Linda C. Fuselier
Curriculum Vitae

University of Louisville, 139 Life Sciences Bldg. Louisville, KY 40292; lcfuse01@louisville.edu

EDUCATION

Ph.D., Biological Sciences, University of Kentucky, Lexington, KY. 2004. Dissertation title: Maintenance of sexual dimorphism in a dioicous liverwort.

M.S., Environmental Biology. Emporia State University, Emporia, KS. 1993. Thesis title: Habitat restoration and seasonal habitat use by Neosho madtoms (*Noturus placidus*), and seasonal variation of fish assemblages in the Cottonwood River, Kansas.

B.A., Biology, with Secondary Teacher Certification. Southwestern College, Winfield, KS. 1987. (Cum laude)

ADMINISTRATIVE EXPERIENCE

Chair, Biology Department (Jul 2022 – present)

Associate Dean for Undergraduate Education, College of Arts and Sciences, University of Louisville (July 2018-2022). Major initiatives include undergraduate mentored research program, academic advising assessment, development of general education interdisciplinary curricula, undergraduate learning assistant program, faculty professional development, teaching evaluation, IBM partnership, and retention initiatives that promote high impact teaching practices. Currently, my work plan is 85% administration.

Acting Associate Dean for Undergraduate Education, College of Arts and Sciences, University of Louisville (spring 2017). Major initiative – institute periodic meetings of the Undergraduate Directors from all departments in the college with the aim of elevating the value of teaching and investigating potential methods for evaluating teaching.

Director of Undergraduate Studies, Biology Department, University of Louisville (2016-July 2018). Chaired committee of faculty who reviewed curriculum, proposed new courses and made recommendations to the larger faculty.

Director of Women's and Gender Studies Program, Minnesota State University, Moorhead (2010-2012) Administered an interdisciplinary program; supervised three faculty, hired Adjunct faculty, managed a budget and course schedules and hired the first tenure-track position in the program. Responsible for coordination and development of a major and two minors, created a certificate program and a minor in Women's Health. Developed and implemented program assessment and managed curriculum building and design.

TEACHING EXPERIENCE

Professor, (with tenure) University of Louisville, Louisville, KY (Aug 2014 to present). My work plan before becoming an Associate Dean was, on average, 55% teaching, 35% research and 10% service. My position was created to restructure the undergraduate general education biology curriculum, lecture and lab, coordinate and train graduate teaching assistants (GTA). Research is primarily **Discipline-Based Biology Education**, with a focus on the lab curriculum and evolutionary biology.

Associate Faculty, Women's Gender and Sexuality Studies.

Courses taught or designed: Graduate Seminar I Biology Pedagogy, Introductory biology for non-majors, 350 student lecture; Introductory biology laboratory for non-majors with 21 sections and seven GTAs; Environmental Biology.

Associate Professor with tenure, 2016 - 2020

Assistant Professor 2014-2016

Associate Professor, Antioch College, Yellow Springs, OH (2012 to 2014). Administrative/curriculum and teaching duties. Administration duties were centered around accreditation and the committee work needed to support the process and building an Environmental Biology major and curriculum.

Courses taught: Environmental Science, Botany, Aquatic Biology, Global Seminar: Water
Undergraduate student research: bryophyte assemblages on *Fraxinus* species threatened by an invasive insect
Education research and outreach: incorporation of informal science education into higher education, intergenerational learning in plant biology and forest restoration; Dayton STEM school collaboration teaching aquatic biology
Project Manager: Managed budget, oversaw collaborations among stakeholders, chaired meetings and implemented a forest restoration and community engagement project

Professor, (with tenure) Minnesota State University, Moorhead (2004 – 2012). Taught 12 credit hours per semester; a primarily undergraduate institution.

Courses taught:

- Organismal Biology lecture, lab
- Cell Biology lab
- Evolutionary Biology
- Botany
- Aquatic Biology
- Biology Today
- Fish Biology
- First Year Experience
- Molecular Biology lab
- Pacific Northwest Ecol
- Tropical Field Ecology
- Research in Ecology and Evolution
- Research Design
- Advanced Research
- Sex, Gender and Evolution
- Inclusive Science

Curriculum development: biology curriculum content sequencing, assessment and re-design; introductory biology lab design and assessment, and the development of an Ecology and Evolutionary Biology emphasis that included undergraduate research courses

Education research and outreach: the incorporation of science information literacy and integration of faculty scientific research into undergraduate biology courses using open inquiry; innovative methods for incorporating bryophytes into plant and molecular biology lessons; gendered views of science; retention of women in STEM fields.

Teacher preparation: conducted workshops for inservice teachers on teaching evolution, team-based learning and research as a teaching tool; education research projects with preservice teachers; coordination of Life Science Teaching Methods students with Genetics and Molecular Biology students in multiyear learning projects

Evolutionary Biology Research: Cryptic speciation and the evolution of liverworts in the genus *Metzgeria* based on molecular phylogenetic analysis; wetland bryophytes

Advised undergraduate research in: plant growth and establishment in restored and native wetlands, aquatic plant biology, impacts of UV radiation on plant asexual reproduction, morphological plasticity across nutrient and light environments, sexual dimorphism in life history strategies of bryophytes, evolution and genetic structure of plant populations, fish behavior, sexual dimorphism in a migratory dragonfly

WGST-related research: college student response to scientist role models in science courses, the history of women in bryology; collaborative research on the incorporation of the Nature of Science into Women's and Gender Studies courses

Advanced Ecology Lab Teaching Assistant, University of Kentucky. Taught field ecology labs to senior undergraduates. (2003)

Lecturer, University of Kentucky. Sole responsibility for introductory biology lecture course for 250 non-major students. (2002)

Fisheries Scientist II, Academy of Natural Sciences in Philadelphia, Patrick Center for Environmental Research (Jan 1998 – Jul 1999). I used relational a database and long term datasets to analyze fish assemblages in relation to environmental hazards, involved in fisheries, fish ecology research, long-term monitoring of aquatic systems in northeast and southeast USA, and freshwater tidal marsh restoration work.

Biology Education Outreach and Research: grant-funded freshwater tidal marsh restoration project that included public high school students from Philadelphia; mentored an undergraduate student in fish behavior research as part of the NSF-REU (Research Experiences for Undergraduates) program.

