Scientific Committee

Mark ACHTMAN	Ireland
Axel CLOECKAERT	France
Pierre COLIN	France
Rob DAVIES	United Kingdom
Juan GARRIDO	Spain
Kirsten MOOIJMAN	The Netherlands
Kare MØLBAK	Denmark
Gilles SALVAT	France
Stefan SCHWARZ	Germany
Ivar VÅGSHOLM	Sweden
Véronique VAILLANT	France
Philippe VELGE	France
François-Xavier WEILL	France

Organizing committee

CHAIRMAN : Pierre COLIN (UBO)

SECRETARY-TREASURER : Geneviève CLEMENT (ISPAIA)

MEMBERS : Anne BRISABOIS (AFSSA), Marianne CHEMALY (AFSSA), Axel CLOECKAERT (INRA), Réjane DELUCE (ISPAIA), Jean François GUILLOT (Université de Tours), Simon HELLO (Institut Pasteur), Nathalie JOURDAN DA SILVA (InVS), Gilles SALVAT (AFSSA), Philippe VELGE (INRA), Véronique VAILLANT (InVS), François-Xavier WEILL (Institut Pasteur).

Symposium secretariat

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PROGRAMME

SUNDAY, JUNE 27

17h – 20h

Welcome and registration
(Hôtel de l'Univers – Closed town - Saint-Malo)

MONDAY, JUNE 28

8h30 – 9h

Welcome and Registration

9h - 9h30

Opening session

Session 1 - Interactions between hosts and bacteria

Chairpersons : **Juan GARRIDO** (Spain) and **Philippe VELGE** (France)

9h30 – 10h15

Chairman conference

10h15 – 11h

Communications

Rossiane SOUZA (Brazil)

Occurrence of virulence genes in *Salmonella* Enteritidis isolated from animal sources, food and human cases in Brazil.

Zineb BOUMART (France)

Genetic characterization of *Salmonella* Senftenberg isolates and their ability to colonize broiler chickens.

Angelo Junior BERCHIERI (Brazil)

Variable behavior of *Salmonella* serotypes Gallinarum, Pullorum, Enteritidis and Typhimurium Δ cobS and Δ cbiA double mutants. *In vivo* assay with chickens.

11h – 11h45

Poster session

11h45 – 12h45

Communications

Fatmeh NAMDARI (France)

Role of BamB in T3SS expression and outer-membrane biogenesis in *Salmonella*: which relationship with its cellular localization and its interaction with BamA?

Magdalena CRHANOVA (Czech Republic)

Development of chicken gut microflora and resistance to the infection with *Salmonella* Enteritidis.

Live NESSE (Norway)

Invasion of human epithelial HEp-2 cells by *Salmonella* is affected by N-acylhomoserine lactone quorum sensing signals.

Natali SHIRRON (Israel)

The early steps of plant response strategies to *Salmonella enterica* serovar Typhimurium.

MONDAY, JUNE 28

12h45 – 14h

Lunch

Session 2 - Genomic applications and Detection, Identification, Quantification

Chairpersons : **Kirsten MOOIJMAN** (*The Netherlands*), and **François-Xavier WEILL** (*France*)

14h – 15h55

Genomic applications

Mark ACHTMAN (*Ireland*) - *Invited speaker*
Multi Locus Sequence Typing of *Salmonella enterica*.

Patricia FIELDS (*USA*)

An Update on Molecular Determination of *Salmonella* serotypes based on the genes responsible for O and H Antigens.

Anne BRISABOIS (*France*)

DNA Microarray for molecular determination of *Salmonella* serotypes.

François-Xavier WEILL (*France*)

Improving laboratory surveillance of *Salmonella* infections by fast typing based on CRISPR polymorphisms.

Chloé BISHOP (*United Kingdom*)

Characterisation of SNPs in *Salmonella* Paratyphi A using MALDI-TOF MS.

15h55 – 16h40

Poster session

16h40-18h25

Detection, Identification, Quantification

16h40 - 17h10

Chairman conference

17h10 - 18h25

Gunnar ANDERSSON (*Sweden*)

Sampling for traceability and conformance testing of *Salmonella* in animal feeding stuffs.

