

■ Pre-Meetings

| | |
|---------------|--|
| 8–9 September | Workshop of the EU Brucellosis National Reference Laboratories |
| 9 September | Meeting of the Subcommittee on the Taxonomy of <i>Brucella</i> |
| 9 September | Brucellosis Gap Analysis and Priorisation Workshop (STAR-IDAZ) |

Final Schedule

■ Tuesday, 9 September

| | |
|-------------------------|---|
| 05:00 p.m. – 08:00 p.m. | Welcome Reception, ELLINGTON Hotel Berlin |
|-------------------------|---|

■ Wednesday, 10 September

| | |
|-------------------------|---|
| 08:00 a.m. – 03:00 p.m. | Registration |
| 09:00 a.m. – 10:15 a.m. | Opening Ceremony Andreas Hensel Federal Institute for Risk Assessment, Berlin, Germany Karin Schwabenbauer Federal Ministry of Food and Agriculture, Berlin, Germany FAO works to curb the burden of brucellosis in endemic countries Ahmed El Idrissi Global research on <i>Brucella</i> species 1950-2013 Mahmoud Abo-Shehada |
| 10:15 a.m. – 11:00 a.m. | Coffee Break |
| 11:00 a.m. – 12:15 a.m. | Session 1: Taxonomy, Evolution, Emerging Species Chair: David O'Callaghan Keynote Lecture: Erko Stackebrandt Leibniz Institute DSMZ, Braunschweig, Germany Full taxonomic description of the proposed eleventh <i>Brucella</i> species, <i>Brucella papionis</i> sp. nov., isolated from baboons Adrian M. Whatmore Round-Table |
| 12:15 a.m. – 02:00 p.m. | Lunch Break/Poster Session (Session 1-3) |
| 02:00 p.m. – 03:30 p.m. | Session 2: Genomics, Proteomics and Metabolomics Chair: Jean-Jaques Letesson Keynote Lecture: Stephan Köhler Centre d'études d'agents Pathogènes et Biotechnologie pour la Santé, Montpellier, France A robust WGS pipeline for identifying and genotyping <i>Brucella</i> species Christine R. Quance |

Whole genome comparative study on *Brucella suis* biovar 2
Ricardo Dias

Revisiting the erythritol catabolic pathway 40 years later
Thibault Barbier

sRNAs and Hfq regulation in *Brucella abortus*
Félix J. Sangari

Role of the transcriptional regulator RegA in establishment of *Brucella suis* persistence in an original in vitro model
Veronique Jubier-Maurin

03:30 p.m. – 04:30 p.m. Coffee Break/Poster Session (Session 4-6)

04:30 p.m. – 08:30 p.m. Sightseeing Tour

■ Thursday, 11 September

08:30 a.m. – 09:45 a.m. **Session 3: Host-Pathogen-Interaction**

Chair: Renato de Lima Santos

Keynote Lecture: **Sean Crosson**

University of Chicago, Department of Biochemistry and Molecular Biology, Chicago (IL), USA

Marine mammal brucellae are attenuated in a mouse model of infection
Ingebjørg H. Nymo

Defining the role of a LysR-type transcriptional regulator in the survival and pathogenesis of *Brucella abortus* 2308
Lauren M. Sheehan

Cell cycle progression of *Brucella abortus* in culture and inside HeLa cells and RAW264.7 macrophages
Xavier de Bolle

Transcriptional profile of bovine chorioallantoic membrane explants in response to wild type, $\Delta virB2$ or $\Delta btpB$ *Brucella abortus* infection
Renato de Lima Santos

09:45 a.m. – 10:30 a.m. Coffee Break

10:30 a.m. – 12:00 a.m. **Session 4: Immunology**

Chair: Thomas A. Ficht

Keynote Lecture: **Stefan H.E. Kaufmann**

Max Planck Institute for Infection Biology, Berlin, Germany

T cell responses to *Brucella* in humanized mice
Beata Clapp

CXCR2 is a critical mediator of *Brucella*-induced articular inflammation
Jerod A. Skyberg

Bovine $\gamma\delta$ T cells' unique WC1 pattern recognition receptor (PRR) directs cellular immune responses to bacterial pathogens
Cynthia L. Baldwin

A *Brucella* spp. protease inhibitor is a useful adjuvant in oral vaccine formulations against infectious diseases
Juliana Cassataro

Protective immunity in intranasally infected mice with *Brucella melitensis*
Delphine Hanot Mambres

12:00 a.m. – 01:45 p.m. Lunch Break/Poster Session (Session 7-9)

01:45 p.m – 03:30 p.m. **Session 5: Vaccination**

Chair: David W. Pascual

Keynote Lecture: **Steven C. Olsen**

National Animal Disease Center, United States Department of Agriculture, Ames (IA), USA