Undergraduate Research mentor, University of Kentucky, Guided research projects with undergraduates (2001-2002)

Ecology Recitation Teaching Assistant, University of Kentucky. Sole responsibility for course material in ecology lab / recitation sections (2000)

Stream Fisheries Biologist and Project Supervisor, Kansas Department of Wildlife and Parks (Jan 1995 - Oct 1996) Hired field crews and supervised a basin-wide survey of a river basin in Kansas coordinated survey teams, developed monitoring protocols and provided baseline data for an index of biotic integrity.

Adjunct Professor, Murray State College, Tishomingo, OK. Sole responsibility for general biology lecture and lab (1993-1994)

Naturalist, Kansas Department of Wildlife and Parks. Presented programs to the general public & special interest groups. Completed project WILD training (1992)

General Biology Lab Instructor, Emporia State University and University of Kansas (1991-1992, 1994)

High School Biology Teacher, Unified School District #430, South Brown County, Kansas (1988-1991)
Courses taught: general biology, human anatomy & physiology, and general science.

Professional activities: assessment and management of at-risk students, homebound instruction, in-service activities, worked closely with special education professionals to design curricula for students

Substitute Teacher, Kansas school districts. Taught sciences, social sciences, art, physical education and elementary education. Implemented lesson plans, designed class activities. (1987)

REFEREED PUBLICATIONS

(**indicates undergraduate or graduate student*)

1. Weingartner, L.A., E. J. Noonan, A. Shaw and L Fuselier. In press. Engaging pre-medical students in medical education research: benefits of clinical skills observation studies. **Academic Medicine**.

2. Fuselier, L. and M. Carreiro. 2022. Emergence and establishment of mosses and ferns from spore banks after exposure to glyphosate and two bioherbicides. **The Bryologist** 125(2): 352-361.
3. DeCaro, M. S., McClellan, D. K., Powe, A., Franco, D., Chastain, R. J., Hieb, J. L., & Fuselier, L. (in press). Exploring an online simulation before lecture improves undergraduate chemistry learning. ***Proceedings of the International Society of the Learning Sciences*.**
4. Casper, A. M., R. A. Atadero, L. Fuselier. 2022. Revealing the queer spectrum in STEM through robust demographic data collection in undergraduate engineering and computer science courses at four institutions**. PLOS ONE** https://journals.plos.org/plosone/article?id=10.1371/journal.pone.0264267
5. Fuselier, L. and M. McCool*. 2022. Density-dependent rhizoidal tuber production in a non-native, male-biased population of *Gemmabryum klinggraeffii* (Schimper) J.R. Spence, H.P. Ramsay. **Journal of Bryology**. https://doi.org/10.1080/03736687.2021.2008197.
6. Ray King, K*., L. Fuselier and H. Sirvisetty*. 2021. LGBTQIA+ invisibility in nursing anatomy/physiology textbooks. **Journal of Professional Nursing.** 37:816-827. https://doi.org/10.1016/j.profnurs.2021.06.004
7. Humrick, K.* and L. Fuselier. 2021. Content knowledge and Social Factors Influence Student Moral Reasoning About CRISPR/Cas9 in Humans. **Journal of Research in Science Teaching. 1:1-32** https://onlinelibrary.wiley.com/doi/10.1002/tea.21679
8. Cooper, K., Anna Jo J. Auerbach, Jordan D. Bader, Amy S. Beadles-Bohling, Jacqueline A. Brashears5, Erica Cline, Sarah L. Eddy, Deanna B. Elliott, Elijah Farley, Linda Fuselier, Heather M. Heinz, Madison Irving, Tanya Josek, A. Kelly Lane, Stanley M. Lo, Jeffrey Maloy, Michelle Nugent, Erika Offerdahl, Juan Palacios-Moreno¬, Jorge Ramos, Joshua W. Reid, Rachel A. Sparks, Ashley L. Waring, Mike Wilton, Cara Gormally, Sara E. Brownell. 2020. Fourteen recommendations to create a more inclusive environment for LGBTQ+ individuals in academic biology. **CBE-Life Science Education** 19(3):1-18. https://doi.org/10.1187/cbe.20-04-0062.
9. McFadden, J. and L. Fuselier. 2020. Graduate teaching assistants: sharing epistemic agency with non-science majors in the biology laboratory. **Disciplinary and Interdisciplinary Science Education Research.** https://doi.org/10.1186/s43031-020-00024-5
10. Carreiro, M., L. Fuselier and M. Waltman. 2020. Efficacy and Non-Target Effects of Glyphosate and Organic Herbicides for Invasive Vine Control. **Natural Areas Journal**, 40(2): 1-13.
11. Fuselier, Linda, Justin McFadden, & Katherine Ray King*. 2019. Do biologists' conceptions of science as a social epistemology align with critical contextual empiricism? **Science & Education**. 25 pp. (ePub in advance of print doi: 10.1007/s11191-019-00084-8)
12. Novick, L. R. and L. Fuselier. 2019. Perception and conception in understanding evolutionary trees. **Cognition** 192. https://doi.org/10.1016/j.cognition.2019.06.013
13. Fuselier, L., P. Eason, J. K. Jackson and S. Spaulding*. 2018. Images of objective knowledge construction in sexual selection chapters of evolution textbooks. **Science & Education** 27: 479-499. https://doi.org/10.1007/s11191-018-9978-7
14. Studlar, S.M. and L. Fuselier. 2018. The 2016 Crum Workshop: Bryophytes of the Red River Gorge Geological Area, Kentucky. **Evansia** 35(1):6-23. https://doi.org/10.1639/0747-9859-35.1.006
15. Fuselier, L., M. Carriero, , and L. Nason*. 2018. Invasive Species Management Impacts on Native and Nonnative Ferns in an Urban Forest Spore Bank. **Castanea** (Mar 2018) 83(1):28-37. DOI: 10.2179/17-125
16. Fuselier, LC., R. Detmering and T. Porter. 2017. Contextualizing and scaling-up science information literacy in introductory biology laboratories. **Science & Technology Libraries** 36(2) http://dx.doi.org/10.1080/0194262X.2017.1307158
17. Fuselier, LC., 2016. And baby makes four – gestational surrogacy in India and the biology of the female reproductive system, a case study. **National Center for Case Study Teaching in Science**.
18. Fuselier, L., J.K. Jackson and R. Stoiko*. 2015. Social and rational: the presentation of nature of science and the uptake of change in evolution textbooks. **Science Education** 100(2):239–265. https://doi.org/10.1002/sce.21205

