Curriculum vitae
MARIËLLE H. HOEFNAGELS

E-mail hoefnagels@ou.edu

EDUCATION

1997	**Ph.D.**, Botany and Plant Pathology, Oregon State University, Corvallis, OR Thesis title: Biology and control of *Fusarium* spp. on Douglas-fir (*Pseudotsuga menziesii*) Advisor: Dr. Robert Linderman
1991	**M. S.,** Soil Science, North Carolina State University, Raleigh, NC Thesis title: Vesicular-arbuscular mycorrhizal fungi in North Carolina salt marshes
1987	**B. S.,** *Summa cum laude*, Environmental Science, University of California, Riverside, CA

POSITIONS HELD

2023-present	**Professor Emeritus,** School of Biological Sciences, University of Oklahoma, Norman, OK
2018-2022	**Professor,** Depts. of Biology and Microbiology/Plant Biology, University of Oklahoma, Norman, OK.
2021-2022	**Interim Chair,** Dept. of Microbiology and Plant Biology
2008-2018	**Associate Professor,** Depts. of Biology and Microbiology/Plant Biology, University of Oklahoma, Norman, OK.
2001-2008	**Assistant Professor,** Depts. of Botany/Microbiology and Zoology, University of Oklahoma, Norman, OK.
1997-2001	**Lecturer,** Depts. of Botany/Microbiology and Zoology, University of Oklahoma.
1991-1996	**Graduate Research Assistant**, Dept. of Botany and Plant Pathology, Oregon State University, Corvallis, OR
1992	**Graduate Teaching Assistant**, Dept. of Botany and Plant Pathology, Oregon State University.
1989-1991	**Graduate Research Assistant**, Dept. of Soil Science, North Carolina State University, Raleigh, NC
1990	**Graduate Teaching Assistant**, Dept. of Soil Science, North Carolina State University.
1987-1989	**Laboratory Assistant**, Dept. of Forest Science, Oregon State University.

COURSES TAUGHT

1997-2022	**University of Oklahoma:** Concepts in Biology (nonmajors, general education course) BioWriting (scientific writing class) *Past courses:* General Mycology; Introduction to Microbiology; Contemporary Issues in Biology (online); Zoology Senior Capstone courses (topics: biological terrorism, genetically modified foods)
1992	**Oregon State University (teaching assistant):** Plant Physiology
1990	**North Carolina State University (teaching assistant):** Soil Science

AWARDS AND HONORS

Awards (most significant awards highlighted in bold)

2024	**Textbook Excellence Award,** awarded by the Text and Academic Authors Association for Hoefnagels *Biology: The Essentials*, 4th edition
2023	Finalist, McGraw-Hill Product of the Year (Hoefnagels *Biology: The Essentials*, 4th edition)
2020	Sabbatical leave, August 2020-December 2020
2018	**Textbook Excellence Award,** awarded by the Text and Academic Authors Association for Hoefnagels *Biology: Concepts and Investigations*, 4th edition
	Holden Faculty Award, awarded by the College of Arts and Sciences to recognize outstanding faculty who teach freshmen and sophomores
	Finalist, Product of the Year in Science, Engineering, and Mathematics (Hoefnagels *Biology: Concepts and Investigations*, 4th edition)
2012	Finalist, Revision of the Year in Science, Engineering, and Mathematics (Hoefnagels *Biology: Concepts and Investigations*, 2nd edition), McGraw-Hill National Sales Meeting
2010	Integrity Apex Award, OU Integrity Council (for efforts to foster and promote academic integrity at OU)
	Selected as one of "Pi Phi's Phinest Profs"
2009	Sabbatical leave, January 2009-December 2009
	First Edition of the Year in Science/Engineering/Math (Hoefnagels *Biology: Concepts and Investigations*), McGraw-Hill National Sales Meeting
	Invited attendee, 2009 Education Imperative: Focus on Solving Critical Issues in Education; McGraw-Hill, New York City
2006	Honorary member, Alpha Lambda Delta National Academic Honor Society for Freshmen
2005	**Longmire Prize,** the Teaching Scholars Award awarded by the College of Arts and Sciences for contributions to scholarship of teaching
	Distinguished member, National Society of Collegiate Scholars

