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Positions & Education

Year	Position / Degree
2022–present	Postdoc, Institute for Genomic Diversity, Cornell University
2017-2021	Ph.D., Vienna Graduate School of Population Genetics, Univ. of
	Veterinary Medicine Vienna Advisor: Christian Schlötterer
2014 – 2015	M.Sc., Department of Agronomy, National Taiwan University
	Advisor: Chih-Wei Tung
2010 – 2014	B.Sc., Department of Agronomy, National Taiwan University

Publications

 Hsu, S., Emmett, B.D., Haafke, A., Costa-Neto, G., Schulz, A.J., Lepak, N., La, T., AuBuchon-Elder, T.M., Hale, C.O., Raglin, S.S., Ojeda-Rivera, J.O., Kent, A.D., Kellogg, E.A., Romay, M.C., & Buckler, E.S. (2025). Contrasting rhizosphere nitrogen dynamics in Andropogoneae grasses. The Plant Journal, 123(1). https://doi.org/10.1111/tpj.70319

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- 3. Lai, W., **Hsu, S.**, Futschik, A., & Schlötterer, C. (2025). Pleiotropy increases parallel selection signatures during adaptation from standing genetic variation. eLife, 13. https://doi.org/10.7554/eLife.102321.3
- Hsu, S., Lai, W., Novak, J., Lehner, F., Jakšić, A.M., Versace, E., & Schlötterer, C. (2024). Reproductive isolation arises during laboratory adaptation to a novel hot environment. Genome Biology, 25(1). https://doi.org/10.1186/s13059-024-03285-9
- Buchner, S., Hsu, S., Nolte, V., Otte, K.A., & Schlötterer, C. (2023). Effects of larval crowding on the transcriptome of Drosophila simulans. Evolutionary Applications, 16(10), 1671-1679. https://doi.org/10.1111/eva.13592

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- 8. **Hsu, S.**, Jakšić, A.M., Nolte, V., Lirakis, M., Kofler, R., Barghi, N., Versace, E., & Schlötterer, C. (2020). *Rapid sex-specific adaptation to high temperature in Drosophila. eLife*, 9. https://doi.org/10.7554/eLife.53237
- Hsu, S., Jakšić, A.M., Nolte, V., Barghi, N., Mallard, F., Otte, K.A.,
 & Schlötterer, C. (2019). A 24 h Age Difference Causes Twice as Much
 Gene Expression Divergence as 100 Generations of Adaptation to a Novel
 Environment. Genes, 10(2), 89. https://doi.org/10.3390/genes10020089
- Lin, P., Tsai, Y., Hsu, S., Ou, J., Liao, C., & Tung, C. (2018). Identification of natural variants affecting chlorophyll content dynamics during rice seedling development. Plant Breeding, 137(3), 355-363. https://doi.org/10.1111/pbr.12584
- 11. **Hsu, S.**, & Tung, C. (2017). RNA-Seq Analysis of Diverse Rice Genotypes to Identify the Genes Controlling Coleoptile Growth during Submerged Germination. Frontiers in Plant Science, 8. https://doi.org/10.3389/fpls.2017.00762
- 12. **Hsu, S.**, & Tung, C. (2015). Genetic Mapping of Anaerobic Germination-Associated QTLs Controlling Coleoptile Elongation in Rice. Rice, 8(1). https://doi.org/10.1186/s12284-015-0072-3

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