

MARY F. POTEET

Assistant Professor of Practice
Provost Teaching Fellow
The University of Texas at Austin
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Education

University of California, Berkeley, CA. Department of Integrative Biology.

Ph.D. 2001

North Carolina State University, Raleigh, N.C. Biological Sciences. B.S. 1991

North Carolina State University, Raleigh, N.C. Civil Engineering. B.S. 1989

Professional

Assistant Professor of Practice: Texas Institute for Discovery Education in Science and Department of Geological Sciences, 2019 – present.

Lecturer: Department of Geological Sciences, Jackson School of Geosciences, The University of Texas at Austin, 2009 - 2019.

Lecturer: Texas Institute for Discovery Education in Science, College of Natural Sciences, The University of Texas at Austin, 2013-present.

Lecturer: College of Natural Sciences, The University of Texas at Austin, 2004-2013.

Research Fellow: Department of Integrative Biology, University of Texas at Austin, 2002-present

Program Coordinator: Environmental Sciences Institute, The University of Texas at Austin, 2002-2003

Independent Contractor: Publishers Resource Group, Inc., Austin, TX. 1997-1998.

Teaching:

GEO 171C :Jackson Scholars seminar

BIO 206L/NSC 109: Urban Ecosystems Research Stream – Team Energy!

GEO 302G Earth Science: Sustainability and Society (approved NT1 Common Core course)

UGS 303 Signature Course: Grand Challenges in Geosciences

UGS 302 Signature Course: Inquiry: Complex Earth Systems

GEO 302M: Age of Mammals

UGS 303 Signature Course: Scientific Inquiry Across the Disciplines

EVS 331: Research Methods for Environmental Sciences

UGS 303 Signature Course: Freshman Research Initiative – Research Methods

BIO 337: Ecological Research on the Great Barrier Reef

FS / CXS / UGS 118 Scientific Inquiry and Research Methods

BIO 213 Diversity and Ecology on the Great Barrier Reef
BIO 237 Research Methods in Ecology on the Great Barrier Reef
BIO 177 / 277 / 377 / 377W Undergraduate independent research

Teaching:

Professional Development

Provost Teaching Fellow monthly meetings (2017-2020)

2017 Earth Educators Rendezvous. Part of the InTeGrate and Cutting Edge Programs for Improved Undergraduate Education. Albuquerque, NM.

2017 UGS Ethics & Leadership Flag Faculty Development Event: Ethics Unwrapped and Teaching Ethics

2016 UGS Workshop “Teaching Stem Students to Write about Data”

2016 CNS Teaching Discovery Day: The University of Texas, Austin. September 2016.

2016 Heads/Chairs on the Future of Undergraduate Geoscience Education Summit. Jackson School of Geosciences, University of Texas, Austin. January 2016.

Academic Integrity and the Millennial Generation: Participant to develop tools to enhance student academic integrity. January 2015.

UT Faculty Teaching Colloquium: Participant to enhance teaching outcomes and strategies. January 2015.

Discovery Lunch Series: Participant

UT College of Natural Sciences Teaching Strategies Workshop, participant, 2005. From this workshop, I collaborated with DIIA (now CTL) and Drs. R. Buskirk, J. Bryant, D. Silverthorn and D. Johnson on developing a teaching survey to evaluate perception and assessment of quantitative skills in biology undergraduates. (2005 – 2010)

Course Development

UGS 303: Climate Change – Skepticism and Action

GEO 171C : Jackson Scholars seminar

BIO 206L/NSC 109: Urban Ecosystems Research Stream – Team Energy!

GEO 302G: Earth Science: Sustainability and Society Course developed for large-enrollment, NT1 core curriculum employing active learning to explore real-world data, uncertainty, models, and maps in geosciences.

UGS 303 Signature Course: Grand Challenges in Geosciences

UGS 302 Signature Course (with writing component): Inquiry: Complex Earth Systems.

UGS 303 Signature Course (with writing component): Scientific Inquiry Across the Disciplines: Developed a hands-on science research course for freshmen across all disciplines to develop critical thinking, scientific literacy and scientific research skills.

FastTex 2010-2011 grant awarded to Poteet: Web-based Interactive Tools to Enhance Research Methods in the Freshman Research Initiative. I received a grant from FastTex to develop a web-based interactive tool for the FRI Research Methods classes that served 500 students each fall. The web tool was migrated to CNS last fall and still being used by all of the UGS SIAD courses.