Kirsten MOOIJMAN (*The Netherlands*)

Salmonella and its standard methods.

Sevinc KOYUNCU (*Sweden*)

Evaluation of cultural and molecular methods for the detection of *Salmonella* in feed.

Koen de REU (*Belgium*)

Evaluation of bacterial indicators for monitoring the *Salmonella* Enteritidis status of layer farms.

Yves MILLEMANN (*France*)

Quantification of *Salmonella* in French cattle fecal samples by MPN real time PCR.

18h25

End of the conference

19h

Opening ceremony

TUESDAY, JUNE 29

Session 3 - Antimicrobial resistance

Chairpersons : **Stefan SCHWARZ** (Germany) and **Axel CLOECKAERT** (France)

9h - 9h30

Chairman conference

9h30 - 10h45

Communications

E. John THRELFALL (United Kingdom)

Multidrug-resistant Salmonella - not just a local problem ?

Christina PAPADOPOULOU (United Kingdom)

Recent trends in antimicrobial resistance in *Salmonella* spp. from animals, their environment and animal feed in Great Britain.

Sophie GRANIER (France)

Monitoring 3rd generation cephalosporin resistance in French non-human Salmonella : 2006-2009 overview.

Sophie GRANIER (France)

armA Methylase In a Monophasic *Salmonella enterica* isolated from food.

Beatriz GUERRA (Germany)

Salmonella enterica subsp. *enterica* serovar Typhimurium isolates collected within the European Project Med-Vet-Net (Workpackage 21) carry Viru-lence-Resistance plasmids derived from the pSLT90.

10h45 - 11h30

Poster session

11h 30- 12h15

Communications

Laura MARTIN (Canada)

Identification and prevalence of major beta-lactam resistance genes among ampicillin-resistant *Salmonella* and *E. coli* from food and food animals in Canada.

Simon LE HELLO (France)

Dramatic increase of Ciprofloxacin-resistant *Salmonella enterica* serotype Kentucky isolates in human in France, 2000-2008.

Gregory DOUARD (France)

Identification of specific functions for the conjugal transfer of the mobile genomic island Salmonella Genomic Island 1 (SGI1).

12h30 - 14h

Lunch

TUESDAY, JUNE 29

Session 4 - Animal epidemiology and food contamination

Chairpersons : **Rob DAVIES** (*United Kingdom*) and **Gilles SALVAT** (*France*)

14h - 14h30 Chairman conference

14h30 - 15h45 **Communications**

Marianne CHEMALY (*France*)

Assessment of eggshell contamination by *Salmonella enterica* in France.

André RABIE (*United Kingdom*)

Persistence of *Salmonella* in rodent populations from infected farms in Great Britain.

Joëlle DANGUY DES DESERTS (*France*)

The dynamics of *Salmonella* infection were investigated in 60 holdings representative of turkey meat and breeder production in *Great Britain*.

Koen DE REU (*Belgium*)

Occurrence and characterization of environmental *Salmonella* Enteritidis contamination on persisting layer farms.

Even HEIR (*Norway*)

Identification and survival of resident bacteria in the feed industry and their effect on *Salmonella* biofilm formation.

15h45 - 16h30 Poster session

16h30 - 17h45 **Communications**

Annaelle KEROUANTON (*France*)

Comparison of PFGE and antimicrobial resistance profiles of *Salmonella enterica* serotype Derby isolated from pig, pork and human salmonellosis in France.

Gaëlle LEGENDRE (*France*)

Correlation between *Salmonella* penetration through the eggshell and some phenotypic factors.

Henry KURONEN (*Finland*)

Feed-borne outbreak of *Salmonella* Tennessee in laying hen holdings and pig herds in Finland.

Céline MANNION (*Ireland*)

The role of transport, lairage and slaughterline equipment in the dissemination of *Salmonella* spp. in pigs in the pre- and post-slaughter environments in the Republic of Ireland.

Maarten F. WEBER (*The Netherlands*)

Efficacy of culling *Salmonella* carriers in dairy herds.

