

SUNNI J. TAYLOR

Curriculum Vitae

EDUCATION

- 2012 PhD Aquatic Resources, Department of Biology, Texas State University
Homoploid hybrid speciation in Louisiana Iris
- 2008 MS Biology, Department of Biology, Texas State University-San Marcos
The genetic architecture of reproductive isolation in Louisiana Iris
- 2006 BS Biology with chemistry minor, Department of Biology, Tarleton State University

TEACHING EXPERIENCE

- 2021-present Extension Educator, Texas State University
- 2021 Adjunct Faculty, St. Edward's University
- 2017-2020 Senior Lecturer, General Science, Texas State University
- 2016-2017 Per-Course Instructor, General Science, Texas State University
- 2014-2017 Teacher, PLC lead, 8th grade science, San Marcos CISD
- 2010-2012 Fellow and Middle School Resident Scientist, NSF GK-12 Project Flowing Waters
- 2008-2010 Doctoral Instructional Assistant (Genetics), Texas State University-San Marcos
- 2006-2008 Graduate Instructional Assistant (General Biology, Genetics), Texas State University
- 2005 Teaching Assistant (Physical Science), Tarleton State University
- 2004-2006 Supplemental Instructor (Microbiology, General Biology), Tarleton State University

COURSES TAUGHT

- 2021-present Modern Biology (Freshman Biology for Non-Majors)
- 2021 General Biology (Freshman Biology for Majors – lecture and lab)
- 2018-present General Science 3320
- 2016-present General Science 3310

TRAININGS AND CERTIFICATIONS

- 2020 Teaching Online at Texas State
- 2016 CITI Program Human Research: Social and Behavioral Research
- 2012 Web-Centric Alternative Teacher Certification Program
TEA Certified 4-8 Science, 8-12 Life Science, 8-12 Science
- 2010 PlantingScience Brassica Genetics workshop, University of Wisconsin
- 2008 QTL Mapping and Advanced QTL Mapping

TEACHING HONORS AND AFFILIATIONS

- 2021-present Member, National Association of Biology Teachers
- 2021-present Member, SouthWest Region Association of Science Teacher Education
- 2021-present Member, Association of Science Teacher Education
- 2019, 2021 "Favorite Professors" Award, Alpha Chi National College Honor Society, Texas State University
- 2017-present Fellow, Texas State University Service-Learning Excellence Program

SERVICE

2021	President-elect and local organizing committee, 2022 SW-ASTE
2020	Reviewer, W.W. Norton
2019	Reviewer for BMC Evolutionary Biology
2019	Reviewer for Botany
2018-present	Texas State University Women in Science and Engineering Committee
2018	Texas State University Service Learning Advisory Board
2017-present	Volunteer San Marcos CISD (science clubs and science fair)
2010	Reviewer for Journal of Ecology
2010	Reviewer for Heredity
2009	Reviewer for Molecular Ecology
2009-2012	Mentor, PlantingScience

FUNDED TEACHING GRANTS

2017-2019, 2021	Texas State University Service-Learning Initiative Mini-Grant Mini-grants to fund supplies for my General Science students to facilitate science activities for local children at the elementary school (spring semesters) and public library (summer semesters).
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PUBLICATIONS

- Shaw, J. P., **S.J. Taylor**, M.C. Dobson, and N.H. Martin. 2017. Pollinator isolation in Louisiana *Iris*: legitimacy and pollen transfer. *Evolutionary Ecology Research* 18: 429–441.
- Arnold, M.L., A.N. Brothers, J.A.P. Hamlin, **S.J. Taylor**, N.H. Martin. 2015. Divergence-with-Gene-Flow-What Humans and Other Mammals Got up to. *Reticulate Evolution*.
- Martin, N.H. and **S.J. Taylor**. 2013. Floral preference, flower constancy, and pollen transfer efficiency of the ruby-throated hummingbird (*Archilochus colubris*) in mixed arrays of *Iris nelsonii* and *Iris fulva*. *Evolutionary Ecology Research* 15: 783-792.
- Taylor, S.J.**, L.D. Rojas, S.W. Ho, N.H. Martin. 2013. Genomic collinearity and the genetic architecture of floral differences between the homoploid hybrid species *Iris nelsonii* and one of its progenitors, *Iris hexagona*. *Heredity* 110: 63-70.
- Ballerini, E.S., A.N. Brothers, S. Tang, S.J. Knapp, A. Bouck, **S.J. Taylor**, M.L. Arnold, N.H. Martin. 2012. QTL mapping reveals the genetic architecture of loci affecting pre- and post-zygotic isolating barriers in Louisiana *Iris*. *BMC Plant Biology* 12: 91.
- Taylor, S.J.**, K.J. AuBuchon, N.H. Martin. 2012. Identification of Floral Visitors of *Iris nelsonii*. *Southeastern Naturalist* 11: 141-144.
- Dobson, M.C., **S.J. Taylor**, N.H. Martin. 2011. Patterns of herbivory and fungal infection in experimental Louisiana *Iris* hybrids. *Evol. Ecol. Res.* 13: 543-552.
- Taylor, S.J.**, R.W. Willard, J.P. Shaw, M.C. Dobson, N.H. Martin. 2011. Differential response of the homoploid hybrid species *Iris nelsonii* (Iridaceae) and its progenitors to abiotic habitat conditions. *American Journal of Botany* 98: 1309-1316.
- Taylor, S.J.**, M.L. Arnold, and N.H. Martin. 2009. Genetic architecture of postzygotic isolation in Louisiana *Iris*: hybrid fitness in nature. *Evolution* 63: 2581-2594.