

Workshop on Arthropod-Borne Diseases transmitted by ticks, mites, fleas, and lice

15th - 16th November 2018

Friedrich-Loeffler-Institut, Federal Research Institute for Animal Health,
Conference room, Südufer 10, D-17493 Greifswald - Isle of Riems, Germany

15th November 2018

Registration: 10:30 - 11:30

Opening:

11:30 - 11:45 **Thomas C. Mettenleiter**, President of the FLI: **Welcome**

Cornelia Silaghi, Klaus Henning, Gustavo R. Makert dos Santos:
Historical overview of the Friedrich-Loeffler-Institut

Keynote 1

11:45 - 12:15 **Elton Rogozi**, Control of Infectious Diseases Department, Institute of Public Health, Tirana, Albania: **Distribution, ecology, taxonomy and data on the biological control of mosquito vectors in Albania based on a country-wide field survey**

Lunch

Keynote 2

13:15 - 13:45 **Ard Nijhof**, Freie Universität Berlin, Institut für Parasitologie und Tropenveterinärmedizin, Berlin, Germany: **Artificial tick feeding systems: possibilities and challenges**

Presentations 1: Tick-borne pathogens I (Chair: Gustavo R. Makert)

13:45 - 14:00 **Gustavo R. Makert et al.**, Department of Immunology, Vaccine Technologies Unit, Fraunhofer Institute for Cell Therapy and Immunology IZI, Leipzig, Germany: **Development of an *in vitro* feeding system for the analysis of the vector competence of ticks in the transmission of *Coxiella burnetii***

- 13:45 - 14:00 **Sophia Körner et al., Friedrich-Loeffler-Institut, Jena, Germany: Modelling uptake and organ distribution of *Coxiella burnetii* in ticks - development of an *in vitro* feeding system**
- 14:00 - 14:15 **Aitor Garcia-Vozmediano et al., Dept. Veterinary Sciences, University of Turin, Italy: Emergence of ticks and tick-borne diseases in Northwest Italy**
- 14:15 - 14:30 **Algimantas Paulauskas et al., Faculty of Natural Sciences, Vytautas Magnus University, Kaunas, Lithuania: *Rickettsia* spp. transmitted by arthropods in Baltic region**

Coffee break and Island Tour

Presentations 2: Tick-borne pathogens II (Chair: Klaus Henning)

- 16:00 - 16:15 **Lene Jung Kjær et al., Department for Diagnostics and Scientific Advice, National Veterinary Institute, Technical University of Denmark, Lyngby, Denmark: Predicting and mapping human risk of exposure to *Ixodes ricinus* nymphs in northern Europe using climatic and**
- 16:15 - 16:30 **Babette Abanda et al., University of Ngaoundéré, Faculty of Science, Ngaoundéré, Cameroon: Tick-borne pathogens detection in African cattle by PCR and a newly developed Reverse Line Blot microarray**
- 16:30 - 16:45 **Andrea Springer et al., Institute for Parasitology, Centre for Infection Medicine, University of Veterinary Medicine Hannover, Germany: *Borrelia*-infections of ticks removed from humans, 2013-2017**

Coffee break with Poster session

Presentations 3: Babesiosis (Chair: Cornelia Silaghi)

- 17:15 - 17:30 **Jana Radzijeuskaja et al., Department of Biology, Vytautas Magnus University, Lithuania: Canine babesiosis in Lithuania**
- 17:30 - 17:45 **Ivan Pavlović et al., Scientific Veterinary Institute of Serbia, Belgrade, Serbia: Canine babesiosis in Belgrade area in period 2015-2017**
- 17:45 - 18:00 **Andrea Springer et al., Institute for Parasitology, Centre for Infection Medicine, University of Veterinary Medicine Hannover, Germany: Epidemiological investigations into a babesiosis outbreak in a Northern German cattle herd**

- 19:30 **Dinner at Kulturbahnhof, Greifswald**
(not included in the workshop fee)

16th November

Presentations 4: Other vectors and vector-borne pathogens (Chair: Klaus Henning)

- 09:15 - 09:30 Elisabeth Wöhnke et al., Friedrich-Loeffler-Institut, Federal Research Institute for Animal Health, Greifswald-Insel Riems, Germany: **Vector competence of field-collected and laboratory reared mosquitoes for West Nile virus Lineage 1**
- 09:30 - 09:45 Silvija Vuckovic et al., Friedrich-Loeffler-Institut, Federal Research Institute for Animal Health, Greifswald-Insel Riems, Germany: **The influence of virus variant selection on Culicoides vector competence for bluetongue virus**
- 09:45 - 10:00 Georg Gerhard Duscher et al., Institute of Parasitology, Department of Pathobiology, University of Veterinary Medicine Vienna, Austria: **Effect of a combination of H₂O₂ fluid and permethrin by use of a fogger-technique on permethrin resistant and non-resistant bed bugs (*Cimex lectularius*)**
- 10:00 - 10:15 Olatunde B. Akanbi et al., Department of Veterinary Pathology, Faculty of Veterinary Medicine, University of Ilorin, Nigeria: **Clinico-pathological presentation of babesiosis and demodicosis in different domestic animals species**
- 10:15 - 10:30 Eva Scholl, SchädlingsBiologie Scholl, Bonn, Germany, **Integrated Pest Management (Schaedlingsbiologie) - Update 2018**
- 10:30 - 10:45 Leonie Arnold et al., Friedrich-Loeffler-Institut, Federal Research Institute for Animal Health, Greifswald-Insel Riems, Germany: **Tick, mite and flea infestation of small mammals at three locations in Germany**

Coffee break and poster session

Presentations 5: Tick-borne pathogens III (Chair: Cornelia Silaghi)

- 11:15 - 11:30 Adefolake Bankole et al., School of Health, Sports and Bioscience, University of East London: **What is the significance of Candidatus *Borrelia Kalaharica* in the cause of febrile illness in Nigeria?**
- 11:30 - 11:45 Cristian Raileanu et al., Friedrich Loeffler-Institut, Federal Research Institute for Animal Health, Greifswald-Insel Riems, Germany: **Molecular survey of two major tick-borne pathogens in *Ixodes ricinus* ticks collected from natural habitats in North East Germany**
- 11:45 - 12:00 Ana Vasic et al., Friedrich-Loeffler Institut, Federal Research Institute for Animal Health, Greifswald-Insel Riems, Germany: **Tick infestation and occurrence of *Anaplasma phagocytophilum* and piroplasm in cattle in the Republic of Serbia**

12:00 - 12:15

Vesta Matulaitytė et al., Vytautas Magnus University, Lithuania: Tick-borne pathogens detected in ticks from passerine migratory birds in Lithuania

12:15 - 12:30

Final discussion

Lunch and Departure