19h

Official dinner offered by AES Chemunex

WEDNESDAY, JUNE 30

Session 5 - Epidemiology and public health

Chairpersons : **Kare MØLBAK** (Denmark) and **Véronique VAILLANT** (France)

9h - 9h30

Chairman conference

9h30 - 10h45

Communications

Nathalie JOURDAN DA SILVA (France)

Nationwide pseudo-outbreak of *Salmonella enterica* subspecies diarizonae, France.

Christopher LANE (United Kingdom)

Trends in Salmonella reporting, England and Wales 1984 - 2008, Twenty Five years of salmonella infections in England and Wales.

Elina LAHTI (Sweden)

A prolonged outbreak of *Salmonella* Reading affecting humans and animals in Sweden.

Dirk WERBER (Germany)

Comparing crude mortality and potential years of life lost using German surveillance data, 2004-2008 - nontyphoidal *Salmonella* spp. in comparison with five other gastrointestinal pathogens.

Christina FRANK (Germany)

Beware of dragons - Sudden increase in *Salmonella* Tennessee infections in small children associated with reptiles, Germany 2008.

10h45 - 11h30

Poster session

11h30 - 12h30

Communications

Corinne DANAN (France)

Unusual event detection for non human Salmonella surveillance at national level.

Katy HUTTON (United Kingdom)

Investigating national Salmonella outbreaks at the Health Protection Agency: A ten year review.

Wolfgang RABSCH (Germany)

Emergence of monophasic *Salmonella enterica* serovar Typhimurium 4,[5],12:i:- phage type DT193 strains in Europe carrying a characteristic 18.4 kb island adjacent to the thrW tRNA locus.

Wilfrid Van PELT (The Netherlands)

Consumption of fresh fruit juice : How a healthy food practice caused a national outbreak of *Salmonella* Panama gastro-enteritis?

12h30 - 14h

Lunch

WEDNESDAY, JUNE 30

Session 6 - Control strategy and risk assesment

Chairpersons : **Ivar VÅGSHOLM** (Sweden) and **Pierre COLIN** (France)

14h - 14h30 Chairman conference

14h30 - 15h30 **Communications**

Karin NYBERG (Sweden)

Inactivation of *Salmonella* Typhimurium in horse manure amended soil - Minimizing disease transmission by application of Ca(OH)₂.

Lene Karine VESTBY (Norway)

Persistence and eradication of Salmonella from the feed factory environment.

Robert DAVIES (United Kingdom)

Investigation of the efficiency of delivery of Salmonella vaccines in laying hens.

Lis ALBAN (Denmark)

Surveillance for Salmonella in finisher pigs - lessons learnt

15h30 - 16h Coffee break

16h - 16h45 **Communications**

Ivar VÅGSHOLM (Sweden)

Road map for the Swedish Salmonella Control, 2007.

Emma SNARY (United Kingdom)

The EFSA quantitative microbiological risk assessment for *Salmonella* in slaughter pigs.

Yves MILLEMANN (France)

Quantitative risk assessment model of human salmonellosis linked to the consumption of Camembert cheese made from raw milk.

16h45 - 17h45 Conclusion

19h **Closing dinner (option)**

VENUE

The conference is held in the “Palais du Grand Large” – Quai Duguay Trouin - Saint-Malo. Registration, scientific sessions, poster sessions, coffee breaks and lunches are take place there.

During the congress, the phone number of the General Secretariat is :
Phone/ Fax : +33 (0)2 99 20 60 45.

INTERNET CONNECTION

Free wifi access and two computers at disposal in the poster room.

ORAL PRESENTATIONS

A person is at your disposal in the Secretariat office to check your presentation.

POSTER PRESENTATIONS

Posters should be hanged up before the beginning of the symposium. Each board is numbered accordingly. A person is at your disposal in the poster room in order to find your poster number. Materials for mounting is available in the poster room.