EVS 331 Research Methods for Environmental Science: Developed inquiry- based, sophomore-level research methods course for the Environmental Sciences degree.

NSC 301C/UGS303 Freshman Research Initiative Research Methods: Developed an inquiry-based Research Methods course for FRI to teach freshmen critical thinking and scientific research skills.

FS / CXS / UGS 118 Scientific Inquiry and Research Methods: Developed course for spring 2006 & 2007 to introduce freshmen to scientific research.

BIO 337 Maymester in Australia: Proposed, developed and taught courses in coral reef ecology and field methods in ecology on Lizard Island, Australia. Taught in spring 2005, 2006, 2007, 2012

International Studies pre-departure seminar. Over 15 contact hours with students to orient them to living and studying on Lizard Island, conducted lectures on coral reef ecology and 2 field trips to Barton Springs to teach snorkeling skills.

Awards

- 2019 – University of Texas at Austin – Bridging Disciplines Program Faculty Mentor Award (1 faculty member chosen per year)
- 2019 – University of Texas at Austin – Recognized by Services for Students with Disabilities for creating an inclusive classroom
- 2017- 2021 Provost Teaching Fellow

Grants

- 2020 – Clare Booth Luce Program for Women in STEM – Collaborative grant at UT Austin across CNS, Cockrell School of Engineering, JSG, and UGS.
- 2020 – NSF S-STEM: Geoscience Research Collaborations for Student Success (\$2,591,761). *Submitted* Poteet (PI), Bell & Papendiek (co-PI), and Gamage (co-PI/ACC).
- 2018 – Waterloo Conservancy grant – Metabolic regimes as a measure of ecosystem function in Waller Creek
- 2018-2019 Waller Creek Working Group: Toward a Sustainable Urban Creek Ecosystem. (\$22,200) UT Green Fund: Poteet (PI), Hendrickson (co-PI), Cohen (co-PI) and Reichler (co-PI)
- 2017-2018 Waller Creek Working Group: Toward a Sustainable Urban Creek Ecosystem. (\$26,000) Poteet (PI), Hendrickson (co-PI), Cohen (co-PI) and

Reichler (co-PI)

- 2015-2017 Assessing and archiving spatio-temporal variation in biodiversity along Waller Creek (\$46,150). UT Green Fee. co-PI with Dr. Dean Hendrickson (UT Austin) and Mr. Adam Cohen (UT Austin).
- 2009-2014 Response of karst ecosystems to global change. USGS Central Regional Integrated Science Program (\$560,000). co-PI with Dr. Barbara Mahler, USGS; Dr. Andrew Long, USGS; Dr. Amy Symstad, USGS; Dr. MaryLynn Musgrove, USGS; Dr. John Stamm, USGS.
- 2008 – 2009 Estimating Population Dynamics and Life History of *Eurycea sosorum* in the Barton Springs Complex Using Mark-Recapture Methods. Austin Community Foundation (\$27,477). PI with Dr. Martin Schlaepfer, SUNY-Syracuse and Dr. Andy Gluesenkamp, TPWD.
- 2006 – 2007 Does the enemy release hypothesis help explain the success of *Bothriochloa ischaemum* invasions in native Texas grasslands? ESI Funding Opportunity for Local Research (\$8,654).
- 2005 - 2006 Physiological and behavioral responses of *Eurycea sosorum* to variation in levels of dissolved oxygen and conductivity. Barton Springs Edwards Aquifer Conservation District (\$120,800). co-PI with Dr. Art Woods, University of Montana.
- 1997 - 1999 NSF Doctoral Dissertation Improvement Grant

