Stanford

Xiyu Ge

Postdoctoral Scholar, Endocrinology, Gerontology, and Metabolism

NIH Biosketch available Online Curriculum Vitae available Online

Bio

BIO

Dr. Xiyu Ge is a postdoctoral fellow working with Dr. Joy Y. Wu at Stanford University School of Medicine, Division of Endocrinology, Gerontology and Metabolism. Dr. Ge obtained her Ph.D. degree from University of Illinois Urbana-Champaign, mentored by Dr. Lori T. Raetzman. At Stanford, Dr. Ge's research interests focus on single cell profiling and multi-omics analysis of bone marrow microenvironment under regulation of parathyroid hormone receptor signaling.

HONORS AND AWARDS

- Best Thesis Award, University of Illinois Urbana-Champaign (2023)
- MCB Outstanding TA Award, University of Illinois Urbana-Champaign (2022)
- Early Career Forum Award, Endocrine Society (2021)
- First Place- Oral Presentation, Illinois Symposium on Reproductive Sciences (2021)
- Graduate Student Travel Award, University of Illinois Urbana-Champaign (2021)
- Early Career Investigator in Precision Medicine Scholarship, Mayo Clinic (2018)
- Ullyot Fellowship, University of Illinois Urbana-Champaign (2017)
- National Collage English Speaking Competition, 3rd prize, Shanghai Division, “21st Century Cup” National English Speaking Competition (2015)
- East China Normal University Scholarship, East China Normal University (2014-2016)

PROFESSIONAL EDUCATION

- Doctor of Philosophy, University of Illinois at Urbana Champaign (2022)
- Bachelor of Science, East China Normal University (2017)
- Master of Science, University of Illinois at Urbana Champaign (2019)
- Posdoc, Stanford University , Single-Cell Sequencing, Bone Marrow Microenvironment, Parathyroid Hormone Signaling (2023)
- PhD, University of Illinois Urbana-Champaign , Molecular and Integrative Physiology (2022)
- BS, East China Normal University , Biotechnology (2017)

STANFORD ADVISORS

- Joy Wu, Postdoctoral Faculty Sponsor

LINKS

- LinkedIn: https://www.linkedin.com/in/xiyuge/

Publications

PUBLICATIONS

- **Glycoprotein hormone subunit alpha 2 (GPHA2): A pituitary stem cell-expressed gene associated with NOTCH2 signaling.** *Molecular and cellular endocrinology*
  Ge, X., Weis, K., Raetzman, L.
  2024: 112163

- **Prenatal exposure to the phthalate DEHP impacts reproduction-related gene expression in the pituitary.** *Reproductive toxicology (Elmsford, N.Y.)*
  Ge, X., Weis, K., Flaws, J., Raetzman, L.
  2022; 108: 18-27

- **Characterization of Somatotrope Cell Expansion in Response to GHRH in the Neonatal Mouse Pituitary.** *Endocrinology*
  Gonigam, R. L., Weis, K. E., Ge, X., Yao, B., Zhang, Q., Raetzman, L. T.
  2023

- **Improving adenine and dual base editors through introduction of TadA-8e and Rad51DBD.** *Nature communications*
  Xue, N., Liu, X., Zhang, D., Wu, Y., Zhong, Y., Wang, J., Fan, W., Jiang, H., Zhu, B., Ge, X., Gonzalez, R. V., Chen, L., Zhang, et al
  2023; 14 (1): 1224

- **Phenotypic differences based on lateralization of intrahippocampal kainic acid injection in female mice.** *Experimental neurology*
  Cutia, C. A., Leverton, L. K., Ge, X., Youssef, R., Raetzman, L. T., Christian-Hinman, C. A.
  2022; 355: 114118

- **VarSAn: associating pathways with a set of genomic variants using network analysis.** *Nucleic acids research*
  Xie, X., Kendzior, M. C., Ge, X., Mainzer, L. S., Sinha, S.
  2021; 49 (15): 8471-8487