

## NRCPD セミナー (学部学生・修士課程学生)

August 8, 2022

### SESSION 1: 9:15 – 10:15、座長：菅沼 啓輔

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無発情期の雌イヌにおける抗インヒビン血清と eCG 投与による発情誘起

古村 奈瑚 (9:15 – 9:30)

*Babesia ovata* 感染フタトゲチマダニにおける *Vg-1* 遺伝子の発現解析

佐藤 成子 (9:30 – 9:45)

次世代シーケンサーによる犬糸状虫発育ステージ別の転写比較解析

池田 奈央 (9:45 – 10:00)

SCID マウスによる犬糸状虫マイクロフィラリア血症モデルの構築

水関 実法子 (10:00 – 10:15)

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Break time 10:15 – 10:25

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### SESSION 2: 10:25 – 11:25、座長：白藤 梨可

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*Babesia ovata* の Major Facilitator Superfamily は赤血球表面で Blasticidin-S の取り込みに関与する

佐藤 未都 (10:25 – 10:40)

*Babesia bovis* Coronin の機能解析

吉田 朱寧 (10:40 – 10:55)

トキソプラズマの ROP17 遺伝子と脳への移動との関係

中村 八雲 (10:55 – 11:10)

Epidemiological study of tick-borne pathogens in livestock from the Qinghai-Tibetan plateau area

Yihong Ma (11:10 – 11:25)

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Break time 11:25 – 11:35

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### SESSION 3: 11:35 – 12:35、座長：渡邊 (潮) 奈々子

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十勝管内におけるアブ類の発生動態調査及びその保有病原体の解析

安馬 英斗 (11:35 – 11:50)

Biochemical characterization of the putative sulfite oxidase from an intestinal parasite *Schistosoma mansoni*

**Saki Suguta** (11:50 – 12:05)

The expression profile analysis of transient receptor potential (TRP) channel, the possible target of praziquantel in *Schistosoma japonicum*

**Kaho Shinozaki** (12:05 – 12:20)

日本における牛バベシアの分子疫学調査

**森 菜々美** (12:20 – 12:35)

**幹事：水関 実法子、白藤 梨可、菅沼 啓輔**

**NRCPD seminar (PhD students, master students and research students)**  
August 8 – 9, 2022

**August 8, 2022**

**SESSION 1: 14.00 – 15.15**

- In silico analysis of candidate antigens for the sero-diagnosis of equine piroplasmosis

**Otgonsuren Davaajav** (14.00 – 14.15), P- 04

- Field surveillance of *Schistosoma japonicum* infection in humans and water buffaloes from Leyte Province, Philippines

**Atcharaphan Wanlop** (14.15 – 14.30), P- 05

- Molecular investigation and identification of tick-borne pathogens in tick from small ruminant of Turkey

**Zhuowei Ma** (14.30 – 14.45), P- 06

- Utility of targeted amplicon deep sequencing for the characterization of bovine piroplasma populations in the Philippines

**Galon Eloiza May** (14.45 – 15.00), P- 07

- PCR detection of *Theileria equi* and *Babesia caballi* in naturally infected horses in Paraguay

**Believe Ahedo** (15.00 – 15.15), P- 08

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**Break time 15.15 – 15.30**

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**SESSION 2: 15.30 – 16.15**

- Epidemiology of vector-borne pathogens in dogs and the establishment of control measures for the diseases in Vietnam

**Do Thanh Thom** (15.30 – 15.45), P- 09

- Molecular Detection and Characterization of Cattle Ticks and Tick-Borne Pathogens in Malawi

**Boniface Onesmo Chikufenji** (15.45 – 16.00), P- 10

- Epidemiological Survey on Tick-Borne Diseases of Camels in Egypt and Establishment of Control Measures

**Moaz Amer** (16.00 – 16.15), P- 11

**August 9, 2022**

**SESSION 1: 09.30 – 10.30**

- Acaricidal effect of Egyptian plant extracts against *Haemaphysalis longicornis* ticks

**Ahmed Abdou** (09.30 – 09.45), P- 12

- Phosphatidylinositol 4-kinase is a promising target for radical cure *Babesia microti* infection in immunocompromised hosts

**Shengwei Ji** (09.45 – 10.00), P- 13

- *Babesia microti* and *Plasmodium berghei* co-infection in mice

**Iqra Zafar** (10.00 – 10.15), P- 14

- Screening the compounds from the kinase inhibitor library against *Babesia gibsoni* in vitro and *Babesia microti* in vivo

**Hang Li** (10.15 – 10.30), P- 15

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**Break time 10.30 – 10.45**

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**SESSION 2: 10.45 – 11.45**

- Development of recombinant *Toxoplasma*-derived effector molecules (TgGRA7, TgGRA14, and TgGR15) to control *Toxoplasma* infection

**Tanjila Hasan** (10.45 – 11.00), P- 16

- Study of the Function and the Mechanism on the *Toxoplasma gondii* GRA7 Regulating the Activation of NLRP3 Inflammasome

**Chen Yu** (11.00 – 11.15), P- 17

- Genome editing in *Babesia ovata* using the CRISPR/Cas9 system

**Nada Arayaskul** (11.15 – 11.30), P- 18

- Functional analysis of *Babesia bovis* spherical body proteins

**Atefeh Fathi** (11.30 – 11.45), P- 19

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**Organizers: Atcharaphan Wanlop, Nada Arayaskul,**

**Dr. Rika Shirafuji and Dr. Keisuke Sukanuma**

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

**August 09 (Tuesday), 2022, 13:00 – 15:20 (Zoom)**

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**SESSION 1: 13:00-14:00**

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- High prevalence of *Trypanosoma evansi* infection in goats and horses from Cavite, Philippines  
**Adrian Miki C. Macalanda** (13:00 – 13:15)
- Nicking and Extension Amplification Reaction (NEAR) as a rapid molecular diagnostic test for detecting *Theileria orientalis*  
**Thillaiampalam Sivakumar** (13:15 – 13:30)
- Molecular Characterization of Ticks and Tick-Borne Pathogens of Livestock in Bangladesh  
**Uday Kumar Mohanta** (13:30 – 13:45)
- Nano biotechnology molecular target approaches to suppress *Babesia gibsoni* growth utilizing a novel gene therapy  
**Shimaa El-Sayed** (13:45 – 14:00)

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Break 14:00-14:15

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**SESSION 2: 14:15-15:15**

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- Involvement of Toll-like receptor 2 in demyelination and remyelination by latent *Toxoplasma* infection in mice  
**Nanako Ushio-Watanabe** (14:15 – 14:30)
- Evaluation of 2,5-diphenyloxazole derivatives for antiplasmodial agents  
**Nanang Ariefta** (14:30 – 14:45)
- Toxoplasmosis in livestock and wild animals Mongolia  
**Punsantsogvoo Myagmarsure** (14:45 – 15:00)
- Screening of anti-protozoan compounds from natural resources (*Actinobacteria*)  
**BALDORJ PAGMADULAM** (15:00 – 15:15)

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**Closing remarks, Prof. Kawazu (15:15 – 15:20)**

**Organizers: Dr. Nanako Watanabe, Dr. Rika Shirafuji, and  
Dr. Keisuke Suganuma**