

AGENDA

MONDAY (April 16, 2018)

- 4:00 – 6:45pm *Arrival of participants, Registration and helpdesk open* (Entrance hall, Institute Slavonice)
- 7:00 – 7:15pm **Kubelkova Klara** – Opening (Auditorium, Institute Slavonice)
- 7:15 – 7:50pm **Sjostedt Anders** – Keynote lecture (Umeå University, Umeå, SE)
- 7:50 – 12pm *Welcome party* (Entrance hall/Auditorium/Yellow/Blue rooms, Institute Slavonice)

TUESDAY (April 17, 2018)

8:00am – 10:50am **Session I. - Chairman: Charbit Alain**

- 8:00 – 8:45am **Alain Charbit** - Importance of metabolic pathways in *Francisella* pathogenesis (INSERM, Paris, FR)
- 8:45 – 9:10am **Kopečková Monika** - Glyceraldehyde-3-phosphate dehydrogenase of *Francisella tularensis* (FoMHS, Hradec Kralove, CZ)
- 9:10 – 9:35am **Špidlová Petra** - *Francisella tularensis* D-Ala D-Ala carboxypeptidase DacD is involved in intracellular replication and it is necessary for bacterial cell wall integrity (FoMHS, Hradec Kralove, CZ)
- 9:35 – 10:00am *Coffee break – Yellow/Blue rooms*
- 10:00 – 10:25am **Mou Sherry** - Characterization of a *Coxiella burnetii* Cvp Mutant Generated by Targeted Gene Deletion (USAMRIID, Maryland, USA)
- 10:25 – 10:50am **Stojková Pavla** - HU protein is involved in intracellular growth and full virulence of *Francisella tularensis* (FoMHS, Hradec Kralove, CZ)

WEDNESDAY (April 18, 2018)

8:00 – 12:25am

Session II. - Chairman: Bevins L. Charles

- 8:00 – 8:40am **Bevins L. Charles** - Paneth Cell Antimicrobials Help Maintain Homeostasis in the Small Intestine (University of California, Davis, USA)
- 8:40 – 9:05am **Kubelkova Klara** - A Few Notes on the Spatiotemporal Concept of Innate Immune Recognition (FoMHS, Hradec Kralove, CZ)
- 9:05 – 9:30am **Ahmad Jawid** - *Bordetella pertussis* adenylate cyclase toxin modulates functions of host innate immune cells (Institute of Microbiology of the CAS, CZ)
- 9:30 – 10:00am **Link Marek** – MHC-II peptidome of *F. tularensis* infected dendritic cells (FoMHS, Hradec Kralove, CZ)
- 10:00 – 10:30am *Coffee break - Congress foyer*
- 10:30 – 11.10am **Rychlik Ivan** - Structure and function of chicken gut microbiota (Veterinary Research Institute, Brno, CZ)
- 11:10 – 11.35am **Kubasova Tereza** - Competitive exclusion and colonization of chicken intestinal tract (Veterinary Research Institute, Brno, CZ)
- 11:35 – 12.00am **Kollarčíková Miloslava** - Ileal and caecal microbiota of chickens – identification of new opportunistic pathogens of chickens (Veterinary Research Institute, Brno, CZ)
- 12:00 – 12.25am **Plzakova Lenka** - Early cellular responses of germ free and specific pathogen free mice to *Francisella tularensis* infection (FoMHS, Hradec Kralove, CZ)
- 12:30 – 2:00pm *Lunch – ARKADA hotel*

2:00 – 6:10pm

Session III. - Chairman: Joshi Lokesh

- 2:00 – 2.40pm **Joshi Lokesh** – Host-Microbial interaction: identification and application of glycan-lectin components as decontamination tools (National University Ireland Galway, Ireland)
- 2:40 – 3.05pm **Yang Ruwen** - New insight into HPV related cancer and the role of a potential co-factor *Chlamydia trachomatis* using

- transcriptomic and proteomic methods (German Cancer Research Center, Heidelberg, GE)
- 3:05 – 3.30pm **Večerek Branislav** - Dual RNA-seq analysis of human macrophages infected by *Bordetella pertussis* (Institute of Microbiology of the CAS, CZ)
- 3:30 – 3.55pm **Hasan Shakir** - *Bordetella pertussis* Adenylate Cyclase Toxin Disrupts Functional Integrity of Bronchial Epithelial Layers (Institute of Microbiology of the CAS, CZ)
- 3:55 – 4:25pm *Coffee break - Congress foyer*
- 4:25 – 5.05pm **Klimentova Jana** - Outer membrane vesicles and nanotubes in *Francisella tularensis* (FoMHS, Hradec Kralove, CZ)
- 5:05 – 5.25pm **Volf Jan** - Exosomes in charge? The lesson from B-cell deficient chicken (Veterinary Research Institute, Brno, CZ)
- 5:25 – 5.40pm **AMEDIS spol. s.r.o. – Korba Tomáš** – Industrialized Quantitative Proteomics – Thousands of Proteins in Hundreds of Samples
- 5:40 – 5.55pm **KRD obchodní společnost s.r.o. – OpenSPR**: New approach to determination of the biomolecular interactions with detail information about kinetic data
- 5:55 – 6.10pm **MERCK spol. s.r.o. – Kukla Stanislav** – Sensitivity you can count on – a short introduction to new instrument platforms by Merck
- 7:00pm – 2:00am *Conference Reception* (Cellar and Yellow/Blue rooms, Institute Slavonice)

8:00 – 12:30am

Session IV. - Chairman: Roesl Frank

- 8:00 – 8:40am **Roesl Frank** - UV irradiation and cutaneous papillomavirus infection: development of non-melanoma skin cancer in a natural animal model (German Cancer Research Center, Heidelberg, GE)
- 8:40 – 9:05am **Ďuráčová Miloslava** - Proteomic profiling of virulent phase I and avirulent phase II of *Coxiella burnetii* employing axenic and cell culture-based cultivation (FoMHS, Hradec Kralove, CZ)

- 9:05 – 9:30am **Csicsay František** - Proteomic study of antigenicity of *Rickettsia akari* proteins (Biomedical Research Centre, SAS, Bratislava, SK)
- 9:30 – 9:55am **Čejková Darina** - Comparative genomics of clinical and environmental isolates of *Campylobacter jejuni* (Veterinary Research Institute, Brno, CZ)
- 9:55 – 10:30am *Coffee break - Congress foyer*
- 10:30 – 10:55am **Prokšová Magdaléna** – Seeking host target of *Francisella* pathogenicity island effectors (FoMHS, Hradec Kralove, CZ)
- 10:55 – 11:25am **Stulik Jiri** - Proteome profiling of *Francisella tularensis* dendritic cells invasion (FoMHS, Hradec Kralove, CZ)
- 11:25 – 11:50am **Novák Jakub** - Phosphoproteomics of *Bordetella Pertussis* Adenylate Cyclase Toxin Action in Mouse Dendritic Cells Reveales Inhibition of mTOR Pathway and CRT3-dependent Signaling (Institute of Microbiology of the CAS, CZ)
- 11:50 – 12:15am **Kamanová Jana** - *Bordetella* type III secretion system effector BteA: its functional divergence and mechanism of action (Institute of Microbiology of the CAS, CZ)
- 12:15 – 2:00pm *Closing the conference, lunch and departure of participants*