

JINJI PANG, Ph.D. candidate

✉ pjj0702@iastate.edu

🌐 <http://jinjipang.com/>

🌐 <https://www.linkedin.com/in/jinji-pang-b5b842239/>



Education

- 08/2018 — **Ph.D. candidate, Iowa State University (ISU)** College of Veterinary Medicine, Iowa, USA.
- 08/2020 — **Master student, Iowa State University (ISU)** Department of Statistics, Iowa, USA.
- 08/2013 – 06/2018 **B.S., China Agricultural University (CAU)** College of Veterinary Medicine, Beijing, China.

Research Experience and Presentations

- 2018 – 2022 **Gut microbiota** under the guidance of Dr. Qijing Zhang and Dr. Orhan Sahin, VMPM, ISU.
 - 1. Research presentation at CRWAD 2021:** *The effect of fecal microbiota transplantation on Campylobacter jejuni colonization in young broiler chicks using a seeder-bird infection model*
 - 2. Research presentation at CRWAD 2020:** *Protection against Campylobacter by fecal microbiota transplantation in newly hatched broiler chickens*
 - 3. Research presentation at ASM 2020:** *Evaluation of microbiota-based interventions as a preharvest control strategy for Campylobacter in poultry*
- 2020 – 2022 **Antibiotic resistance** under the guidance of Dr. Qijing Zhang and Dr. Orhan Sahin, VMPM, ISU.
 - 1. Research presentation at ASM 2022:** *Effect of enrofloxacin on cecal microbial diversity and composition of broiler chickens challenged with Campylobacter jejuni*
- 2021 – 2022 **Bootstrap methods development for ROC analysis** under the guidance of Dr. Chong Wang, VDPAM, STAT, ISU.
 - Thesis title:** *Creating and comparing non-parametric bootstrap methods for assessing diagnostic assays for datasets that have an intra-subject correlation.*
- 2015 – 2017 **Poultry histology** under the guidance of Dr. Yaoxing Chen, CVM, CAU.
 - Article:** *The effect of monochromatic green light on melatonin synthesis in chicken embryo.*

Research Publications

Journal Articles

- 1 Adiguzel, M., Goulart, D., Wu, Z., **Pang, Jinji**, Cetin, S., Zhang, Q., & Sahin, O. (2021). Distribution of crisper types in fluoroquinolone-resistant *Campylobacter jejuni* isolates. *Pathogens*, 10.
🔗 [doi:10.3390/pathogens10030345](https://doi.org/10.3390/pathogens10030345)
- 2 Monshat, H., Wu, Z., **Pang, Jinji**, Zhang, Q., & Lu, M. (2020). Integration of plasmonic heating and on-chip temperature sensor for nucleic acid amplification assays. *Journal of Biophotonics*, 13.
🔗 [doi:10.1002/jbio.202000060](https://doi.org/10.1002/jbio.202000060)
- 3 Xia, J., **Pang, Jinji**, Tang, Y., Wu, Z., Dai, L., Singh, K., ... Zhang, Q. (2019). High prevalence of fluoroquinolone-resistant *Campylobacter* in sheep and increased *Campylobacter* counts in the bile and gallbladder of sheep medicated with tetracycline in feed. *Applied and Environmental Microbiology*, 85.
🔗 [doi:10.1128/AEM.00008-19](https://doi.org/10.1128/AEM.00008-19)

- 4 **PANG, Jin-ji**, BAI, X.-j., CHEN, S.-q., JIANG, W.-y., WANG, Z.-x., CAO, J., ... CHEN, Y.-x. (2017). The effect of monochromatic green light on melatonin synthesis in chick embryo. *Chinese Journal of Animal and Veterinary Sciences*.

Conference Presentations

- 1 **Jinji Pang**, Q. Z., Sahin Orhan. (2022). Effect of enrofloxacin on cecal microbial diversity and composition of broiler chickens challenged with *Campylobacter jejuni*. In *American Society for Microbiology (ASM 2022)*, Washington D.C., USA.
- 2 **Jinji Pang**, Q. Z., Sahin Orhan. (2021). The effect of fecal microbiota transplantation on *Campylobacter jejuni* colonization in young broiler chicks using a seeder-bird infection model. In *Conference of Research Workers in Animal Diseases (CRWAD 2021)*, Chicago, USA.
- 3 **Jinji Pang**, Q. Z., Sahin Orhan. (2020a). Evaluation of microbiota-based interventions as a preharvest control strategy for *Campylobacter* in poultry. In *American Society for Microbiology (ASM 2020)*, Chicago, USA.
- 4 **Jinji Pang**, Q. Z., Sahin Orhan. (2020b). Protection against *Campylobacter* by fecal microbiota transplantation in newly hatched broiler chickens. In *Conference of Research Workers in Animal Diseases (CRWAD 2020)*, Chicago, USA.

Leadership

- 2021 – 2022 **Vice president** of CVMAGS (College of Veterinary Medicine Association of Graduate Student), ISU.
1.Organize monthly event
2.Communicate between CVM Research Office and graduate students
- 2020 – 2021 **Secretary** of Martial Arts Club, ISU.
1.Organizing club events
2.Help with club fundraising

Skills

- Languages **Strong reading, writing and speaking competencies for English and Mandarin Chinese.**
- Coding **R, SAS, C, CPP, \LaTeX , ...**
- Software **Qiime2 and microbiota analysis related softwares.**
- Misc. **Academic research, teaching, training, \LaTeX typesetting and publishing.**

Awards and Honors

- 2021 **2nd Place Graduate Student Poster Award.** Awarded by ISU College of Vet Med.
Travel Award for Students Presenting at Conferences . Awarded by ISU CVM Research Office.
Freese Scholarship in Veterinary Microbiology. Awarded by ISU College of Vet Med.
- 2019 **Finalist of 3MT Thesis Competition.** Awarded by ISU Graduate College.
- 2017 **National Scholarship.** Awarded by China's Ministry of Education.
1st Class Scholarship for Outstanding Students. Awarded by CAU.
2017 Dubai Equine Scholarship. Awarded by Darley.
Cultural Activity Scholarship. Awarded by CAU.

Awards and Honors (continued)

- 2016 **Beijing College Students Music Festival, Gold Award.** Awarded by Beijing Municipal Education Commission.
- 2014-2015 **2nd Class Scholarship for Outstanding Students.** Awarded by CAU.
- 2014-2016 **Merit Students.** Awarded by CAU.
- Outstanding Student Leaders.** Awarded by CAU.

Internships

- 06/2017-08/2017 **※ One Health program.** Working as a summer scholar at College of Vet Med, ISU.
- Conducted an animal study to investigate the prevalence of fluoroquinolone-resistant *Campylobacter* in sheep in Dr. Qijing Zhang's lab.
 - Presented the research results on the CVM Research Day.
 - Worked as student group leader for One Health summer scholars from CAU.
- 01/2017-03/2017 **※ Elite Cattlemen Program.** Clonakilty Agricultural University, Ireland.
- Received basic skill training of animal husbandry in Dublin.
 - Studied about the dairy industry in the farm of Clonakilty Agricultural University for three weeks and reported "Milking parlor management" in the headquarter of Alltech company.
- 07/2016-08/2016 **※ Elite Cattlemen Program Summer Intern.** Delaval Inc, China.
- Responsible for translation work of material supplies.
 - Responsible for daily translation between Chinese trainees and foreign After-market Business Manager.