2003 **University of Oklahoma General Education Teaching Award,** University-wide award to the professor "whose quality of teaching is considered to have contributed most to the University-wide general education program"

Honorary member, Golden Key International Honour Society

1999 Alpha Phi Omega "Leaders of the 21st Century"

Miscellaneous honors

2018 Selected (together with Doug Gaffin) to represent OU on OU Alumni Association trip to Machu Picchu and the Galapagos Islands

2015 Selected (together with Doug Gaffin) to accompany President's Leadership Class to Italy (3 week trip)

Instructor spotlight for OU IT News Bytes

"Live United" campaign photo shoot (with Doug Gaffin)

Featured (with Doug Gaffin) in *Priority* newsletter article ("Married professors make book proceeds a gift to OU students," Spring 2015) https://www.oufoundation.org/pn2/Default.aspx?pid=BxhLZw2CA7s=&psid=0Q/yYUJ7PZM=

2014 Selected (together with Doug Gaffin) as namesakes for summer 2014 Camp Crimson session

2013 Featured (with Doug Gaffin) in *Sooner Magazine* article ("OU's Super Couple," Winter 2013)

2010 Featured professor (with video profile), integrity.ou.edu

2005-2008 Featured professor (with video profile), OU Prospective Student Services

TEXTBOOKS PUBLISHED

Hoefnagels, M. 2025. *Biology: The Essentials*. 2025 release. McGraw-Hill Corporation.

Hoefnagels, M. 2024. *Biology: Concepts and Investigations*. 2024 release. McGraw-Hill Corporation.

Hoefnagels, M. 2022. *Biology: The Essentials*. 4th edition. McGraw-Hill Corporation. (University-level general biology textbook published Jan. 2021); 621 pages

Hoefnagels, M. 2021. *Biology: Concepts and Investigations*. 5th edition. McGraw-Hill Corporation. (University-level general biology textbook published Jan. 2020; 826 pages)

Hoefnagels, M. 2019. *Biology: The Essentials*. 3rd edition. McGraw-Hill Corporation. (University-level non-majors biology textbook published Jan. 2018); 621 pages

Hoefnagels, M. 2018. *Biology: Concepts and Investigations*. 4th edition. McGraw-Hill Corporation. (University-level general biology textbook published Jan. 2017; 826 pages)

Hoefnagels, M. 2016. *Biology: The Essentials*. 2nd edition. McGraw-Hill Corporation. (University-level biology textbook for nonmajors, published in January 2015; 621 pages).

Hoefnagels, M. 2015. *Biology: Concepts and Investigations*. 3nd edition. McGraw-Hill Corporation. (University-level general biology textbook published Jan. 2014; 826 pages)

Hoefnagels, M. 2013. *Biology: The Essentials*. McGraw-Hill Corporation. (University-level biology textbook for nonmajors, published in January 2012; 631 pages).

Hoefnagels, M. 2012. *Biology: Concepts and Investigations*. 2nd edition. McGraw-Hill Corporation. (University-level general biology textbook published Jan. 2011; 820 pages).

Hoefnagels, M. 2009. *Biology: Concepts and Investigations*. McGraw-Hill Corporation. (University-level non-majors biology textbook published Jan. 2008; 859 pages).

Lewis, R., B. Parker, D. Gaffin, and **M. Hoefnagels**. 2007. *Life*, 6th edition. McGraw-Hill Corporation. [University-level general biology textbook published in 2006]

Lewis, R., D. Gaffin, **M. Hoefnagels,** B. Parker. 2004. *Life*, 5th edition. McGraw-Hill Corporation. (University-level general biology textbook published Jan. 2003).

Lewis, R., D. Gaffin, **M. Hoefnagels,** B. Parker. 2002. *Life*, 4th edition. McGraw-Hill Corporation. (University-level general biology textbook).