Grants, Fellowships, and Awards to Students

- 2019 TIDES summer fellowships to Ashlee Hernandez and Rebekah Garza
- 2019 summer – BDP connecting experience grant award to Sriram Palepu
- 2017 – BDP Connecting Experience grant award to Sriram Palepu for his work on chromate pollution in the Godivari River, India.
- 2015 – TIDES travel award to Enrique Vargas
- 2014-2015 – UT Austin EVS Capstone Research Award to Sarah Kim
- 2014 – UT Austin EVS Capstone Research Award to Kevin Bone
- 2013 – UT Austin EVS Capstone Research Award to Elly Lai
- 2007 – UT Austin Co-op URF for Marcie Alexander
- 2007 – UT Austin Co-op URF for Allison Bullock
- 2006-2007 – UT Austin Co-op URF to Jacquelyn Sugianto
- 2006-2007 – Endowed President Scholarship to Jacquelyn Sugianto
- 2006 – University Co-op Award for Excellence in Biological Sciences Research to Jacquelyn Sugianto
- 2005-2006 – UT Austin, College of Liberal Arts, Junior Fellow to Nana Ama Quartey
- 2005-2006 – UT Austin, Co-op URF to Jacquelyn Sugianto
- 2005 – UT Austin, Co-op URF to Marie Medina
- 2004-2005 – UT Austin, Co-op URF to Nana Ama Quartey
- 2003-2004 – UT Austin, Co-op URF to Nancy Hernandez

Outreach

St Francis School, Austin, TX – science education outreach: Soil Study!

Explore UT! Waller Creek exhibit on the “Stallion” monitors in the Texas Advanced Computing Center (TACC) – Spring 2019
Magellan International School, Austin, TX – Science education outreach: Let’s Nest! Interactive program delivered to 66 kindergartners to learn why, how, when, and who makes nests. (spring 2015)
Magellan International School, Austin, TX – Science education outreach: Bugs in our Soil! Interactive program delivered to kindergarten-4th grade students to learn about diversity and function of decomposers. (fall 2014)
Helping Hands Home for Children, Austin, TX – Science education outreach: Inquiring Science (2014)

Service

UT Austin

Experiential Learning Task Force, University of Texas at Austin, Covid-19 response team.
Elected Faculty Council representative for the Department of Geological Sciences
Co-Director, Jackson Scholars Program, Jackson School of Geosciences (spring 2018 – present)
Organized and co-ran field camp in South Dakota and Wyoming for the Jackson Scholars program
College of Natural Sciences Non-Tenure Track Faculty Committee (member) (2017 – 2020)
College of Natural Sciences Undergraduate Research Forum, judge of student poster contest (2010 – present)
Provost’s Teaching Fellows “Eyes on Teaching” docent (2017, 2018, 2019)
Provost’s Teaching Fellow, Home Fellow for Department of Geological Sciences (2017 – present)
Fall Undergraduate Research Symposium Oral Presentation Judge (2017)
Bridging Disciplines Program Environment and Sustainability Program committee (2013 – present)
Bridging Disciplines Program reviewer for graduating senior Integration Essays (2013 – present)
OnRamps GEO 302E. Earth, Wind, Fire. Faculty coordinator for the OnRamps high school course at the UT Department of Geological Sciences.
EVS Coordinating Committee member – UT Austin
WINS Honors Residential Program welcome reception. 2004-2008.
Mentor, Women in Science Developing Opportunities for Mentoring (WISDOM), UT Austin

External

Waterloo Conservancy (Waller Creek Conservancy), member, Environmental Committee to set environmental strategic plan for the Waller Creek tunnel project.
Texas Academy of Science, Chair, Environmental Science Section (2015-2018)

Texas Academy of Science, judge: best oral student presentation.
External Reviewer: Journal of Experimental Biology, American Midland Naturalist, Conservation Biology, Lindbergh Foundation Grants
Infectious diseases and invasive species committee chair, National Ecological Observation Network (NEON), Region 11. (2005)
Biological Advisory Team for the Barton Springs Salamander Habitat Conservation Plan being developed by the Barton Springs Edwards Aquifer Conservation District.
Scientific Advisory Committee for the Barton Springs Pool and salamander with the City of Austin. 2007 – 2009
Barton Springs Scientific Advisory Committee, Austin, TX (2003 – 2010)
ESA annual conference: judge for student Buell/Braun awards

Invited Workshops

“Developing a World-Class Paleontological Resource from the Pleistocene Tar Seeps (Menes) of Venezuela. The University of Texas at Austin Jackson School of Geosciences, February 6-7, 2006

