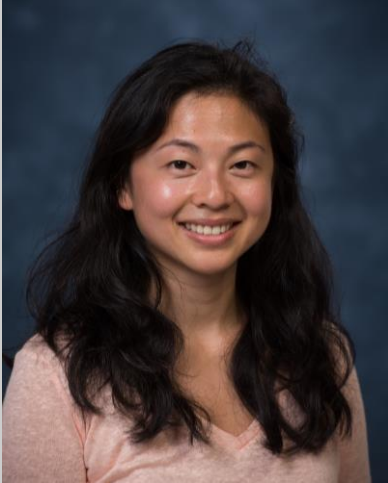




C. Annie Wang



DVM-PhD Research Assistant
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Epidemiology and Antimicrobial Resistance

Research emphasis:

Annie's research interests revolve around the epidemiology of zoonotic infectious diseases. Her previous graduate research investigated social and environmental risk factors for Q fever (*Coxiella burnetii*) transmission in central Kenya. Currently her research focuses on integrating computational and microbiological methods to understand ecological and evolutionary mechanism of AMR in *Campylobacter coli* from agricultural swine herds. Annie is especially interested in global health and understanding infectious disease epidemiology at the human-animal interface through interdisciplinary research.

Applications:

- Infectious Disease Epidemiology
- Ecology and Evolution of AMR
- Population Genetics

Research Strengths:

- Statistical and Network Analyses
- Bacterial Whole-Genome Sequencing
- Epidemiological Methods
- Antimicrobial Susceptibility Testing

Publications and Abstracts:

Wang, C., Love, W., Thakur, S., Lanzas, C. (2017) Antimicrobial Resistance Dynamics in Foodborne *Campylobacter coli* populations using Markov Random Field Networks. Oral presentation at: American Society of Microbiology, North Carolina Branch Meeting; 2017 Oct 21; Raleigh, NC, USA.

Browne, A., Fevre, E., Kinnaird, M., Muloi, D., **Wang, C.**, Larson, P., O'Brien, T., Deem, S. Serosurvey of *Coxiella burnetii* (Q fever) in dromedary camels (*Camelus dromedaries*) in Laikipia County, Kenya. *Zoonoses and Public Health*. 2017.

Wang, C., Larson, P., Hardin, R., Eisenberg, J. (2013) Risk Factors for Q Fever Transmission Among Women in a Kenyan Herding Community. Poster session presented at: 62nd Annual Meeting of the American Society of Tropical Medicine and Hygiene; 2013 Nov 14-17; Washington D.C., USA.