SOCIAL ACTIVITIES

Monday 28 June 2010 - 19h: Opening ceremony

Tuesday 29 June 2010 : 19h Official dinner offered by AES CHEMUNEX

Wednesday 30 June 2010 : Closing dinner (option)

ACCOMPANYING MEMBERS PROGRAMME

An excursion programme could be arranged for accompanying persons if sufficient number. It includes several excursions.

Registration of the the official receptions and dinners will be possible on site.

HOW TO GET TO SAINT-MALO

By plane

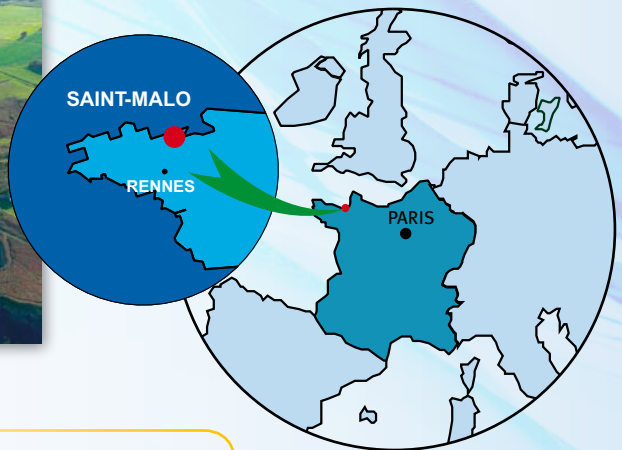
- International Rennes Airport (45 minutes by car to Saint-Malo)
<http://www.rennes.aeroport.fr>
- Dinard / Pleurtuit Airport. Links from London.
Transfer to Saint-Malo center (10 km) - Phone : +33 (0)2 99 46 18 46

By train

- TGV Paris (Montparnasse railway station) - Rennes (2 hours).
Then Rennes - Saint-Malo (45 minutes).
www.tgv-europe.com or www.voyages-sncf.com
- Direct TGV Paris (Montparnasse railway station) - Saint-Malo (3 hours)

By car

- Four hours by motorway from Paris (Direction Rennes).



TOURIST INFORMATION

- Office du Tourisme - Esplanade Saint Vincent - F35400 Saint Malo
Phone +33 (0)2 99 56 64 48 - Fax +33 (0)2 99 56 67 00
www.saint-malo-tourisme.com

REGISTRATION

→ Congress fees (All fees include Value Added Taxes)

Registration Fees : 550 euros before May 15th 2010
600 euros after May 15th 2010
300 euros for students

The following items are included in the registration fees:

- Participation to the conference
- Proceedings and CDrom including oral communications and posters
- Lunches and coffee breaks
- Official dinners and cocktails

Registration is possible on the web site <http://www.zoopole.com/ispaia/i3s2010> or complete and return the following form.

The registration will only be accepted after the reception of payment.

→ Payment

Payment must be made in Euro, by credit card on the web site (with protected payment system), payable cheque in France or bank transfer to the order of :

ZOOPOLE developpement - ISPAIA - BP 7, F-22440 PLOUFRAGAN

Bank : C.C.M. PLOUFRAGAN

Compagnie Financière de Crédit Mutuel de Bretagne - Brest France

Bank code : 15589

Counter code : 22869

Account number : 01 465 645 044

Key RIB : 08 - Swift : CMBRFR2BXXX

IBAN : FR76 1558 9228 6901 4656 4504 408

Intra-Community VAT : FR04390474435

→ Cancellation of registration

If notice of cancellation is received by electronic and surface mail or fax before April 30th, 2010 then preregistered participants will have their paid fee's refunded, less 40 €.

After April 30th 2010, no refund can be expected.

→ Accommodation

The Palais du Grand Large - Saint Malo has been assigned responsibility by the organisation committee for the management of the participant's hotel reservations. A number of rooms has been reserved in hotels close to the conference place at special conference rates, up to 25% below the public rate. Hotel accommodation will be booked on a first-come-first served basis on only open the receipt of the accommodation form with the deposit and reservation fees. A confirmation by email will be sent to the participant, including the location of the hotel.

«Accommodation Form» on the web site <http://www.zoopole.com/ispaia/i3s2010>

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