

Curriculum vitae



Personal Information

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Education

Ph.D. (Vet. Pathobiology) 2016-present Faculty of Veterinary Science,
Chulalongkorn University, Bangkok,
Thailand
M. Sc. (Vet. Pathobiology) 2014-2016 Faculty of Veterinary Science,
Chulalongkorn University, Bangkok,
Thailand
D.V.M. (Honors) 2007-2011 Faculty of Veterinary Medicine,
Khon Kaen University, Khon Kaen,
Thailand

Work experience

1. Veterinarian 2012-2014 Suanluang Animal Hospital,
Bangkok, Thailand
2. Teaching assistant in Veterinary Microbiology course for veterinary undergraduate
student 2014-present Faculty of Veterinary Science,
Chulalongkorn University, Bangkok,
Thailand

3. Research assistant supporting microbiology projects
 1. Role of *Leptospira* spp. in cats as a pathogen causing disease and role of cats in transmission of zoonotic agent (2017-2018, published paper)
 2. Prevalence of *Leptospira* spp. infection in healthy and sick dogs in Thailand and determination of infecting serovar (2017-2018, preparing manuscript)
 3. Complete genome sequence of extensively drug-resistant *Acinetobacter baumannii* sequence type 2 strain CUVET-MIC596 from dog (2019, preparing manuscript).
4. Oversea research experience at Institute of Veterinary Bacteriology, University of Bern, Switzerland (Topic: Complete sequence and comparative genome analysis of *L. weilii* using the Oxford Nanopore Technology (ONT) sequencing) (April 1 – June 30, 2019, preparing manuscript).

Publications

1. **Kurilung A**, Keeratipusana C, Horiike T, Suriyaphol P, Hampson D J and Prapasarakul N. 2019. Chronology of emergence of the genus *Leptospira* and over-representation of gene families enriched by vitamin B2, B12 biosynthesis, cell adhesion and external encapsulating structure in *L. interrogans* isolates from asymptomatic dogs. *Infect Genet Evol.* 73: 7-12.
2. **Kurilung A**, Keeratipusana C, Suriyaphol P, Hampson D J and Prapasarakul N. 2019. Genomic analysis of *Leptospira interrogans* serovar Paidjan and Dadas isolates from carrier dogs and comparative genomic analysis to detect genes under positive selection. *BMC Genomics.* 20(1): 168.
3. **Kurilung, A.**, Keeratipusana, C., Suriyaphol, P., Prapasarakul, N., 2018. Draft genome sequence of a *Leptospira interrogans* strain isolated from the urine of an asymptomatic dog in Thailand. *Genome Announc* 6.
4. Sprissler, F., Jongwattanapisan, P., Luengyosluechakul, S., Pusoonthornthum, R., Prapasarakul, N., **Kurilung, A.**, Goris, M., Ahmed, A., Reese, S., Bergmann, M., Dorsch, R., Klaasen, H., Hartmann, K., 2018. *Leptospira* infection and shedding in cats in Thailand. *Transbound Emerg Dis.*
5. **Kurilung, A.**, Chanchaithong, P., Lugsomya, K., Niyomtham, W., Wuthiekanun, V., Prapasarakul, N., 2017. Molecular detection and isolation of pathogenic *Leptospira* from asymptomatic humans, domestic animals and water sources in Nan province, a rural area of Thailand. *Res Vet Sci* 115, 146-154.

Proceedings and Presentations

1. **Kurilung, A.**, Keeratipusana, C., Suriyaphol, P., Prapasarakul, N., Genomic characterization and comparative analysis of *Leptospira interrogans* isolated from the urine of asymptomatic dogs, Thailand. The 17th Chulalongkorn University Veterinary Conference (CUVC). April 25-27, 2018.
2. **Kurilung, A.**, Thongdee, M., Duangchawee, G., Ratanakorn, P., Chanchaithong, P., Prapasarakul, N., 2017. Molecular epidemiology of *Leptospira* isolated from human, domestic animals, rodents and environment in Nan province, Thailand. The 16th Chulalongkorn University Veterinary Conference (CUVC). April 22-24, 2017.

3. **Kurilung, A.**, Prapasarakul, N., Application of leptospiral solid agar (LVW) for antimicrobial disk susceptibility of canine *L. interrogans* and *L. weilii*: A preliminary study. The 16th Chulalongkorn University Veterinary Conference (CUVC). April 22-24, 2017.
4. **Kurilung, A.**, Chanchaithong, Lugsomya, K., Niyomtham, W., Tantilertcharoen, R., Prapasarakul, N., 2017. Molecular detection for *Leptospira* spp. in urine of asymptomatic animals in Nan province, Thailand. The 15th Chulalongkorn University Veterinary Conference (CUVC). April 20-22, 2016.
5. **Kurilung, A.**, Chanchaithong, Lugsomya, K., Phumthanakorn, N., Niyomtham, W., Jaijan, A., Prapasarakul, N., 2015. Detection and isolation of *Leptospira* spp. in domestic animals, Nan province, Thailand. The 14th Chulalongkorn University Veterinary Conference (CUVC). April 20-22, 2015.
6. **Kurilung, A.**, Chanchaithong, Lugsomya, K., Niyomtham, W., Tantilertcharoen, R., Prapasarakul, N., 2015. Comparison of microscopic agglutination, culture and molecular tools for diagnosis of pathogenic *Leptospira* in asymptomatic dogs. The VPAT Regional Veterinary Congress (VRVC). July 26-29, 2015.
7. **Kurilung, A.**, Chanchaithong, Lugsomya, K., Niyomtham, W., Tantilertcharoen, R., Prapasarakul, N., 2015. Comparison of microscopic agglutination, culture and molecular tools for diagnosis *Leptospira* in domestic animals in Nan province, Thailand. Emerging infectious disease in animal conference. August 20, 2015.

Personal honor

1. Research Excellent Award, VPAT Regional Veterinary Congress 2015 (VRVC 2015), Bangkok, Thailand.
2. Thesis Excellent Award for Master degree student, Ratchadaphiseksomphot Endowment Fund 2018, Chulalongkorn University, Bangkok, Thailand.