19. Fuselier, L., 2015. From generation to generation: incorporation of intergenerational informal science education into an introductory college science course. **Science Education and Civic Engagement** 7(2): 98-108.
20. Studlar, S., L. Fuselier and P. Clark*. 2015. Tenacity of bryophytes and lichens on sandstone cliffs in West Virginia and relevance to recreational climbing impacts. **Evansia** 32(3): 121-135. https://doi.org/10.1639/079.032.0303
21. Fuselier, L., C. Murphy, A. Bender and K. Creel Falcón. 2015. Teaching scientific literacy in an introductory Women's Studies course: a case study in interdisciplinary collaboration. **Research in Science and Technological Education** 33(1): 38-60. https://doi.org/10.1080/02635143.2014.971734

(see book chapters for publications in 2014)

22. Fuselier, L., D. Donarski*, J. Novachek*, D. Rastedt* and C. Peyton*. 2012. Composition and biomass productivity of bryophyte assemblages in natural and restored marshes in the prairie pothole region of northern Minnesota. **Wetlands** 32:1067-1078.
23. Fuselier, L., B. Shaw, J. Engel, M. von Konrat, D. Costa, N. Devos and A. J. Shaw. 2011. The status and phylogeography of the liverwort genus *Apometzgeria* Kuwah. (Metzgeriaceae). **The Bryologist**. 114:92-101.
24. Fuselier, L. and B. Nelson. 2011. A Test of the efficacy of a single information literacy lesson in an Introductory Biology laboratory course with a strong science writing component. **Science and Technology Libraries** 30:58-75.

    Note: This paper was chosen as a top 20 paper for 2011 by the American Libraries Association
25. Fuselier, L., A. Bougary* and M. Malott. 2011. From trace evidence to bioinformatics: putting bryophytes into molecular biology education. **Biochemistry and Molecular Biology Education** 39:38-46.

    Note: This paper was selected for and highlighted in a special edition of the journal.
26. Fuselier, L. and K.J. Jackson. 2010. Perceptions of collaboration, equity and values in science among female and male college students. **Journal of Baltic Science Education** 9:109-118.
27. Fuselier, L., P.G. Davison, M. Clements*, B. Shaw, N. Devos, J. Heinrichs, J. Hentschel, M. Sabovljevic, P. Szövényi, S. Schuette, W. Hofbaurer, and A. J. Shaw. 2009. Phylogeographic analyses reveal distinct lineages of *Metzgeria furcata* (L.) Dumort. and *M. conjugata* Lindb. (Metzgeriaceae) in Europe and North America. **Biological Journal of the Linnean Society** 98:745-756.
28. Wisenden, B., M. Rugg*, N. Korpi*, and L. Fuselier. 2009. Estimates of active time of chemical alarm cues in a cyprinid fish and an amphipod crustacean. **Behaviour** 146:1423-1442..
29. Fuselier, L. and *N. True. 2009**.** A novel experimental design for examining bryophyte response to increased ultraviolet radiation**. Journal of Natural Resources and Life Science Education** 38:27-32.
30. Fuselier, L. 2008. Variation in life history characteristics between asexual and sexual populations of *Marchantia inflexa*. **The Bryologist** 111:248-259.
31. Wisenden B.D., *Karst J., *Miller J., *Miller S., Fuselier L. 2008. Anti-predator behaviour in response to conspecific chemical alarm cues in an esociform fish, *Umbra limi* (Kirtland 1840). **Environmental Biology of Fishes** 82: 85-92.
32. Fuselier, L. C., P. Decker*, J. Lunski*, T. Mastel*, and S. Skolness*. 2007. Sex differences and size at emergence are not linked to biased sex ratios in the Common Green Darner, *Anax junius*. **Journal of Freshwater Ecology** 22: 107-117.
33. Echelle, A. E., L. C. Fuselier, R. Van Den Bussche, C. Rodriguez and M. Smith. 2006. Molecular systematics of Hispaniolan pupfishes (Cyprinodontidae: Cyprinodon): Implications for the biogeography of insular Caribbean fishes. **Molecular Phylogenetics and Evolution** 39:855-864.
34. Crowley, P.H., H. Davis, A. Ensminger, L. Fuselier, J.K. Jackson and D N. McLetchie. 2005. A general model of local competition for space. **Ecology Letters**. 7:176-188.
35. Fuselier, L.C. and D. N. McLetchie. 2004. Microhabitat and sex distribution in a dioicous liverwort, *Marchantia inflexa*. **The Bryologist**. 107: 345-356.
36. Fuselier, L. and D. N. McLetchie 2002. Maintenance of sexually dimorphic pre-adult traits in *Marchantia inflexa* (Marchantiacae). **American Journal of Botany** 89:592-601.

37. Fuselier, L.C. 2001. Impacts of *Oreochromis mossambicus* (Perciformes: Cichlidae) upon habitat segregation among Cyprinodontids (Cyprinodontiformes) of a species flock in Mexico. **Revista de Biologia Tropical** 49: 647-656.
38. W.C. Hession, T.E. Johnson, D.F. Charles, D.D. Hart, R.J. Horwitz, D.A. Kreeger, J.E. Pizzuto, D.J. Velinsky, J.D. Newbold, C. Cianfrani, T. Clason, A.M. Compton, N. Coulter, L. Fuselier, B.D. Marshall, J. Reed. 1999. Ecological benefits of riparian reforestation in urban watersheds: study design and preliminary results. **Environmental Monitoring and Assessment**. 63: 211-222
39. Heckert, Megan*, Linda Fuselier and R.J. Horwitz. 1999. Habitat use by *Fundulus heteroclitus* and *F. diaphanus* and effects of species co-occurrence. **J. Penn. Acad. Sci**. 73: 22-26 (*M. Heckert was an REU student under my mentorship.)
40. Fuselier, L. and D. R. Edds, 1997. Seasonal variation in pool and riffle fish assemblages in a mitigated reach of a midwestern USA stream. **Southwestern Naturalist** 41: 229-306.
41. Wilkinson, C. and L. Fuselier. 1997. Neosho madtoms (*Noturus placidus*) in the South fork of the Cottonwood River: Implications for Management of the species. **Trans Ks Acad Sci**. 100: 162-165.
42. Fuselier, L. and C. Mammoliti. 1996. County Records for Fishes in the Neosho River Basin in Kansas. **Trans KS Acad Sci** 99: 157-160.
43. Fuselier, L. and D. R. Edds, 1994. An artificial riffle as fish habitat restoration for a threatened madtom. **North American Journal of Fisheries Management** 15: 499-503.
44. Fuselier, L. and D. R. Edds, 1994. Seasonal variation in habitat use by the Neosho madtom (Teleostei: Ictaluridae: *Noturus placidus*). **Southwestern Naturalist** 39: 217-223.
45. Fuselier, L. and D. R. Edds, 1994. Habitat partitioning among three species of map turtles, genus *Graptemys* (Testudines, Emydidae). **Journal of Herpetology** 28: 154-158.
46. Fuselier, L. and D. R. Edds, 1992. *Phoxinus erythrogaster* Cypriniformes: Cyprinidae) range extension in Kansas. **Trans KS Acad Sci**. 96: 227-228.

