

NRCPD SEMINAR (PhD Students and Postdocs)
February 27, 2024
PK Hall (9:00-16:40)

Session 1 (9:00-12:00)

1. Unraveling the relationship between the population genetic structure of *Tabanus nipponicus* (Tabanids) and its *Trypanosoma* spp. infection rate across different altitudes in Tokachi Region, Hokkaido, Japan
REGILME Maria Angenica Fulo, (9:00-9:15)
2. First molecular survey of tick-borne protozoan and bacterial pathogens in questing tick population in Bangladesh
Uday Kumar Mohanta, (9:15-9:30)
3. Development of Nano biotechnology-based delivery system to suppress *Babesia gibsoni* growth
Shimaa El-Sayed, (9:30-9:45)
4. Antiplasmodial Activity Evaluation of Synthetic (\pm)-Brachangobinan A (in vitro, in vivo, and in silico studies)
Nanang Ariefta, (9:45-10:00)
5. Risk factors and clinical significance of *Theileria* sp. Yokoyama infection in cattle
Thillaiampalam Sivakumar, (10:00-10:15)
6. High-throughput screening of a compound library against equine piroplasmiasis
Guswanto, (10:15-10:30)
7. Circulating antigen detection of *Schistosoma japonicum* infection: An innovative approach for an active case detection
Adrian Miki Cular MACALANDA, (10:30-10:45)
8. A survey of tick infesting owned dogs and zoonotic microorganism detection in *Rhipicephalus sanguineus* (the brown dog tick) from Vietnam
Do Thanh Thom (10:45-11:00)
9. Targeted inhibition of ATP4 ion pump in *Babesia* parasites using cipargamin: a promising drug candidate against Babesiosis
Hang Li (11:00-11:15)
10. Feline vector-borne haemopathogens in Turkey: the first molecular detection of *Mycoplasma wenyonii* in cats and ongoing *Babesia ovis* DNA presence in unspecific hosts
Zhuowei Ma (11:15-11:30)
11. Molecular Surveillance of Vector-Borne Pathogens Infecting Camels from Cairo and Giza, Egypt: The First Detection of Hemotropic Mycoplasma Among Camels from Egypt
Moaz Amer (11:30-11:45)

12. Development of DNA vaccine based on *Toxoplasma gondii* effector molecules TgGRA7, TgGRA14, TgGRA15 with a liposomal nanocarrier an SS-Cleavable and PH-activated lipid-like material (ssPalme) to control *T. gondii* infection in C57BL/6 mouse model
Tanjila Hasan (11:45-12:00)

Lunch Break 12:00-13:00

Session 2 (13:00-14:15)

13. Mitochondrial damage and IL-1 β production of monocytes by *Neospora caninum* infection is mediated by dense granule protein 7 and prohibitins
Chen Yu (13:00-13:15)
14. Role of *Neospora caninum* cyclophilin in the pathogenesis of neosporosis
Md Hasibul Hasan (13:15-13:30)
15. Study on molecular mechanisms of *Babesia* transmission in *Haemaphysalis longicornis* ticks
Dong Liang (13:30-13:45)
16. Epidemiological survey of zoonotic *Babesia* species in questing ticks in Hokkaido, Japan
Yihong Ma (13:45-14:00)
17. Non-lethal *Plasmodium*-mediated protection against *Babesia rodhaini* in a murine co-infection model
Iqra Zafar (14:00-14:15)

Break 14:15-14:20

Session 3 (14:20-15:35)

18. Morphological characteristics, seasonal activities, and veterinary importance of *Haemaphysalis mageshimaensis* in Yaeyama, Okinawa, Japan
Satoko Nakao (14:20-14:35) *online
19. Stable expression of Red Fluorescent Protein-Blasticidin Deaminase Fusion Gene (RFP-BSD) as a Selectable Marker for DNA-Transfection in *Babesia ovata*
Nada Arayaskul (14:35-14:50)
20. Studies on analysis of population structure of *Schistosoma japonicum* in the Philippines with microsatellite marker system
Sirin Kunluang (14:50-15:05)
21. Functional analysis of *Babesia bovis* spherical body protein 3
Atefeh Fathi (15:05-15:20)
22. Characterization of MFS as a transporter protein in *Babesia ovata*
Silviane Miruka (15:20-15:35)

Session 4 (15:35-16:35)

Free discussion

[For speakers]

Please prepare an A4 or A3-sized handout of your presentation (summary or all slides of your presentation) to discuss your data with participants. You may bring your own laptop instead of printed materials.

Closing remarks by Prof. Kawazu (16:35-16:40)