TEXTBOOKS IN PREPARATION

LAB MANUALS

Hoefnagels, Mariëlle and Sarah Greenwood. 2019. *Lab Manual for Nonmajors Biology*. Open source lab manual available at https://shareok.org/handle/11244/317272.

PUBLICATIONS

Submitted:

Gaffin, D. D. and **Hoefnagels, M. H.** Scorpion navigation by chemo-textural familiarity: modeling the interplay between sensory and environmental parameters. Submitted August 2025 to *PLOS Computational Biology*.

Published:

Gaffin, D. D. Sofía E. Gálvez Falcón, and **Mariëlle H. Hoefnagels.** 2025. Locomotory effect of reversibly restraining the pectines of scorpions. *Arthropoda* 3, 12. https://doi.org/10.3390/arthropoda3030012

Hoefnagels, Mariëlle, Amanda Boehm-Garcia, and Matthew S. Taylor. 2023. Art and the Plight of the Environment: Student-Created Images that Inform and Inspire. *Advances in Biology Laboratory Education.* Volume 43.

Hoefnagels, Mariëlle. 2022. The Thorny Case of the Yellow Star-Thistle. Buffalo, NY: National Center for Case Study Teaching in Science. https://www.nsta.org/ncss-case-study/thorny-issue-yellow-star-thistle

Taylor, M. S., **Hoefnagels, M. H.,** Walvoord, M. E. 2022. Deep in the Weeds of Organic Farming – An Intimate Debate. National Science Teaching Association. https://www.nsta.org/ncss-case-study/deep-weeds-organic-farming

Gaffin, D. D., Munoz, M. E., **Hoefnagels, M. H.** (2022). Evidence of learning walks related to scorpion home burrow navigation. *Journal of Experimental Biology*. 225 (12): jeb243947 [https://doi.org/10.1242/jeb.243947]

Hartnett R, and **Hoefnagels M.** 2019. Collaborative concept mapping in Google Draw. Article 33 In: McMahon K, editor. Tested studies for laboratory teaching. Volume 40. Proceedings of the 40th Conference of the Association for Biology Laboratory Education (ABLE). http://www.ableweb.org/volumes/vol-40/?art=33

Walvoord, Mark E. and **Mariëlle H. Hoefnagels.** 2018. Conversion immersion, version 3.0: Working together to create investigative labs. Article 19 in: Tested Studies for Laboratory Teaching, Volume 39. Karen McMahon, Editor. Proceedings of the 39th Workshop/Conference of the Association for Biology Laboratory Education (ABLE). June 13-17, 2017. University of Wisconsin, Madison. https://www.ableweb.org/biologylabs/wp-content/uploads/volumes/vol-39/Walvoord_19.pdf [major workshop; refereed]

Gayler, Krystal K. and **Mariëlle H. Hoefnagels.** 2017. Progressive Concept Mapping in Lab: Building Connections All Semester Long. Article 33 in: Tested Studies for Laboratory Teaching, Volume 38. Karen McMahon, Editor. Proceedings of the 38th Workshop/Conference of the Association for Biology Laboratory Education (ABLE). June 21-24, 2016. University of Houston. https://www.ableweb.org/biologylabs/wp-content/uploads/volumes/vol-38/Gayler.pdf [mini workshop; refereed]

Hoefnagels, Mariëlle H. and Mark E. Walvoord. 2016. Encouraging Reflective Learning with End-of-Lab Presentations on iPads. Article 39 in: Tested Studies for Laboratory Teaching, Volume 37. Karen McMahon, Editor. Proceedings of the 37th Workshop/Conference of the Association for Biology Laboratory Education (ABLE). June 23-27, 2015. Boston University. https://www.ableweb.org/biologylabs/wp-content/uploads/volumes/vol-37/Hoefnagels.pdf [mini workshop; refereed]

Mariëlle H. Hoefnagels and Matthew Scott Taylor. 2016. Boost your evolution IQ: An evolution misconceptions game. *CourseSource*. http://www.coursesource.org/courses/boost-your-evolution-iq-an-evolution-misconceptions-game; DOI https://doi.org/10.24918/cs.2016.12

Mariëlle H. Hoefnagels and Bonnie D. Mason. 2016. Pecan Scab. *The Plant Health Instructor.* DOI: 10.1094/PHI-I-2016-0620-01. http://www.apsnet.org/edcenter/intropp/lessons/fungi/ascomycetes/Pages/PecanScab.aspx.