BOOK CHAPTERS AND OTHER PUBLICATIONS

1. Fuselier, Linda. 2014. *Catostomus commersoni*. *In*, Kansas Fishes, Eberle, M. and D. Edds, eds. Pp. 258-259. University Press of Kansas, Lawrence.
2. Fuselier, Linda. 2014. *Moxostoma erythrurum*. *In*, Kansas Fishes, Eberle, M. and D. Edds, eds. Pp. 276-277. University Press of Kansas, Lawrence.
3. Fuselier, Linda. 2014. *Moxostoma pisolabrum* and *Moxostoma macrolepidotum*. *In*, Kansas Fishes, Eberle, M. and D. Edds, eds. Pp. 278-280. University Press of Kansas, Lawrence.
4. Fuselier, Linda. 2014. *Pylodictus olivaris*. *In*, Kansas Fishes, Eberle, M. and D. Edds, eds. Pp. 306-307. University Press of Kansas, Lawrence.
5. Wisenden, BD and Fuselier, LC. 2010 Animal Behavior lab protocols Phototaxis in Notonecta; Optimal Foraging in Granivores; Social Information Transfer in Zebrafish; Visualizing Acoustic Signaling; Sexual Selection in Guppies; Lek Polygyny in Greater Prairie Chickens (online publications)
6. Wisenden BD, Fuselier LC. 2009 . Social facilitation of behavior across fish shoals. MERLOT.
7. Chang, E.H.*, Fuselier, LC and Malott, M. 2006. Ecological genomics: analyzing genetic data from liverworts using ISSRs and the CEQ 8000. Faseb Journal 20(5):A908

FUNDED GRANTS AND AWARDS

- CPE Healthcare Workforce. 2022. CPE, Council on Postsecondary Education, Kentucky. $640,900.00. PI; the proposal was developed by a team from across the university.
- Blue Explorance 2022. Improving Inclusive Clinical Skillss Evaluation with Large Video-Coding Datasets. CoPIs Laura Weingartner and L. Fuselier. Begins Mar 2022. $15,000.00
- Internal through the President's Office – Mentoring Program for Graduate Students and Undergraduate Researchers. 2021. $44,000.00
- National Science Foundation, RCN-UBE Incubator, 2020 Creating a more inclusive undergraduate biology curriculum, PI Sarah Eddy (FIU), Co-PI Linda Fuselier, Susan Jarosi (Hamilton) and Aramati Casper (CSU) $69,003.00 (delayed because of pandemic)
- National Science Foundation – Improving undergraduate science education grant (NSF-IUSE). 2019 Preparing students to learn: designing exploratory learning activities in undergraduate STEM

courses, PI Marci DeCaro (psychology), Co-PIs: Linda Fuselier (biology), Jeff Hieb (engineering), Ray Chastain (physics), $599,987.00 (starting fall 2020; delayed because of pandemic)

- Blue Explorance. 2020. A multicultural, intersectional analysis of student performance and evaluation of teaching, Fuselier, L. (PI). $10,000.00
- Development of Engaging, New Undergraduate Laboratory Lessons for the Belknap Academic Building. Fuselier (PI) and Eason (CoI) $9000.00 for biology graduate student small grants.
- PALS for large lectures: peer assisted learning to support retention. 2019. Fuselier (PI), Bailey and Rabin. $8400.00
- Changing Institutional Culture: Focus on Interdisciplinary Learning. Fall 2018. An internal grant from the Provost's office. Fuselier (PI) $16,000.00
- Gatekeepers to Gateways: Transforming Introductory Courses to Improve Student Persistence and Retention, Fall 2018. An internal grant from the Provost's office. co-PI's Fuselier, L. and Eason, P. $155,000.00
- Innovative Teaching Award. 2018. College of Arts & Sciences, University of Louisville.
- Center for Integrative Research on Cognition, Learning and Education (CIRCLE), Cognitive Science-DBER partnership, Washington University, St. Louis (stipend, travel, conference) 2018.
- Biology Teaching Assistant Project (BioTAP) Scholar, a National Science Foundation (NSF)-funded Research Coordination Network, 2017 (stipends, travel)
- Math Science Partnership; KY Board of Education. 2017. Three dimensional assessment of NGSS lessons among middle school teachers in Jefferson County Public Schools. T. Tretter (PI), co-PIs: S. Mark, S. Phillips, L. Fuselier and C. Rich. 2016-2017 $400,000.00
- Spencer Foundation small grant. 2016. Connecting epistemic beliefs to pedagogical practice in argument driven labs. Fuselier, L. (PI), Co-PI, J. McFadden. $49,920.00
- University of Louisville, Delphi Center for Teaching and Learning, Ideas to Action grant for teaching GTAs critical thinking pedagogy, 2016, $5000.00.
- SENCER post-institute implementation grant, contextualizing meiosis in non-majors biology, 2015 $3000.00
- The National Center for Science and Civic Engagement, a subgrant award from NSF, SENCER-ISE II, partnership between higher education and informal science education, 2013, $50,000
- Intergenerational Community Building (through native plant propagation and restoration in Glen Helen) Llewelyn Foundation, 2013, $5200,
- Sixteen of my student researchers at MSUM received competitive internal grants for their research
- Award; the American Library Association (ALA) Library Instruction Round Table chose my paper as one of the top twenty library instruction articles of 2011.
- Discipline workshop grant in collaboration with Century College faculty to host a workshop on gender studies and women's health 2012, $6000
- Contextualized Science Learning in Biology and Physics and Recruitment of Women in STEM, grant from Minnesota State Colleges and Universities, Center for Teaching and Learning (MnSCU CTL), 2012, $10,000
- Award for Excellence in Research, MSUM 2009
- NSF-Course Curriculum and Laboratory Improvement grant, PI, for incorporation of research into undergraduate introductory biology curriculum, 2008, $150,000
- NSF-Major Research Instrumentation Grant, PI, for purchase of equipment for a Molecular Ecology laboratory, 2008, $40,000
- Recruitment of STEM Learners Through a Community College to University Bridge Program (MnSCU CTL) 2008, $30,000
- Development and Implementation of a Women and Science Certificate Program, collaboration between Women's Studies and Biosciences, MnSCU, 2009, $10,000
- NSF-ROA and REU co-authored with Dr. A.J. Shaw (Duke University) Supplement to existing NSF grant (PI, Shaw), $31,841.00.
- MnSCU CTL, for undergraduate research program in molecular ecology, 2006, $5500

