

Curriculum Vitae

Name: Xue Wu

Position: Graduate Student

Institution: University of Florida
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EDUCATION

2022.08-present **Ph.D. Student in Public Health** with concentration in **Environmental and Global Health**, University of Florida, Gainesville, FL

2017.09-2022.06 **B.S., Veterinary Medicine**, Huazhong Agricultural University, Wuhan, China

RESEARCH EXPERIENCE AND POSITIONS

2022.08-present

Graduate Assistant, Center for Environmental and Human Toxicology, Department of Environmental and Global Health, College of Public Health and Health Professions, University of Florida, Gainesville, FL.

2022.08-present

Development and application of computational technologies for drugs in animals to address research questions related to animal-derived food safety assessment.

- Project 1: Development of a Physiologically Based Pharmacokinetic (PBPK) Model for Flunixin in Cattle and Swine Following Dermal Exposure
- Project 2: Pharmacokinetics, Tissue Residue Depletion, and Withdrawal Interval Estimations of Florfenicol in Goats Following Subcutaneous Administration
- Project 3: Development of QSAR Model to Predict the Half-life of Drugs in Food Animals

Mentor: Dr. Zhoumeng Lin

2020.10-2022.06

Preparation and application of monoclonal antibody against *Bovine Norovirus*.

Mentor: Dr. Aizhen Guo

2018.09-2020.06

Establishment of epidemiological cut-off and determination of drug resistance of *Haemophilus parasuis*.

Mentor: Dr. Haihong Hao

PUBLICATIONS

1. Chen C, Chen J, Zhou X, **WU X**, Wang J, Huang A, Hao H. (2021). Establishment of Epidemiological Cut-off Values and Determination of Drug Resistance of *Haemophilus parasuis* with β -lactam Drugs. *Acta Veterinaria et Zootechnica Sinica*, 52.11(2021):3234-3245. doi: CNKI: SUN: XMSY.0.2021-11-025.

2. Chen J, Chen C, **WU X**, Huang A, Hao H. (2021). Establishment of the Epidemiological Cut-off Values of *Haemophilus parasuis* for Quinolone. China Animal Husbandry & Veterinary Medicine (11),4292-4301. doi: 10.16431/j.cnki.1671-7236.2021.11.039.

ABSTRACTS AND CONFERENCE PRESENTATIONS/PROCEEDINGS

1. **Wu X**, Chou WC, Maunsell FP, Lin Z. Development of a Physiologically Based Pharmacokinetic (PBPK) Model for Flunixin in Cattle and Swine Following Dermal Exposure. The 62nd Annual Meeting of Society of Toxicology, Nashville, TN. The Toxicologist, Supplement to Toxicological Sciences, 192, (S1), p. 400, abstract/poster board #: 4325/P190. (March 19-23, 2023) [**Perry J. Gehring Biological Modeling Endowment Award presented by Society of Toxicology Biological Modeling Specialty Section; Best Trainee Abstract Award Honorable Mention presented by Society of Toxicology Biological Modeling Specialty Section**]

2. **Wu X**, Chou WC, Maunsell FP, Lin Z. “Shark Tank” style platform presentation entitled “Predicting Withdrawal Times of Flunixin in Cattle Following Dermal Exposure Using a PBPK Model”, Lake Nona Leadership Council Meeting, Orlando, FL. (March 28,2023)

3. **Wu X**. Participant in UC Davis Education Conference on ONE HEALTH for Food Safety, Agricultural, and Animal Health ----A presentation named “Prevention and Control of Brucellosis”, (July 26- August 6, 2021)

AWARDS, HONORS, AND SCHOLARSHIPS

2023 PHHP PhD Fellowship in Artificial Intelligence. Title: An Artificial Intelligence-Based Quantitative Structure-Activity Relationship (QSAR) Model to Predict the Plasma Half-life of Drugs in Food Animals. **Xue Wu**. PI/Mentor: Zhoumeng Lin. Co-Is: Lisa Tell and Fiona Maunsell.

2023 Department of Environmental and Global Health travel award

2023 Perry J. Gehring Biological Modeling Endowment Award presented by Biological Modeling Specialty Section (SOT, Society of Toxicology)

2023 Best Trainee Abstract Award Honorable Mention presented by Biological Modeling Specialty Section: “Development of a Physiologically Based Pharmacokinetic (PBPK) Model for Flunixin in Cattle and Swine Following Dermal Exposure” (SOT, Society of Toxicology)

2021 Second award of the University Animal Medicine Professional Skills Competition

2020 Huan Chun Scholarship (Provincial innovation and entrepreneurship project)

2019 Excellent summer social practice team of college students

2019 Huan Chun Scholarship (University Science and Technology Innovation Fund)