Organized Symposia

3rd Annual Waller Creek Symposium, The University of Texas at Austin, 2019. Co-organized the symposium with Stuart Reichler. Included posters and presentations with over 100 attendees including faculty and staff from UT Austin, City of Austin, Waller Creek Conservancy, The Nature Conservancy, and other non-profits.
2nd Annual Waller Creek Symposium, The University of Texas at Austin, 2018. Co-organized the symposium with Stuart Reichler. Included posters and presentations with over 100 attendees including faculty and staff from UT Austin, City of Austin, Waller Creek Conservancy, The Nature Conservancy, and other non-profits.
Waller Creek Symposium, The University of Texas at Austin, 2017. Co-organized with Stuart Reichler and Tim Riedel

Invited Lectures and Symposia

2019 – FRI and Waller Creek. 8th Annual Sustainability Symposium, University of Texas at Austin.
2019 – Provost Teaching Fellow Pecha Kucha presentation on PTF project -- GeoRCSS
2010 – 2018. Invited guest lecturer, Environment BDP seminar.
2014-2018. Invited to discuss career as a scientist in several FIG classes.
2013. Career Design Center, invited panelist for NSC 109, “Your Future As a Scientist”
2007. Barton Springs / Edwards Aquifer final presentation on physiology and behavior research on *Eurycea sosorum*. 12 February, 2007.
2005. Presentation on scope of work for *Eurycea sosorum* project. Habitat Conservation Plan Biological Advisory Team. Barton Springs / Edwards Aquifer

- Conservation District. 7 September, 2005.
- 2005, 2006. Presentation on research and international study abroad to FIG seminar for WINS led by Dawn Jones-Garcia.
2004. Seminar Series in Biology, Southwestern University, Georgetown, Tx. Title: "Environmental disturbances shift the roles of abiotic and biotic regulation over parasitism in stream communities".
2004. Population Biology Seminars, Section of Integrative Biology, University of Texas at Austin. Title: "Patterns and processes in parasite populations: testing for responses to anthropogenic disturbance".
2004. Women in Science invited speaker
2004. Women in Natural Sciences Honors Residential Student's "Dinner with Faculty" invited guest
2004. Invited speaker: University of Texas, Conservation Biology (Dr. C. Parmesan)
2004. University of Texas, Dean's Scholar's seminar (Dr. C. Bell)
2003. University of Texas, Dean's Scholar's seminar (Dr. C. Bell)

Professional Memberships

Society for Freshwater Science, National Association of Geoscience Teachers, Ecological Society of America, Society for Conservation Biology, North American Box Turtle Conservation, Texas Academy of Sciences

Publications

- Stamm, J.F., Poteet, M.F., Symstad, A.J., Musgrove, MaryLynn, Long, A.J., Mahler, B.J., and Norton, P.A., 2015, Historical and projected climate (1901–2050) and hydrologic response of karst aquifers, and species vulnerability in south-central Texas and western South Dakota: U.S. Geological Survey Scientific Investigations Report 2014–5089, 59 p., plus supplements. ([Link](#))
- Mahler, B.J., J.F. Stamm, A.J. Symstad, M.F. Poteet, M. Musgrove, A.J. Long and P.A. Norton. 2014. Effects of Projected Climate (2011–50) on Karst Hydrology and Species Vulnerability—Edwards Aquifer, South-Central Texas, and Madison Aquifer, Western South Dakota. USGS Fact Sheet 2014-3046. 3pp. ([Link](#))
- Jass, C.N., M.F. Poteet, and C.J. Bell. 2014. Response of pocket gophers (*Geomys*) to late Quaternary environmental change on the Edwards Plateau of central Texas. *Historical Biology* 26: DOI 10.1080/08912963.2013.876536
- Woods, H.A., M.F. Poteet and P.D. Hitchings, R.A. Brain, B.W. Brooks. 2010. Conservation physiology of the plethodontid salamanders, *Eurycea nana* and *E. sosorum*: response to declining dissolved oxygen. *Copeia*, 2010(4):540-553.
- Poteet, M.F., A. Gluesenkamp, M.A. Schlaepfer. 2009. Estimating population dynamics and life history of *Eurycea sosorum* in Eliza spring using mark-recapture methods. Phase I: effects of VIE marking on *Eurycea nana* and *Eurycea sosorum* (lab study). Phase I Final Report to City of Austin. 31pp.
- Poteet, M.F., and H.A. Woods. 2007. Physiological, survival, and growth responses of *Eurycea nana* to variation in levels of conductivity and dissolved oxygen; including physiological responses of *Eurycea sosorum* to