- Visiting Scholar Grant, 2006 $700 (to bring in speakers)
- MSUM Faculty Research Grant, 2004, 2005, 2006, $2000 each
- MSUM Dille Foundation Grant, 2004, 2005, 2007 $2000 each
- IFO Feminist Issues grant, for a Women's Health colloquium 2005, $3000.00
- Dissertation Year Fellowship, 2003-2004, $16,000
- Sigma Delta Epsilon, Graduate Women in Science research award, 2002, $900
- Kentucky Academy of Science, Botany Fund Award, 2002, $1100
- Dissertation Enhancement Award, 2001, $2000
- Torrey Botanical Society 2001, $1000
- Ribble research grant 2000, 2001, 2002 (average $500)
- Kuehne Award 2000, 2001 (average $600)
- Norcross Wildlife Foundation 1999, $10,000
- Heritage Conservancy demonstration grant for restoration of tidal wetland 1998, $2500
- National Security Education Program graduate fellowship 1997, to conduct research in Yucatán, Mexico on a species flock of pupfish, $6400
- Tinker Foundation Grant for study in Latin America 1996,1997, $800
- Explorer's Club Grant for scientific exploration and travel 1997, $1150
- Panorama Grant, University of Kansas Natural History Museum 1996, $551
- Kansas Department of Wildlife and Parks 1991-1992, $1995
- Kansas Department of Wildlife and Parks, 1992-1993, $13,750
- US Fish and Wildlife Service 1991, 1992, $4415
- US Fish and Wildlife Service, Wildlife Extension Agreement 1992, $4310

RECENT GRANT PROPOSALS SUBMITTED

NSF-SSTEM, 2019 Second year success in biology. Fuselier, PI, Pruitt and Mark as co-I's. $998,056.00 (not funded)

NSF-IUSE, 2018 Exploratory Learning Activities: Evidence, Mechanisms and Strategies for Undergraduate STEM Courses, PI Jeff Hieb, Co-PI: Marci DeCaro, Linda Fuselier, Ray Chastain, $594,639.00 (not funded)

NSF-IUSE, 2018, Using Complexity Leadership theory to Promote Wide-Spread Adoption of Evidence-Based Teaching in STEM disciplines, Jeffrey Hieb (PI), Co-PIs: Linda Fuselier, Marie Brown, Meera Alagaraja, $2,994,626.00 (not funded)

NSF-SSTEM, 2017, Academic Career and Community Empowerment for STEM Scholars. PI Linda Fuselier, Co-I's Kasey George Jackson, Jason Immekus, Sheron Mark, Jeff Hieb $999,333.00 (not funded)

NSF-SSTEM, 2016, Academic Career and Community Empowerment for STEM Scholars. PI Linda Fuselier, Co-I's Kasey George Jackson, Dwain Pruitt, Becky Patterson, $999,999.00 (not funded)

DOCTORAL STUDENT DISSERTATIONS

Ray King, Katherine. 2020. On the straight and narrow: how cultural beliefs about sex and gender manifest in college biology learning environments.

Humrick (Seiler), Katie. 2020. Undergraduate students use moral reasoning and belief in genetic determinism in response to a CRISPR/CAS9 sociocientific issue.

Spaulding, Sarah. 2021. The peacock in the room: confronting the hidden curriculum of androcentrism and gender bias in undergraduate biology education.

RECENT PRESENTATIONS

(**indicates undergraduate student, [1]graduate student, [2]accepted but conference canceled due to pandemic)*

- Douin, T[1]., R. Chastain, J. Hieb, M. DeCaro and L. Fuselier. 2023. Neoliberal ideology in the academy: how college science instructors teaching strategies are shaped by and resistant to neoliberal ideology. Sociology of Education conference.