Gibson, J. Phil and **Mariëlle H. Hoefnagels.** 2015. Correlations between tree thinking and acceptance of evolution in introductory biology. *Evolution: Education and Outreach.* 8:15. http://www.evolution-outreach.com/content/pdf/s12052-015-0042-7.pdf

Walvoord, Mark E. and **Mariëlle H. Hoefnagels.** 2015. The Effects of iPad Use on Student Attitude and Course Grades. Article 19 in: Tested Studies for Laboratory Teaching. Karen McMahon, Editor. Proceedings of the 36th Workshop/Conference of the Association for Biology Laboratory Education (ABLE). June 17-20, 2014. University of Oregon, Eugene. [mini workshop; refereed]. https://www.ableweb.org/biologylabs/wp-content/uploads/volumes/vol-36/Walvoord.pdf

Shik, Jonathan Z., Lauren M. Nichols, Andrea Lucky, and **Mariëlle H. Hoefnagels.** 2013. Ants as Model Organisms to Study Species Coexistence. Pages 233-239, in: Tested Studies for Laboratory Teaching. Karen McMahon, Editor. Proceedings of the 34th Workshop/Conference of the Association for Biology Laboratory Education (ABLE). June 19-22, 2012. University of North Carolina, Chapel Hill. https://www.ableweb.org/biologylabs/wp-content/uploads/volumes/vol-34/Shik.pdf [major workshop; refereed]

Walvoord, Mark E. and **Mariëlle H. Hoefnagels.** 2012. A Toolbox for Giving Your Biology Laboratory a Pedagogical Makeover. In: Tested Studies for Laboratory Teaching. Karen McMahon, Editor. Proceedings of the 33nd Workshop/Conference of the Association for Biology Laboratory Education (ABLE). June 14-18, 2011. New Mexico State University,

Las Cruces, NM. https://www.ableweb.org/biologylabs/wp-content/uploads/volumes/vol-33/Walvoord.pdf [major workshop; refereed]

Walvoord, Mark E. and **Mariëlle H. Hoefnagels.** 2011. Conversion Immersion: Converting Old and Writing New Clicker Questions for Your Biology Courses. Pages 172-183, in *Tested Studies for Laboratory Teaching*, Volume 32 (K. McMahon, Editor). Proceedings of the 32nd Conference of the Association for Biology Laboratory Education (ABLE), June 22-25, 2010. Dalhousie University, Halifax, Nova Scotia. 383 pages. https://www.ableweb.org/biologylabs/wp-content/uploads/volumes/vol-32/Walvoord.pdf [major workshop; refereed]

Hoefnagels, Mariëlle and Douglas Gaffin. 2010. Computerized Pre- and Post-lab Assignments on LON-CAPA. In: Tested Studies for Laboratory Teaching. Kari Clase, Editor. Proceedings of the 31st Workshop/Conference of the Association for Biology Laboratory Education (ABLE). June 8-13, 2009. University of Delaware, Newark. http://www.ableweb.org/biologylabs/wp-content/uploads/volumes/vol-31/27_Hoefnagels.pdf [mini workshop; refereed]

Hoefnagels, Mariëlle H. 2009. Museum ecology: using fine art to reinforce ecological concepts. In: Tested Studies for Laboratory Teaching. Kari Clase, Editor. Proceedings of the 30th Workshop/Conference of the Association for Biology Laboratory Education (ABLE). June 3-7, 2008. University of Toronto, Mississauga. https://www.ableweb.org/biologylabs/wp-content/uploads/volumes/vol-30/004.pdf [major workshop; refereed]