- conductivity and dissolved oxygen. Technical Report No. 3. Barton Springs / Edwards Aquifer Conservation District. 27pp.
- Woods, H.A., and M.F. Poteet. 2006. Physiological and behavioral responses of *Eurycea sosorum* to variation in levels of conductivity. Technical Report No. 2. Barton Springs / Edwards Aquifer Conservation District. 65pp.
- Woods, H.A., and M.F. Poteet. 2006. Physiological and behavioral responses of *Eurycea sosorum* to variation in levels of dissolved oxygen and conductivity. Technical Report No. 1. Barton Springs / Edwards Aquifer Conservation District. 22pp.
- Poteet, M.F. 2006. Shifting Roles of Abiotic and Biotic Regulation of a Multi-host Parasite Following Disturbance. Pages 137-154 in S.K. Collinge and C. Ray (eds). *Disease Ecology: Community Structure and Pathogen Dynamics*. Oxford University Press, New York, NY. 264pp.
- Poteet, M.F. 2001. Effects of disturbance on host-parasite interactions: A case study involving the Pacific Giant salamander. Ph.D. Thesis. University of California at Berkeley. 209pp.
- Poteet, M.F. and C.J. Bell. 1999. *Thamnophis sirtalis concinnus* (Red-spotted Garter Snake). diet. *Herpetological Review*, 30(3):170-171.
- Poteet, M.F. 1999. Coevolution in the Fossil Record. In R. Singer (ed.). *Encyclopedia of Paleontology*. Fitzroy Dearborn Publishers, Chicago, IL. 1435pp.
- Dudley, T., J. Reynolds and M Poteet (eds.). 1997. The science and policy of environmental impacts and recovery. Environmental Sciences Annual Report, U.C Berkeley.
- Waggoner, B.M. and M.F. Poteet. 1996. An unusual oak leaf gall from the Middle Miocene of Northwestern Nevada. *Journal of Paleontology*, 70(6):1080-1084.
- Walters, K. and M. Poteet. 1992. Predation by dipteran larvae on meiobenthic fauna from intertidal marshes. Pages 51-52 in The University of Georgia Marine Institute Annual Report, 1991-1992.

Papers Presented at Meetings

- Shear, R., S. Reichler, M. Poteet. 2019. Urban ecosystems as living labs. 3rd Annual Waller Creek Symposium, UT Austin, May 2019. Oral Presentation
- Azadi, W., R. Anand, M. Khwaja, M. Nelluri, Y. Rastgar, M. Poteet. 2019. Urban Ecosystems: Stream metabolism. 3rd Annual Waller Creek Symposium, UT Austin, May 2019. Poster
- Doyle, L., L. Mirza, M. Nguyen, C. Yang, and M. Poteet. 2019. Pointing out non-point sources. 3rd Annual Waller Creek Symposium, UT Austin, May 2019. Poster
- Briella, V., A. Fang, P. Keerthipati, S. Waghwal, N. Vu, R. Holda, V. Ngo, J. Johnsamson, M. Poteet. 2019. Urban Ecosystems: Dissolved organic matter. 3rd Annual Waller Creek Symposium, UT Austin, May 2019. Poster
- Team Energy! Urban Ecosystems. 2019. Sleuthing energy matters in urban creeks. CNS Undergraduate Research Forum, The University of Texas at Austin, April

