



# BRUCELLA BIOLOGY MEETING

September 6-8, 2017

University of Namur, CH01 auditorium

## Wednesday, September 6

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- 17:00 Registration
- 18:00 **Opening session**
- 18:00 Welcome by Prof. Xavier De Bolle  
*Research Unit in Biology of Micro-organisms, University of Namur, Belgium*
- 18:10 Welcome by Prof. Martine Raes  
*Vice-rector for Research, University of Namur, Belgium*
- 18:20 Welcome by Dr. Véronique Halloin  
*Secretary-General of the Fund for Scientific Research – FNRS, Belgium*
- 18:30 **Keynote lecture**  
Prof. Edgardo Moreno  
*Veterinary School, National University, Costa Rica*  
**"Role of elements of the innate immune system during *Brucella* infections"**
- 19:15 **Opening Cocktail**



## Thursday, September 7

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- 9:00 **Keynote lecture**  
Prof. Ignacio Moriyon, Dr. Raquel Conde Alvarez, Prof. Maite Iriarte Cilveti & Dr. Amaia Zuniga Ripa  
*Institute of Tropical Health & Department of Microbiology and Parasitology, University of Navarra, Pamplona, Spain*  
**"*Brucella* envelope and metabolism, our life with Jean-Jacques"**



### Session 1. *Brucella* infection models

- 9:45 Prof. Jacques Godfroid  
*Department of Arctic and Marine Biology, University of Tromsø, Norway*  
**"*Brucella* infection in hooded seals (*Cystophora cristata*): what's on the seal's menu?"**
- 10:10 Prof. Eric Muraille  
*Laboratory of Parasitology, Université Libre de Bruxelles & Research Unit in Biology of Micro-organisms, University of Namur, Belgium*  
**"What have we learned from brucellosis using the experimental mouse model"**
- 10:35 *Coffee break*



## Session 2. *Brucella* strains: diagnosis, vaccines and genomics

11:05 Prof. Sascha Al-Dahouk  
*Department of Biological Safety, German Federal Institute for Risk Assessment (BfR), Berlin, Germany*  
**"Let's talk about brucellosis – not borreliosis!"**



11:30 Prof. José Maria Blasco  
*Animal health Department, Agrifood Research and Technology Centre of Aragon (CITA), Spain*  
**"Animal Brucellosis as a worldwide problem"**



11:55 Dr. David O'Callaghan,  
*U1047 INSERM Bacterial virulence and infectious disease, University of Montpellier, France*  
**"Having fun with recently discovered *Brucella*"**



12:20 Dr. David Fretin & Dr. Marcella Mori  
*Belgian National Reference Laboratory, CODA-CERVA, Belgium*  
**"Brucellosis in Belgium"**



12:45 Lunch

## Session 3. Hijacking of host cells by *Brucella*

14:15 Prof. Diego Comerchi  
*Institute for Research in Biotechnology, National University of General San Martín, Argentina*  
**"*Brucella* metabolism in the intracellular stage: the SerB case"**



14:40 Dr. Suzana Salcedo  
*CNRS UMR 5086, Laboratory of Molecular Microbiology and Structural Biochemistry, University of Lyon, France*  
**"Mission impossible: studying *Brucella* nuclear effectors"**



15:05 Prof. R. Marty Roop II  
*Department of Microbiology and Immunology, East Carolina University, USA*  
*East Carolina University (USA)*  
**"Two new players in Mn homeostasis in *Brucella*"**



15:30 Coffee break

16:00 Prof. Renée Tsolis  
*Department of Medical Microbiology and Immunology, University of California, Davis, USA*  
**"*Brucella* T4SS: a transmission factor?"**



16:25 Prof. Jean Celli  
*Washington Animal Disease Diagnostic Laboratory, Washington State University, USA*  
**"*Brucella* T4SS-mediated modulation of host secretory traffic: why?"**



Friday, September 8

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**Session 4. *Brucella* adaptation in host**

9:00 Prof. Jean-Jacques Letesson  
*Research Unit in Biology of Micro-organisms, University of Namur, Belgium*  
**"The answer will always be: «It's the metabolism..... Stupid!"**



9:25 Prof. Clayton Caswell  
*Department of Biomedical Sciences & Pathobiology, Virginia Tech, USA*  
**"RNA-mediated gene regulation in *Brucella*"**



9:50 Dr. Caterina Guzman-Verri,  
*Veterinary School of the National University, Costa Rica*  
**"*Brucella* networking, close and closer interactions"**



10:15 *Coffee break*

10:45 Prof. Sean Crosson  
*Department of Biochemistry and Molecular Biology, University of Chicago, USA*  
**"Sensory transduction pathways in *Brucella abortus*"**



11:10 Prof. Stephan Kohler  
*Centre d'études d'agents Pathogènes et Biotechnologie pour la Santé, University of Montpellier, France*  
**"*Brucella*: How to be Zen in a stressful world"**



11:35 Prof. Jean-Pierre Gorvel  
*Centre d'Immunologie de Marseille-Luminy (France)*  
**"Is *Brucella* at the center of the Universe?"**



12:00 Concluding remarks: Prof. Jean-Jacques Letesson

12:15 *Lunch*