

**NRCPD seminar** (Postdocs, PhD students, and research students)

**March 16 (Wednesday), 2021, 9:00 – 15:00 (Zoom)**

**Important announcement: Yuho Watanabe (09:00 – 09:05)**

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**SESSION 1: 9:05-10:05 (Postdocs)**

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- Characterization of the function of VESA export-associated protein (VEAP) of *Babesia ovata*  
**Yuho Watanabe** (09:05 – 09:20)
- Phylogenetic analyses of the mitochondrial, plastid, and nuclear genes of *Babesia* sp. Mymensingh and its naming as *Babesia naoakii* n. sp.  
**Thillaiampalam Sivakumar** (09:20 – 9:35)
- Chemical Biology Approaches to Discover Anti-Toxoplasma Utilizing Fungal Endophytes  
**Nanang Ariefta** (9:35 – 9:50)

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Break 9:50-10:15

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**SESSION 2: 10:15-11:45 (Students)**

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- Molecular survey of bovine *Babesia* species in Bactrian camels in Mongolia  
**Otgonsuren Davaajav** (10:15 – 10:30)
- First detection of *Theileria equi* in free-roaming donkeys (*Equus africanus asinus*) in Sri Lanka  
**Believe Ahedor** (10:30 – 10:45)
- Genomic epidemiological survey and development of diagnostic system for livestock babesiosis in the Philippines  
**Galon Eloiza May** (10:45 – 11:00)
- Epidemiology of vector-borne pathogens in dogs and the establishment of control measures for the diseases in Vietnam  
**Do Thanh Thom** (11:00 – 11:15)
- Molecular investigation and identification of tick-borne pathogens in tick from small ruminant of Turkey  
**Zhuowei Ma** (11:15 – 11:30)
- Cloning, expression and evaluation of thioredoxin peroxidase-1 (TPx-1) from *Schistosoma mekongi* for diagnosis of the patients with *S. mekongi* infection  
**Atcharaphan Wanlop** (11:30 – 11:45)

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Lunch Break 11:45-13:00

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**SESSION 3: 13:00-14:00 (Students)**

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- Protective efficacy of NcGRA7-deficient parasite as a live attenuated vaccine against *Neospora caninum* infection  
**Ahmed Abdou** (13:00 – 13:15)
- Vaccine development based on gene-edited *Neospora* parasite to control *Toxoplasma* infection  
**Tanjila Hasan** (13:15 – 13:30)
- Genome editing in *Babesia ovata* using the CRISPR/Cas9 system  
**Nada Arayaskul** (13:30 – 13:45)
- Functional analysis of *Babesia bovis* spherical body proteins  
**Atefeh Fathi** (13:45 – 14:00)

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Break 14:00-14:10

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**SESSION 4: 14:10-14:55 (Students)**

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- Inhibitory efficacy of MMV390048 on *Babesia* parasites  
**Shengwei Ji** (14:10 – 14:25)
- Study on the development of therapeutic and preventive measures for canine babesiosis  
**Li Hang** (14:25 – 14:40)
- *Babesia microti* and *Plasmodium berghei* co-infection in mice  
**Iqra Zafar** (14:40– 14:55)

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**Closing remarks, Prof. Kawazu (14:55 – 15:00)**

Organized by  
Dr. Yuho Watanabe, Ms. Galon Eloiza May, Dr. Umemiya-Shirafuji Rika  
and Dr. Keisuke Suganuma