



6th FBI-Zoo Meeting

**Salmonella and Campylobacter -
new insights into niche
adaptation of two important
foodborne pathogens**

22.04.2010 – 23.04.2010

Veterinary Faculty
Institute of Microbiology and
Epizootics
Philippstraße 13
10115 Berlin

Freie Universität  Berlin

Administration

Organisation

Prof. Dr. Lothar H. Wieler

Dr. Burkhard Malorny

Torsten Semmler

Conference Center

"Veterinarium Progressum"

Oertzenweg 19b

14163 Berlin

Information

Torsten Semmler

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Conference fee

30,- € for non FBI-Zoo members

Program

Salmonella and Campylobacter - new insights into niche adaptation of two important foodborne pathogens

22.04.2010

12:00 – 13:00

Arrival and lunch

13:00 – 13:15

Conference opening and introduction

Prof. Dr. Lothar H. Wieler, Institute of Microbiology and Epizootics, Veterinary Faculty, Freie Universität Berlin

Molecular typing and epidemiology of Salmonella

(Chair: Dr. Reiner Helmuth)

13:15 – 14:00

Genomics of pathovariants of Salmonella Typhimurium: Insights into the emergence of new host adapted pathogens

Dr. Rob Kingsley, Sanger Institute, Cambridge

14:00 – 14:45

Genetic Diversity of Paratyphi A in drug resistant background - using methods such as MLST, VNTR, whole genome sequencing (SNP discovery) and Sequenom (SNP detection)

Dr. Satheesh Nair, HPA, London

14:45 – 15:30

Molecular epidemiology of Salmonella in Denmark

Dr. Mia Torpdahl, SSI, Copenhagen

15:30 – 16:00

Coffee break

16:00 – 16:45

Characteristics of two increasingly isolated Salmonella serovars 4,[5],12:i:- and Paratyphi B (d-tartrate +)

Dr. Burkhard Malorny, Federal Institute for Risk Assessment

Host Specificity and Innate Immunity in Salmonella

(Chair: Prof. Dr. Bernd Kaspers)

16:45 – 17:30

Avian Salmonellosis: host and pathogen factors in a model of host adaptation

Dr. Paul Wigley, National Centre for Zoonosis Research, University of Liverpool

17:30 – 18:15

Role of novel adhesins of Salmonella enterica in host specificity and cellular interactions

Prof. Dr. Michael Hensel, Dept. Microbiology, University of Osnabrueck

18:15 – 19:00

Host-specific responses to infection by Salmonella serovars

Dr. Karsten Tedin, Institute of Microbiology and Epizootics, Veterinary Faculty, Freie Universität Berlin

20:00

Social event

Program

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23.04.2010

Molecular epidemiology and host tropism in Campylobacter

(Chair: Dr. Alexander Mellmann)

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| 09:00 – 09:45 | Application of different genotyping methods to characterize the Campylobacter distribution in the food chain
Prof. Dr. Thomas Alter, Institute of Food Hygiene, Veterinary Faculty, Freie Universität Berlin |
| 09:45 – 10:30 | Campylobacter jejuni, a highly adaptable 'traveller' in the food chains
Dr. Marja-Liisa Hänninen, University Helsinki |
| 10:30 – 11:15 | The FBI-Zoo MLST study of Campylobacter species in Germany: an interim analysis
Prof. Dr. Sebastian Suerbaum, Institute for Medical Microbiology and Hospital Epidemiology, Hannover Medical School

Amino acid metabolism of Campylobacter jejuni promotes efficient colonization and tissue tropism in a murine infection model
Prof. Dr. Dirk Hofreuter, Institute for Medical Microbiology and Hospital Epidemiology, Hannover Medical School |
| 11:15 – 12:00 | Spezies-specific selective pressure in TLRs
Dr. Dirk Werling, Royal Veterinary College, Hatfield |
| Conference closing | |
| 12:15 – 13:00 | <i>Lunch</i> |

Venue

The conference center "Veterinarium Progressum" is located on the Campus Düppel of the veterinary faculty in southern Berlin Zehlendorf, Oertzenweg 19b. It takes around 30 minutes from the city centre (S-Bahn station Friedrichstraße) to the S-Bahn station Mexikoplatz with the S1 in the direction of Wannsee. From Mexikoplatz it is a walking distance of 10 minutes to "Veterinarium Progressum". (See map). 