Cloning, expression and immune response against protective antigens of *M. bovis* in *B. abortus* vaccine strain RB51
Nammalwar Sriranganathan

Vaccination with recombinant *Brucella abortus* RB51 strain engineered to express increased levels of O-polysaccharide provides enhanced protection in murine brucellosis model
Ramesh Vemulapalli

The road towards the development of a safe and efficacious live attenuated vaccine for animal and human brucellosis: from the bench to the non-human primate model
Angela Arenas-Gamboa

Preliminary evaluation of a recombinant immunocontraceptive brucellosis vaccine for swine
Nammalwar Sriranganathan

Safety and protectiveness of a novel vector vaccine against *Brucella abortus* in first-calf heifers
Kaissar Tabynov

Testing of immunogenic characteristics of the vaccine *B. abortus* strain S19 in application of reduced doses on small ruminants
Khabibulo Khamdamov

03:30 p.m. – 04:15 p.m. Coffee Break

04:15 p.m. – 05:30 p.m. **Session 6: Diagnostics**

Chair: Adrian M. Whatmore

Keynote Lecture: **Ana M. Nicola**

National Health Service and Agri-Food Quality (SENASA), Buenos Aires, Argentina

Oligosaccharide conjugates identify A and M epitopes and are superior ELISA antigens for presumptive diagnosis of brucellosis
David R. Bundle

Application of synthetic oligosaccharide conjugates based on the structure of the native *Brucella* OPS to the serodiagnosis of bovine brucellosis
John McGiven

Estimation of individual seroprevalence of brucellosis in large ruminants from bulk milk tank results
Wendy Beauvais

Use of Bionumerics and MALDI-TOF-MS data for the identification of *Brucella* species
Brea D. Duval

08:00 p.m. – 01:00 a.m. Soirée, Wasserwerk Berlin

■ Friday, 12 September

08:30 a.m. – 10:00 a.m. **Session 7: Human Brucellosis**

Chair: Rebekah Tiller

Keynote Lecture: **Assimoula Economopoulou**
European Centre for Disease Prevention and Control (ECDC), Stockholm, Sweden

Human *Brucella canis* infection by contact with an asymptomatic infected dog

Jorge C. Wallach

Linked human and livestock study on seroprevalence and risk factors for brucellosis in Kenya, 2012

Austine Bitek

Risk factors for human brucellosis in Kween District, Eastern Uganda: a case control study, 2011

Atuheire Emily

Epidemiological status of brucellosis in the Russian Federation

Yury K. Kulakov

10:00 a.m. – 10:45 a.m. Coffee Break

10:45 a.m. – 12:30 a.m. **Session 8: Livestock Brucellosis and Food Hygiene**

Chair: Falk Melzer

Keynote Lecture: **Jakob Zinsstag-Klopfenstein**
Swiss Tropical and Public Health Institute (TPH), Basel, Switzerland

Seroprevalence survey of animal brucellosis in Afghanistan

Abul Hussain

Descriptive epidemiology of bovine brucellosis in Gauteng Province, South Africa, 2009-2013

Krpasha Govindasamy

A nationwide cross-sectional study of ruminant brucellosis in Jordan

Imadidden I. Musallam

The identification of *Brucella* strains isolated during mass vaccination campaign with *B. melitensis* Rev1 and *B. abortus* S19 vaccines in Turkey

Sevil Erdenlig

Temporal analysis and costs of ruminant brucellosis eradication program in Egypt between 1999 and 2011

Mahmoud El Tholth

Investigating strategies to reduce the risk of brucellosis: opinions of Albanian sheep farmers

Mieghan Bruce

12:30 a.m. – 02:00 p.m. Lunch Break/Business Meeting

02:00 p.m – 03:30 p.m. **Session 9: Wildlife Brucellosis**

Chair: Philip H. Elzer

Keynote Lecture: **Jacques Godfroid**

University of Tromsø, Department of Arctic and Marine Biology, Tromsø, Norway

Brucella melitensis at the wildlife-livestock-human interface
in the UAE

Anne-Lise Chaber

Brucella infection cases among stranded marine mammals recovered
from the North Sea coasts of Belgium, Netherlands and France
(1999-2013)

David Fretin

Characterization of *Brucella* species from stranded cetaceans in the
United States: 2010 to present

Rebekah Tiller

First isolations of *Brucella ceti* from long-finned pilot whales
(*Globicephala melas*) and a Sowerby's beaked whale (*Mesoploden
bidens*)

Geoffrey Foster

Atlantic cod (*Gadus morhua*): a potential transmission host for
Brucella pinnipedialis hooded seal (*Cystophora cristata*) strain?

Annett K. Larsen

03:30 p.m. – 04:00 p.m. Poster Award/Closing Remarks and Farewell