- Douin, T[1]., R. Chastain, J. Hieb, M. DeCaro and L. Fuselier. 2023. Non-Tenure-Track College Science Instructors' Use of Student-Centered Learning Strategies and Resistance to Neoliberal Ideology. AERA.
- Douin, T[1]., R. Chastain, J. Hieb, M. DeCaro and L. Fuselier. 2023. Departmental fit impacts adoptionof evidence-based practices in STEM classes for tenure and non-tenure track professors. NARST
- Bego, C., M. DeCaro, R. Chastain, J. Hieb, and A. Thompson. 2023 Exploration prior to instruction leads to transferrable isometric drawing skills. American Society of Engineering Education.
- Gose, PM*, [1]T Douin, L Fuselier, RJ Chastain, J Hieb & MS DeCaro. (2022) An Examination of Introductory STEM Teacher's Beliefs and Practices. UofL Summer Research Day.
- Powe, A., Franco, D., [1]McClellan, D. K., Chastain, R. J., Hieb, J. L., Fuselier, L., & DeCaro, M. S. (2022, July). Exploring a simulation on atomic structure before lecture improves undergraduate chemistry students' concept learning. To be presented at the *Biennial Conference on Chemical Education.*
- DeCaro, M. S., [1]McClellan, D. K., Powe, A., Franco, D., Chastain, R. J., Hieb, J. L., & Fuselier, L. (2022, June). Exploring an online simulation before lecture improves undergraduate chemistry learning. Paper presented at the *International Conference of the Learning Sciences,* Online.
- DeCaro, M. S., Hieb, J. L., Fuselier, L., & Chastain, R. J. (2022, June). Exploratory learning activities in undergraduate STEM courses. Poster presented at the *Improving Undergraduate STEM Education (IUSE) National Summit*, Washington DC.
- Weingartner, L., E. Noonan and L. Fuselier. 2022 Education Research Experiences for Pre-Health Students Enhance Clinical Skills and Develop Awareness of LGBTQ+ Microaggressions. NARST
- Casper, A., Eddy, S., Fuselier, L. and Jarosi, S. 2022. Moving towards a gender inclusive biology curriculum by leveraging an interdisciplinary network. SABER.
- DeCaro, M. S., Hieb, J., Chastain, R. J., Fuselier, L. (2022, April). How exploratory learning activities before instruction improve conceptual understanding in STEM classrooms. Presented at the *Integrating Psychology and STEM Education Research to Promote Innovative Teaching Conference (CIRCLE),* St. Louis, MO.
- Hopp, R., Christian, N., Masters, J., Hieb, J., Fuselier, L., & DeCaro, M. (2022, February). Student perception of exploratory learning. Talk presented at the *University of Louisville Celebration of Teaching and Learning,* Louisville, KY.
- Spaulding, S.[1] and L. Fuselier. 2021. Teaching sexual selection: gender essentialism impacts student understanding of non-human sex roles. Wisconsin Feminist Science Conference.
- Tagnedji, Afi* and L. Fuselier. 2021. An intersectional analysis of student comments on teaching evaluations for Black women in STEM using automated content analysis. Undergraduate Arts and Research Showcase, University of Louisville, April 2021. *won first place in Natural Science category
- Weingartner, L., Noonan, E., M. Shaw, and L. Fuselier. 2021. Establishing a Remote Clinical Skills Research Program. AAMC, GEA Regional Spring Meeting
- Fuselier, L., J.K. Jackson and P. Eason. 2020. Model organisms in college evolutionary textbooks portray a limited view of sexual selection. ISHPSSB meeting in Dublin (online; Dec 11, 2020).
- Fuselier, L. 2020. Characterizing performance gaps in introductory science and math classes, an intersectional analysis. BLUEnotes Global Conference.
- Massmann, Miranda*; Humrick, Katie[1]; and Fuselier, L., 2020. Belief in Genetic Determinism within Academic Levels. Undergraduate Arts and Research Showcase. https://ir.library.louisville.edu/uars/4
- Sirvisetty, Harshini*; Ray King, Kat[1]; and Fuselier, L. 2020. Seen in Science: LGBTQ+ Inclusivity in Anatomy & Physiology Texts. Undergraduate Arts and Research Showcase.
- https://ir.library.louisville.edu/uars/19
- Fuselier, L. and J. McFadden. 2020. Opportunities for Graduate Teaching Assistants to Make Epistemic Shifts in the Laboratory. National Association for Research in Science Teaching (NARST)[1]
- Humrick, K.[1] and L. Fuselier. 2020. Moral Reasoning about Human Genetic Enhancement using CRISPR. NARST[1]
- Spaulding, Sarah[1], L. Fuselier and L. Novick. 2020. Sexual selection instruction: an evaluation of relationships between theory, pedagogy, gender self-stereotyping and student misconceptions. NARST[1]

- Sirvisetty, Harshini,* K. Ray King[1] and L. Fuselier. 2020. Words matter: a queer theory analysis of anatomy/physiology textbooks. NARST[1]
- Casper, A., K. Ray King[1], R. Atadero and L. Fuselier 2020. Revealing the queer-spectrum in STEM: undergraduate student responses to diverse gender identity and sexual orientation demographics questions. NARST[1]
- Weingartner, L., E. Noonan, L. Fuselier and A. Shaw. 2020. Developing clinical skills through medical education research. Accepted for presentation at the Southern Group on Educational Affairs annual meeting*, Atlanta, GA. [1]
- Fuselier, L., S. Spaulding[1] and L. Novick. 2019. Gender stereotypes and student conceptual understanding of sexual selection. Gordon Research Conference.
- Fuselier, L., P. Eason and J. K. Jackson. 2019. From Fruit Flies to Phalaropes: Textbook Examples of Sexual Selection. Society for the Advancement of Biology Education Research (SABER)
- Humrick, K.[1] and Fuselier, L. 2019. College Student's Consider Diversity and Designer Babies when Reasoning about uses of CRISPR/CAS9. SABER
- Ray-King, K.* and Fuselier, L. 2019. From Belief to Reality: Characterization of Sex/Gender Beliefs in Undergraduates. SABER
- Spaulding, S.[1] and Fuselier, L. 2019. Teaching sexual selection: factors and approaches affecting conceptual understanding of sexual selection theory in undergraduates. SABER
- Humrick, K.[1] and Fuselier, L. 2019. Discourse and Semiotics Workshop (UofL)
- Sirvisetty, H.*, K. Ray King[1] and L. Fuselier. 2019. Representation matters: inclusivity in Anatomy & Physiology textbooks. University of Louisville Summer Research Symposium
- McCool, M.* and L. Fuselier. 2019. Density-dependent tuber production in a non-native dioicous moss. University of Louisville Spring Research Symposium.
- Fuselier, L., J. McFadden and K. Ray King.[1] 2018. Characterizing Graduate Teaching Assistant (GTA) Epistemic Beliefs in Science as a Social Endeavor. BioTAP virtual conference.
- Fuselier, L. J. McFadden, K. Ray King. 2018. Epistemic beliefs among biologist-teachers. FEMMSS
- Spaulding, S.*, Fuselier, L., Jackson, K., and P. Eason. 2018. Images of sexual selection in animal behavior textbooks. FEMMSS
- Novick, L. and L. Fuselier. 2018. Biology students use Gestalt grouping to evaluate evolutionary relatedness. Cognitive Psychology.
- Fuselier, L. and L. Novick. 2018. The Gestalt of it: do Gestalt grouping principles influence student interpretation of phylogenetic trees. NARST
- Ray King, K.[1], L. Fuselier and J. McFadden. 2018. Characterizing epistemic beliefs among biologists. NARST
- McFadden, J. Fuselier, L. and Ray King, K.[1] 2018. Characterizing graduate teaching assistant epistemic beliefs as they emerge in the biology laboratory. NARST
- Fuselier, L., Dietrich, J., and Willey, B. 2018. Translating UofL's General Education to Cardinal Core: history, hiccups and high points. Celebration of Teaching and Learning.
- Fuselier, L. and L. Novick. 2017. How students learn and understand sexual selection. CIRCLE
- Fuselier, L., A. Mojesky[1] and J. Penrose*. 2017. Making energy with mud. KY Science Teachers Association.
- Ray-King, K.[1], Fuselier, L. and J. McFadden. 2017. Characterizing epistemic beliefs among scientists. (SABER and KY Academy Sciences)
- Spaulding, S.[1], Fuselier, L., and K. Jackson. 2017. Picturing sexual selection: sex role depiction in evolution textbooks. (SABER)
- Fuselier, L. 2017. Planting bryophytes into the lab curriculum. Mini workshop ABLE (Assoc. Biol. Lab. Educ.)
- Fuselier, L. and J. McFadden. 2017. Connecting instructor epistemic beliefs to student understanding of science in argument-driven labs. (SABER)
- Novick, L. and L. Fuselier. 2017. Reasoning about relationships in evolutionary trees is influenced by Gestalt grouping. Psychonomics

