

JINJI PANG, Ph.D. candidate

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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, STAT, ISU.
Thesis title: *Comparing three Nonparametric Bootstrap Methods for Assessing Diagnostic Assays with a Random Effect of the Specimen.*
- 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
- 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
- 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

- 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 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.
- 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.
- 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.

Awards and Honors (continued)

- 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.
- Did research in Dr. Qijing Zhang's lab.
 - Presented the research results on the Research Day of CVM.
 - Organized activities for all the enrolled students and set the timetable for the whole activity.
- 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 head-quarter 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 for the trainees and Aftermarket Business Manager.