Hoefnagels, Mariëlle and Mark E. Walvoord. 2008. Conversion Immersion, Version 2.0: Working Together to Create Investigative Labs. In: Tested Studies for Laboratory Teaching. M. A. O'Donnell, Editor. Proceedings of the 29th Workshop/Conference of the Association for Biology Laboratory Education (ABLE). June 5-9, 2007. University of Kentucky, Lexington. https://www.ableweb.org/biologylabs/wp-content/uploads/volumes/vol-29/008.pdf [major workshop; refereed]

Walvoord, M. E, **M. H. Hoefnagels,** D. D. Gaffin, D. Long, and M. Chumchal. 2008. An analysis of Calibrated Peer Review (CPR) in a science lecture classroom. *Journal of College Science Teaching* 37(4): 66-73. [PDF]

Hoefnagels, Mariëlle. 2007. You need a teaching philosophy—so write one! Pages 333-334, in Tested Studies for Laboratory Teaching, Volume 28 (M.A. O'Donnell, Editor). Proceedings of the 28th Workshop/Conference of the Association for Biology Laboratory Education (ABLE), June 6-10, 2006, Purdue University, West Lafayette, IN. https://www.ableweb.org/biologylabs/wp-content/uploads/volumes/vol-28/22_Hoefnagels.pdf [mini workshop]

Hoefnagels, Mariëlle H and Mark E. Walvoord. 2006. Chicken Wing Microbiology: A Lesson in Food Safety and Microbiological Technique. Pages 185-200 In: Tested Studies for Laboratory Teaching. M. A. O'Donnell, Editor. Proceedings of the 27th Workshop/Conference of the Association for Biology Laboratory Education (ABLE), June 21-25, 2005, Virginia Tech University, Blacksburg. https://www.ableweb.org/biologylabs/wp-content/uploads/volumes/vol-27/10_Hoefnagels.pdf [major workshop; refereed]

Hoefnagels, Mariëlle H. and Mark E. Walvoord. 2005. Conversion Immersion: Working Together to Create Investigative Laboratories. pp. 111-120 In: Tested Studies for

Laboratory Teaching. M. A. O'Donnell, Editor. Proceedings of the 26th Workshop/Conference of the Association for Biology Laboratory Education (ABLE). June 8-11, 2004, Bowling Green State University, Bowling Green, OH. https://www.ableweb.org/biologylabs/wp-content/uploads/volumes/vol-26/06-Hoefnagels.pdf [major workshop; refereed]

Hoefnagels, Mariëlle H. 2005. Shooting for the impossible dream: a comprehensive catalog of fungal diversity (book review of *Biodiversity of Fungi: Inventory and Monitoring Methods*, edited by G. M. Mueller et al.). *Bioscience* 55(3): 280-282.

Hoefnagels, M. 2003. Using superstitions and sayings to teach experimental design. *In* Tested studies for laboratory teaching, vol. 24 (M.A. O'Donnell, Editor). Proceedings of the 24th Workshop/Conference of the Association for Biology Laboratory Education (ABLE), 11-14 June 2002. https://www.ableweb.org/biologylabs/wp-content/uploads/volumes/vol-24/mini.16.hoefnagels.pdf [mini-workshop]

Hoefnagels, M. H. and Rippel, S. A. 2003. Using superstitions and sayings to teach experimental design in beginning and advanced biology classes. *The American Biology Teacher* 65(4): 263-268.

Wallace, L., **M. Hoefnagels** and W. Ortiz. 2001. Is This Your Final Answer? *The Teaching Professor* 15(2):3.

Hoefnagels, M. H. 2001. *Symbiosis*. Pearson Custom Publishing. (Customized lab manual developed for BIOL 1005 and under continuous revision).

Hoefnagels, M. H. and R. G. Linderman. 1999. Biological suppression of seedborne *Fusarium* spp. during cold stratification of Douglas-fir seeds. *Plant Disease* 83: 845-853.

Hoefnagels, M. H. and J. W. Pscheidt. 1997. *Centaurea cyanus* (Bachelor's button) -- Downy mildew. In: J. W. Pscheidt (ed) 1997 Pacific Northwest Plant Disease Control Handbook. Oregon State University, Corvallis, OR.

