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**Doctor of Philosophy**

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**Post-Doctoral**

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**Selected publications:**

2011. Epidemiological survey for *Brucella* in wildlife and stray dogs, a cat and rodents captured on farms. *Journal of Veterinary Medical Science*. 73, 1597-1601.

2013. Prevalence of swine viral and bacterial pathogens in rodents and stray cats captured around pig farms in northeast of South Korea. *Journal of Veterinary Medical Science*. 75, 1647-1650.

2013. Immunogenicity of IMS 1113 plus soluble subunit and chimeric proteins containing *Mycoplasma hyopneumoniae* P97 C-terminal repeat regions. *FEMS Microbiology Letters*. 352, 213-220.

2014. Identification, characterization and protective properties of the attenuated *Brucella abortus* *cydC* and *looP* mutants. *Clinical and Vaccine Immunology*. 21, 1573-1580.

6. 2015. Mutation of *purD* and *purF* genes further attenuates *Brucella abortus* strain RB51. *Microbial and Pathogenesis*. 79, 1-7.
7. 2015. Booster vaccination of safe, modified live attenuated mutants of *Brucella abortus* strain RB51 vaccine confers protective immunity against virulent strains of *Brucella abortus* and *Brucella canis* in BALB/c mice. *Microbiology*. 161, 2137-2148
8. 2015. *Brucella abortus* DcydCDcydD and DcydCDpurD double-mutants are highly attenuated and confer long-term protective immunity against virulent *Brucella abortus*. *Vaccine*. 34, 237-244
9. 2015. Validation of the role of rpoS, hmp, and ssrAB in *Salmonella enterica Gallinarum* and evaluation of a triple-deletion mutant as a live vaccine candidate in Lohmann layer chickens. *Journal of Veterinary Science*. 16, 187-194.
10. 2016. *Brucella abortus* mutants lacking ATP-binding cassette transporter proteins are highly attenuated in virulence and confer protective immunity against virulent *B. abortus* challenge in BALB/c mice. *Microbial and Pathogenesis*. 95, 175-185.
11. 2020. Construction and immunization with double mutant  $\Delta$ apxIBD  $\Delta$ pnp forms of *Actinobacillus pleuropneumoniae* serotypes 1 and 5. *Journal of Veterinary Science* 21
12. 2020. Enhancement of Apx toxin production in *Actinobacillus pleuropneumoniae* serotype 1, 2 and 5 by optimizing culture conditions. *Journal of Microbiology and Biotechnology*.
13. 2021. Genome Sequence of a Virulent African Swine Fever Virus Isolated in 2020 from a Domestic Pig in Northern Vietnam. *Microbiology Resource Announcements*.
14. 2021. Pathological lesions and presence of viral antigens in four pigs after recovery from African swine fever infection in outbreak farms in Vietnam. *Journal of Veterinary Medical Science*.
15. 2021. Natural oil blend formulation as an anti-African swine fever virus agent in in vitro primary porcine alveolar macrophage culture. *Veterinary World*
16. 2021. Isolation, characterization, and neutralizing activity of porcine epidemic diarrhea viruses from Vietnam. *Korean Journal of Veterinary Research*.



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### Các công trình chính:

2011. Epidemiological survey for *Brucella* in wildlife and stray dogs, a cat and rodents captured on farms. *Journal of Veterinary Medical Science*. 73, 1597-1601.

2013. Prevalence of swine viral and bacterial pathogens in rodents and stray cats captured around pig farms in northeast of South Korea. *Journal of Veterinary Medical Science*. 75, 1647-1650.

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2014. Identification, characterization and protective properties of the attenuated *Brucella abortus* *cydC* and *looP* mutants. *Clinical and Vaccine Immunology*. 21, 1573-1580.

2014. Proteomic analysis of outer membrane proteins in

6. 2015. Mutation of *purD* and *purF* genes further attenuates *Brucella abortus* strain RB51. *Microbial and Pathogenesis*. 79, 1-7.
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