

Jiayi Liu

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EDUCATION

- Nanjing Agricultural University (GPA: 3.65/4.0), Bachelor of Science, Animal Science 09/2015-06/2019
- University of Connecticut (GPA: 3.9/4.0), Master of Science, Animal Science 09/2020-08/2022
- IELTS: 6.5 (L: 6.0, S: 6.0, R: 7.5, W: 6.0)

RESEARCH EXPERIENCE

- **Basic experimental skills associated with in vitro bovine embryonic experiments** 09/2021-08/2022
- **Graduation Project:** Study on the Correlation between SNP in Gene ROR1 and Intramuscular fat content in Pigs 09/2018-06/2019
- **Literature Review:** Investigation on the Correlation between MC4R Polymorphism and Intramuscular Fat Content in Pigs 04/2018-03/2019
- **Students Research Training:** The Correlation Analysis on Transcription Repressors PLZF Protein in Spermatogonium and Sohlh2 03/2017-05/2018
- **Various lab classes involved in the major courses:** physiological experiment; biochemical experiment; animal genetic experiment and animal reproduction experiment; etc. 09/2015-04/2019

PUBLICATION

PLZF suppresses differentiation of mouse spermatogonial progenitor cells via binding of differentiation associated genes. Weixiang Song, Xinglong Shi, Qin Xia, Min Yuan, Jiayi Liu, Kang Zou. J Cell Physiol. 2019; 1-10.

INTERNSHIPS

- **Huaian Dingji Town Jielong Pasture**(Dairy farm internship) 05/2018
- **Yangzhou Gaoyou Lihua Co. Ltd**(Chicken farm internship) 05/2018
- **Jiangsu Danyang Kangle Agriculture and Animal Husbandry**(Pig farm internship) 05/2018
- **Jiangpu Farm**(Internship of Animal Environmental Hygiene) 11/2017

SKILLS

- **Basic experimental skills:** Usage of some common equipment; Solution preparation; Experimental record; PCR, Preparation and usage of agarose gel; etc.
- **In vitro production of sheep/goat embryos:** Collection of ovaries and cumulus oocyte complex (COCs); Hoechst staining; Preparation of in vitro maturation media; etc.
- **Cell proliferation/culture:** Extraction of goat embryonic fibroblast; Enzymatic digestion; Cell passage; etc.

HONORS & AWARDS

- NAU Merit Student-First Class 11/2018
- New Rural Enterprise Scholarship 11/2018
- National Innovation Award in Student Research Training 05/2018
- Second Prize in Sudoku Competition 10/2017
- Excellent Student Leader 06/2016