

Mou Sherry - A Putative Carboxypeptidase Is Required for *Francisella tularensis* Virulence (USAMRIID, Maryland, USA)

Spidlova Petra - D-Ala D-Ala carboxypeptidase is involved in pathogenesis of *Francisella tularensis* (FoMHS, Hradec Kralove, CZ)

Klimentova Jana - Bacterial membrane vesicles – why do they release them? (FoMHS, Hradec Kralove, CZ)

Coffee break – Congress foyer

Worsham Patricia - Updates on Tularemia and Bulkholderia projects (USAMRIID, Maryland, USA)

Link Marek - Identification of MHC class II bound peptidome of dendritic cells (FoMHS, Hradec Kralove, CZ)

Fabrik Ivo - Proteomic Mapping of Cell Signaling in Dendritic Cells During Early Interactions with *Francisella tularensis* (FoMHS, Hradec Kralove, CZ)

Balonova Lucie - Inactivation of *Francisella tularensis* gene encoding putative flippase has a pleiotropic effect upon production of various glycoconjugates: Evidence for pilin protein modification by O-antigen (FoMHS, Hradec Kralove, CZ)

Lunch – VEBA hotel and MANOR house

Session II. - Chairman: Santic M., Krocova Z.

Santic Marina - The peculiar phenotype of IgG mutant in human macrophages and mice model (University of Rijeka, Medical Faculty, Croatia)

Putzova Daniela - Quantitative proteomic analysis of IFN- γ -induced cell surface proteins of mouse macrophages (FoMHS, Hradec Kralove, CZ)

Sekelova Zuzana - T-lymphocytes response to *Salmonella* infection (Veterinary Research Institute, Brno, CZ)

Maceckova Michaela - Influence of *Salmonella* antibodies on *Salmonella enterica* serovars motility (Veterinary Research Institute, Brno, CZ)

Coffee break - Congress foyer

Varmuzova Karolina - Use of chicken gut microbiota in a protection of newly hatched chickens against *S. Enteritidis* infection (Veterinary Research Institute, Brno, CZ)

Vasak Jiri (KRD)

Senitkova Iva - Synthetic Biology (HPST)

Korba Tomas - OneOmics™ in the Cloud – Connection of Next-Generation Sequencing and Next-Generation Proteomics Utilizing SWATH Acquisition (AMEDIS)

Pol Jaroslav (Thermo Fisher Scientific)

Kukla Stanislav - Microclass on cell analysis using microcapillary and microfluidics technologies (Merck)

Prokopova Dana (BioTech)

Sebo Peter - *Bordetella pertussis* and its adenylate cyclase toxin: How it works and what does it do (Institute of Microbiology of the CAS, CZ)

Novak Jakub - Getting past the guards and teaching them tolerance – lessons from *Bordetella pertussis* (Institute of Microbiology of the CAS, CZ)

Hasan Shakir - Bordetella adenylate cyclase toxin is a unique ligand of the integrin complement receptor 3 (Institute of Microbiology of the CAS, CZ)

Coffee break - Congress foyer

Faldyna Martin - Interferon-alpha downregulates response of porcine monocyte-derived macrophages to in vitro infection with *Mycobacterium avium* subsp. *avium* - the story of CXCL10 (Veterinary Research Institute, Brno, CZ)

Matiaskova Katarina - Catalase as a potential virulence factor in in vitro interaction between *Haemophilus parasuis* and porcine pulmonar alveolar macrophages (Veterinary Research Institute, Brno, CZ)

Dresler Jiri - Quantitative and qualitative proteomic analysis of *C. difficile* isolates of clinically relevant PCR-ribotypes (Military Health Institute, Prague, CZ)

McGoldrick Stephan (BIOMEDICA)

Lunch – VEBA hotel and MANOR house

Guided tour to Broumov Monastery

Transport for Conference Reception (in front of VEBA hotel)

Conference Reception

Joshi Lokesh - Glycobiology of pathogenic and commensal bacteria and gut cells (National University Ireland Galway, Ireland)

Utratna Marta - Investigation of carbohydrate-mediated bacterial adherence and microbial-host interactions for development of biodefence and decontamination strategies (National University Ireland Galway, Ireland)

Farewell dinner with advantage

Day 5, 2016)

Breakfast – VEBA hotel and MANOR house

Session IV. - Chairman: Rösl F., Gekara N.

Gekara Nelson - Recent concepts on the role of the ubiquitin system in innate immune regulation (MIMS, Umea University, Sweden)

Volf Jiri – Transient and prolonged response of chicken caecum mucosa to the colonization with different gut microbiota (Veterinary Research Institute, Brno, CZ)

Cejkova Darina - Chicken gut microbes – from genomics to probiotics (Veterinary Research Institute, Brno, CZ)

Hlavova Karolina, Stepanova Hana - Impact of deoxynivalenol on immune parameters in porcine colostrum (Veterinary Research Institute, Brno, CZ)

Oreskovic Zrinka - In vitro stimulation of porcine monocyte-derived dendritic cells can be influenced by cytokine microenvironment (Veterinary Research Institute, Brno, CZ)

Coffee break - Congress foyer

Rösl Frank - Is there a humoral escape mechanism for papillomaviruses during the development of non-melanoma skin cancer? (German Cancer Research Center, Heidelberg, Germany)

Yang Ruwen - *Chlamydia trachomatis* and HPV induced cervical cancer: a causal or coincidental interaction? (German Cancer Research Center, Heidelberg, Germany)

Eyer Ludek - Structure-activity relationships of nucleoside analogues for inhibition of tick-borne encephalitis virus (Veterinary Research Institute, Brno, CZ)

Closing the conference, lunch and departure of participants