- Fuselier, L. and Jackson, JK., 2016. Fruit flies to phalaropes: textbook examples and scientific knowledge production. Feminist Epistemology Methodology, Metaphysics and Science Studies (FEMMSS) International Conference
- Fuselier, L. 2016. Contextualized science information literacy in introductory biology labs. Society for the Advancement of Biology Education Research (SABER).
- Michael, M.[1], McFadden, J. and Fuselier, L. 2016. Infusing and sustaining critical thinking pedagogy in introductory biology courses. Delphi Center i2a conference.
- Fuselier, L. 2015. Closing the inquiry cycle: open inquiry and problem finding in introductory biology laboratories. Society for the Advancement of Biology Education Research (SABER)
- Zotter, O*., and L. Fuselier. 2015. Impacts of urban forest management strategies on bryophyte assemblages. University of Louisville Summer REU Program
- Fuselier, Jackson and Stoiko. 2015. Critical contextual empiricism and the uptake of change in Evolution textbooks. National Association for Research in Science Teaching (NARST)
- Fuselier, L. 2014. Updates on the SENCER-ISE I partnership: Intergenerational learning, civic engagement and forest restoration. SENCER Summer Institute. (invited participant on a panel)
- Fuselier, L. 2014. Academic gatekeeping: feminist epistemology in textbooks. The fate of feminism in evolution: a case study. Feminist Epistemology Methodology and Science Studies.
- Fuselier and Giuseffi. 2014. Informal Science Education and Forest Restoration in a Multigenerational Community of Practice. SENCER Summer Institute
- Navaro, Julia* and L. Fuselier. 2013. Botany, invasive species and forest restoration: Learning through Informal Botanical Education and Intergenerational Civic engagement. Botanical Society of America national meeting.
- Fuselier, L. 2012. Composition and productivity of bryophyte assemblages in natural and restored marshes in the prairie pothole region of northern Minnesota. Botanical Society of America.
- Haskins, K.*, C. Norman* and L. Fuselier*. 2012. The amateur tradition and women's participation in bryology in the USA. Botanical Society of America.
- Thompson, C.*, Weber-Trainor, I.*, Effelt, M.*, Peyton, C.* and Fuselier, L. 2011. Nutrients and light impact bryophyte foraging strategies and biomass in wetlands in the Red River Valley. NDSU undergraduate research symposium
- Donarski, D*., Novacek, J*. Rastadt, D.* and Fuselier, L. 2011. Bryophyte assemblages in restored wetlands in the Red River Valley. NDSU undergraduate research symposium
- Murphy, C., Fuselier, L., and J. Holding Eagle *. 2011. Science, politics and diversity. 35th Annual Wisconsin Women's Studies Conference. University Wisconsin, Madison.
- Fuselier, L. 2011. Research to Practice: Integrating science into Women's Studies and Feminist Science into the undergraduate science curriculum. GSTEM symposium, Purdue University ADVANCE
- Fuselier, L. and C. Murphy. 2011. Curriculum enhancement in feminism and science. Mellon 23 workshop (invited).
- Fuselier, L., C. Murphy and *J. Holding Eagle. 2010. Science, politics and the limits of diversity. Red River Women's Studies Conference.
- Fuselier, L. 2010. From trace evidence to bioinformatics: putting bryophytes into undergraduate science education. Botanical Society of America.
- Fuselier, L., C. Murphy and A. Bender. 2010. Inclusive Science: difficult dialogs between Women's Studies and the sciences. National Women's Studies Association.
- Wisenden BD, Fuselier LC. 2010. Animal Behavior Lab Protocols. Poster presentation at Animal Behavior Society meeting, Virginia, 2010
- Jackson, J. K., and Fuselier. 2009. Perceptions of collaboration and values in science in female and male college students. Succeeding as Women in Higher Education, SUNY Cortland.
- Fuselier, L. 2009. Integration of faculty research into an undergraduate biosciences curriculum. AAAS, Undergraduate Research Visions conference (invited)
- Lamey, C., Fuselier, L., Wisenden, B. 2009. Fish behavioral ecology in an inquiry-based undergraduate curriculum. Animal Behavior Society.