2019. Poster
- Boardman-Larson, E., D. Fisher-Garibay, L. Wirtanen, and M. Poteet. 2018. Waller Creek: portrait of an urban stream. 2nd Annual Waller Creek Symposium, UT Austin, May 2018.
- Hernandez, C., E. Araujo, E. Boardman-Larson, L. Wirtanen, V. Cantu, J. Dean, D. Fisher-Garibay, 2018. Intensive conductivity surveys may help identify non-point source pollution in Waller Creek. 2nd Annual Waller Creek Symposium, UT Austin, May 2018.
- Dean, J., V. Cantu, E. Boardman-Larson, L. Wirtanen, D. Fisher-Garibay, E. Araujo, C. Hernandez, S. Reichler, and M. Poteet. 2018. Creek Sleuthing: what's in the water? A survey of Waller Creek storm drains. 2nd Annual Waller Creek Symposium, UT Austin, May 2018.
- Brennan, J, H. Bai, A. Cohen, D. Hendrickson and M. Poteet. 2017. Cataloging the biodiversity of Waller Creek with a publicly accessible repository. 120th annual meeting of the Texas Academy of Science, Belton, Tx.
- Poteet, M.F., A. Cohen, J. Brennan, H. Bai, D. Hendrickson. 2017. Waller Creek working group and archive. Waller Creek Symposium, The University of Texas at Austin, Austin, TX. January 2017.
- Vargas, E., T.J. LaDuc, and M. Poteet. 2015. Possible correlation between cardiac malformations within Plains Leopard Frogs (*Rana blairi*) in the Texas Panhandle and concentrations of environmental pollutants. 118th Annual Meeting of the Texas Academy of Science. San Antonio, TX.
- Poteet, M.F. and H.A. Woods. 2007. Survivorship and physiological response of *Eurycea sosorum* and *Eurycea nana* to altered levels of dissolved oxygen and conductivity in the Edwards Aquifer. Texas Herpetological Society Symposium. Austin, TX.
- Sugianto, J., M.F. Poteet and T.S. Basham. 2007. Discovering whether the enemy release hypothesis explains the success of *Bothriochloa ischaemum* invasions. 2007 Undergraduate Research Forum, College of Natural Sciences, The University of Texas at Austin.
- Sugianto, J. and M. Poteet. 2006. Differential production of dead organic matter by grasshoppers. 2006 Undergraduate Research Forum, College of Natural Sciences, The University of Texas at Austin.
- Quartey, N. and M.F. Poteet. 2005. The effect of fire season on inorganic nitrogen in savannas. 2005 Undergraduate Research Forum, College of Natural Sciences, The University of Texas at Austin.
- Poteet, M.F., N. Hernandez, and M.E. Litvak. 2004. Grasshoppers, Grasses, Nutrients & Fire: Can timing of disturbance alter herbivore-ecosystem feedbacks? 89th Annual Meeting of the Ecological Society of America, Portland, OR.
- Boggs, J.E. and M. F. Poteet. 2004. Enhancing freshman opportunities at mega-universities through international opportunities. 227th American Chemical Society National Meeting, Anaheim, CA.
- Poteet, M.F. and M.E. Litvak. 2003. Assessing ecosystem-level effects of fire restoration on savanna grasslands: potential feedbacks among

- grasshoppers, plant species and nitrogen cycling. Society for Ecological Restoration 2003 Conference, Austin, TX.
- Poteet, M.F. 2003. Sensitivity of parasite transmission to changes in host density following disturbance. 88th Annual meeting of the Ecological Society of America, Savannah, GA.
- Poteet, M.F. 2001. Human impacts change parasite dynamics through host reservoirs and the role of abiotic factors. 86th Annual meeting of the Ecological Society of America, Madison, WI.
- Poteet, M.F. 2000. From people to pathogens: Are parasites responding to anthropogenic disturbance? 85th Annual meeting of the Ecological Society of America. Snowbird, UT.
- Poteet, M.F. 1997. Bottlenecks to parasite transmission: Exploring effects of disturbance in stream communities. 82nd Annual meeting of the Ecological Society of America. Albuquerque, NM.
- Poteet, M.F. 1996. Controls on parasite load in host species from mountain streams in logged and unlogged basins. 81st Annual meeting of the Ecological Society of America. Providence, RI.
- Poteet, M.F. 1995. Linking host-parasite species interactions: A case study involving the Pacific giant salamander. The Wildlife Society 1995 Annual Conference. Portland, OR.

Advising

- Summer 2019. Waller Creek research on Green Fund support : Briella Vest, William Azadi, Caesar Gutierrez, Elliani Rodriguez, Nathan Vu, Shyamal Waghwalla, Charles Yang, Ryen Holda, Mariam Kwhaja
- Spring 2019. BDP Research Internship, Briella Vest
- 2018-2019. University Leadership Network students: Viviana Cantu, Caesar Gutierrez, Elliani Rodriguez, Khan Pham, Jorge Estrada
- 2017-2018. University Leadership Network students: Viviana Cantu, Everardo Araujo, Crystal Hernandez, Celeste Richards
- 2017-2018. Undergraduate Research Assistants – Emma Boardman Larson (UT Austin, Fine Arts), Janelle Dean (UT Austin, CNS), Laura Wirtanen (ACC)
- 2017-2018. Sriram Palepu, Bridging Disciplines Connecting Experience. Chromate levels across a spatial gradient in the Godivari River, India.
- 2015-2017. Jeff Brennan, UT Green Fee project archiving Waller Creek Diversity.
- 2015-2017. He Bai, UT Green Fee project archiving Waller Creek Diversity.
- Fall 2017. Vanessa Serrano, BDP Research Experience advisory.
- Fall 2017. Claire Wadler and Julia Doncaster, BDP Connecting Experience advisor.
- Summer 2016. Erin Shilling, BDP Connecting Experience advisor.
- Fall 2015. Joally Canales, BDP Connecting Experience advisor.
- Spring 2015. Advisor to Enrique Vargas, undergraduate research on temporal trends in heart deformities in amphibians as potentially related to environmental toxins.

Fall 2014 – Spring 2015. Sarah Kim. EVS Senior Thesis advisor. East Austin’s urban creeks and the need for urban creek restoration.

Spring 2014. Laura Dugan. PhD Committee. Invasion Risk And Impacts Of A Popular Aquarium Trade Fish And The Implications For Policy And Conservation Management.

Spring 2014. Kevin Bone – EVS Senior Thesis advisor. Regrowth potential of fecal coliforms in Dillo Dirt.

Fall/Spring 2013-2104. Lauren Tien – EVS Senior Thesis advisor. Risk analysis of hydraulic fracturing fluids.

Spring 2013. Elly Lai -- EVS Senior Thesis advisor. Impact of air pollution on plant invasions.

Spring 2013. Anna Schneider – Plan II Senior Thesis, 2nd Reader

Spring 2007 - 2009. Advisor, BIO 237, Allison Bullock. Decomposition of standing dead litter in Texas savannas.

Spring 2007 - 2008. Advisor to Jacquelyn Sugianto. Measuring rates and effects of herbivory on K-R Bluestem, an invasive C4 grass.

Spring 2007 - 2008. Advisor, BIO 237, Marcie Alexander. Decomposition of fallen plant litter in Texas savannas.

Fall 2006. Advisor, BIO 237, Paul Hitchings. Metabolic response of *E. nana* to variation in dissolved oxygen.

Fall 2006. Advisor, BIO 337, Michael Gil. Juvenile growth response of *E. nana* to variation in dissolved oxygen.

Fall 2006. Advisor to undergraduates working at the Wildflower Center: Jacquelyn Sugianto, Allison Bullock, Marcie Alexander.

Spring 2006. Advisor to undergraduates working on *Eurycea nana* project: Paul Hitchings, Ryan Levey.

2005-2006. Advisor, BIO 337 and Junior Fellow mentor, Nana Ama Quartey. “Spatial and temporal response of macroparasites to press and pulse disturbances in aquatic communities”

2005-2006. Advisor, BIO 337, Jacquelyn Sugianto, “Differential production of dead organic matter by grasshoppers following fire in Texas savannas”.

Spring 2005. Advisor, BIO 177, Marie Medina, “Quantifying nitrogen produced as a result of grasshopper herbivory”.

2004-2005. WISDOM mentor, Tuyen Le.

Spring 2004. Advisor, BIO 337, Nancy Hernandez. “Effects of fire season on nitrogen pools in Texas savannas”.

2004-2005. Advisor, BIO 237, Nana Ama Quartey. “Effects of fire season on nitrate and ammonium concentrations in Savanna grasslands”.

2004-2005. Advised undergraduate research volunteers: Jacquelyn Sugianto, Jessica Colberg, Katie Saunders, Connie Hsiao, Alvin Ooman, Jose Ortiz.

Spring 2004. WISDOM group mentor.

2003-2004. Advised undergraduate research volunteers: Nancy Hernandez, Nana Ama Quartey, Alvin Ooman, and others.

2002-2003. Advised undergraduate research volunteers and work-study students:
Jens Lansjoen, Taylor Ma, Dina Maldonado, Cynthia Minowa, and others.