- Fuselier, L., Wisenden, B., *M. Rugg and *N.Korpi. 2009. Estimates of active time of chemical alarm cues in a cyprinid fish and an amphipod crustacean. Animal Behaviour Society.
- Michel, B.* and L. Fuselier. 2009. The Teaching of Evolution and Creationism in US Public High Schools. MSUM Student Academic Conference.
- Herath, B.* and L. Fuselier. 2009. Butterfly diversity at the MSUM Regional Science Center
- Bougary, A.* and L. Fuselier. 2009. Genetic variation among liverwort populations: evidence for incipient speciation.
- Corwin, D.*, J Holding Eagle*, A. Koskela* and L. Fuselier. 2009. DNA fingerprinting with ISSR-PCR.
- Corwin, D.*, T. Mullen,* J. Thompson* and L. Fuselier. 2009. Primer optimization and use of RAPD markers to identify plant populations.
- Jackson, K., Fuselier, L., M. Malott, and A. Morrow. 2008. Fostering connections among Women's Studies and STEM programs. Inclusive Science meeting,
- Fuselier, L.,* Decker, P., *Mastel, T. *Skolness, S., *Lunski J. 2007. Sex differences and size at emergence are not linked to biased sex ratios in the common green darner, *Anax junius*. Northcentral Branch Entomological Society of America.
- Binstock, C. and L. Fuselier. 2007. Size, age and sex ratios of Anax junius in two wetlands in the prairie pothole region. NCB-ESA meeting, Student Academic Conference
- *Braun, K., B. *Kowalski and L. Fuselier. 2007. The Influence of Brook Stickleback Culaea inconstans on macroinvertebrates in an artificial wetland. NCB-ESA meeting, Student Academic Conference
- Fuselier, L. and M. Malott. 2006 A research-infused curriculum for undergraduates in biosciences, Council on Undergraduate Research (CUR) annual meeting
- Clapp, Andrew and L. Fuselier. 2006. Research proposal: effects of UV radiation on the DNA of local liverwort, Marchantia polymorpha, populations. Student Academic Conference
- *Hairgrove, K., *E.H. Chang, L. Fuselier and M. Malott. 2006. Population genetic structure and the importance of sex in a thallose liverwort: DNA fingerprinting with ISSR's. Botanical Society of America.
- Wendroth, S. E. H. Chang, K. Hairgrove, L. Fuselier and M. Malott. 2005. Population genetic structure of a clonal plant: How important is sex? ASBMB undergraduate meeting
- Fuselier, L. 2004. Sex-specific and environment-dependent selection drive sexual dimorphism in *Marchantia inflexa.* Botanical Society of America,.
- Fuselier, L. and D. N. McLetchie. 2003. Habitat use by the sexes of a dioecious liverwort. Botanical Society of America.
- Crowley, P., H. Davis, A. Ensminger, L. Fuselier, J. K. Jackson, K. N. Sudler, and D. N. McLetchie. 2003. Simple and complex models of overgrowth competition. International Clonal Workshop.
- Fuselier, L. 2002. Growth and reproduction of *Marchantia inflexa* from single and both-sex populations. American Bryological and Lichenological Society,.
- Fuselier L. and N. McLetchie. 2001. Maintenance of sexually dimorphic pre-adult traits in a thallose liverwort. Botanical Society of America.
- Fuselier, L., A. Echelle, R. A. Van den Busch, C. Rodriguez, and M. L. Smith. 2001. Phylogeography of *Cyprinodon* on Hispaniola. American Society of Ichthyologists and Herpetologists (ASIH)
- Fuselier, L., A. Echelle, R. A. Van den Busch, C. Rodriguez, and M. L. Smith. Phylogeography of Cyprinodon on Hispaniola. American Society of Ichthyologists and Herpetologists (ASIH), 2001
- Fuselier, L. 1997. Effects of introduced fishes upon a species flock in Laguna Chichancanab, Yucatan. ASIH
- Fuselier, L. 1997. Changes in Fish Community Structure and Distribution in the Neosho River Basin in Kansas. Kansas Academy of Science
- Fuselier, L. 1996. Changes in Fish Community Structure and Distribution in the Neosho River Basin in Kansas. ASIH
- Fuselier, L. 1996. Biotic integrity of Neosho River Basin tributary streams in Kansas. Kansas Chapter of the American Fisheries Society (AFS)
- Fuselier, L. 1995. Habitat, behavior and morphology; segregation of *Etheostoma spectabile* and E. *radiosum* in an Oklahoma stream. Southwestern Association of Naturalists

- Fuselier, L. and D. Edds. 1995. An artificial riffle as fish habitat restoration. Midwest Fish and Wildlife Conference,
- Fuselier, L. and D. Edds. 1994. Seasonal variation in pool and riffle fish assemblages in a mitigated stream reach of the Cottonwood River. Southwestern Association of Naturalists
- Fuselier, L. and D. Edds. 1993. An artificial riffle as mitigation of habitat loss for a threatened madtom, Noturus placidus. Kansas AFS
- Fuselier, L. and D. Edds. 1993. Habitat partitioning among three species of map turtles, genus Graptemys. Southwestern Association of Naturalists
- Fuselier, L. and D. Edds. 1993. Seasonal and Spatial variation in fish assemblages in the Cottonwood River, Kansas. Oklahoma Academy of Sciences, Great Plains Limnology Conference
- Fuselier L. and D. Edds. 1992. Niche overlap comparisons among three species of map turtles in Kansas. Kansas Academy of Sciences, Southwestern Association of Naturalists, & Kansas Herpetological Society

RECENT INVITED LECTURES AND SYMPOSIA

- Fuselier, L. 2021. Scientific knowledge and the portrayal of sexual selection in college level evolutionary biology textbooks. Colorado State University, Biology Department Seminar (March 2021)
- Fuselier, L. 2020. A feminist science perspective on teaching sexual selection in college. Stockholm University, Gender Studies Seminar (Sept 14, 2020).
- Fuselier, L. 2020. Teaching sexual selection in college. Stockholm University, Natural Sciences and Education Seminar (Sept 24, 2020).
- Fishes of the Ohio River: Shifting Baselines. 2019. Carnegie Museum, New Albany.
- Fishes of the Ohio River. 2019. Falls of the Ohio State Park.
- Celebration of Teaching and Learning, University of Louisville. Fuselier, L., J. Dietrich and B. Willey. 2018. Cardinal Core: history, hiccups and highlights.
- i2a conference, University of Louisville, invited poster presentation, 2016
- Colorado State University, "Sexual Selection and the Uptake of Change in Evolution Textbooks", 2016
- North Dakota State University ADVANCE grant lecture series, 2011
- Mellon 23 Workshop on Feminism and Science, 2011
- MSUM Honor's Lecture "Evolution of female orgasm as the intersection of science and society" 2011
- West Virginia University, Biology Department Seminar speaker, 2009
- AAAS Undergraduate Research Visions symposium, 2009
- MSUM Honors colloquium, 2008, 2011
- North Dakota State University seminar speaker, 2006, 2011
- MSUM's Women's Center colloquium, 2005, 2010
- Sexual Dimorphism in Bryophytes - an invited symposium I co-organized for the 2004 Botanical Society of America meeting. I presented the introductory talk for the symposium, presented my research and participated in a panel discussion at the close of the symposium.
- American Society of Ichthyologists and Herpetologists, pupfish evolution symposium, 2001.
- Botanical Society of America & American Bryological & Lichenological Society, symposium on evolutionary constraints, 2001.

PROFESSIONAL MEMBERSHIPS

FEMMSS and participant on the meeting Organizing Committee; National Science Teachers Association (NSTA), Society for the Advancement of Biology Education Research (SABER), Southern Appalachian Botanical Society, Torrey Botanical Society, American Bryological and Lichenological Society.

PROFESSIONAL INTERNATIONAL EXPERIENCE

Mexico - I received an NSEP fellowship to live in Mexico for a semester and conduct research on a species flock of fishes on the Yucatan peninsula.

Dominican Republic – I conducted research on fishes as part of a study of the phylogenetic relationships among fishes in the genus Cyprinodon
Trinidad & Tobago – I conducted dissertation research on plants in streams in Trinidad
Costa Rica – Designed and taught a biannual undergraduate course on tropical ecology through MSUM