Hoefnagels, M. H. 1997. Biology and control of *Fusarium* spp. on Douglas-fir (*Pseudotsuga menziesii*). Ph.D. Thesis, Oregon State University, Corvallis.

Linderman, R. G. and **M. Hoefnagels.** 1993. Controlling root pathogens with mycorrhizal fungi and beneficial bacteria. p. 132-135 In: Landis, T. (tech. coord.) Proc. Western Forest Nursery Association Meeting, 14-18 Sept. 1992, Fallen Leaf Lake, CA. U. S. Department of Agriculture Gen. Tech. Rep. RM-211. Rocky Mountain Forest and Range Experiment Station, Fort Collins, CO.

Hoefnagels, M. H., S. W. Broome and S. R. Shafer. 1993. Vesicular-arbuscular (VA) mycorrhizae in salt marshes in North Carolina. *Estuaries* 16: 844-848.

Hoefnagels, M. H. 1991. Vesicular-arbuscular mycorrhizae in North Carolina salt marshes. M.S. Thesis, North Carolina State University, Raleigh.

Posters and Abstracts

Gaffin, Douglas D. and **Mariëlle H. Hoefnagels.** 2025. Navigtion by déjà goûté: how scorpions find their way home. American Arachnological Society conference, June 15-18, 2025. Golden, CO. [Poster]

Gaffin, Douglas D., Sofía E. Gálvez Falcón, and **Mariëlle H. Hoefnagels.** 2025. Locomotory effect of reversibly restraining the pectines of scorpions. American Arachnological Society conference, June 15-18, 2025. Golden, CO. [Poster]

Gibson, J. Philip and **Mariëlle Hoefnagels.** 2011. Tree-Thinking In Introductory Biology Education. CCLI-TUES Conference, January 26-28, 2011. Washington, DC. [Poster]

Gibson, J.P. and **M. H. Hoefnagels.** 2011. A Tree-Thinking Curriculum for Introductory Biology. Evolution 2011. June 17 –22, 2011. Norman, Oklahoma.

Gibson, J. Philip and **Mariëlle Hoefnagels.** 2011. Tree-Thinking In Introductory Biology Education. Tree-Thinking in Introductory Biology Evolution Education. Meeting of the Botanical Society of America. July 9-13, 2011. St. Louis, Missouri. [Poster]

Jones, J. M. , J. T. Cooper, J. P. Gibson, and **M. H. Hoefnagels.** Pedagogy workshop enhances graduate students' teaching effectiveness of evolutionary and phylogenetic concepts. Annual Meeting of the Botanical Society of America. July 31 - August 4, 2010. Providence, Rhode Island. [Poster]

Gibson, J. P. and **M. H. Hoefnagels.** A Tree-thinking Approach in Introductory Biology: Germination of the Idea. Annual Meeting of the Botanical Society of America. July 31 - August 4, 2010. Providence, Rhode Island. [Abstract]

Yadon, C., L. Devenport, and **M. Hoefnagels.** 2004. Why least chipmunks (*Tamias minimus*) like moldy seeds: an investigation of reciprocal benefits. Oklahoma Psychological Society, Edmond, OK. 16 April 2004. [Poster]

Hoefnagels, M. H. 2001. Case study in biology education: an ongoing search for "real science" in non-majors labs. American Phytopathological Society North Central Division, Manhattan, KS 19-21 June 2001. [Poster]

Wan, S., Luo, Y., Wallace, L., Belay, A., Hui, D., Kores, P., Krumholz, L. R., and **Hoefnagels, M**. 2000. Warming and clipping effects on tallgrass prairie: an experimental study. Ecological Society of America, Snowbird, UT 8 August 2000. [Poster]

Hoefnagels, M. H. and R. G. Linderman. 1996. Recovery of *Fusarium* spp. from Douglas-fir seeds. Phytopathol. 86: S65. [Abstract]

Hoefnagels, M. H. and R. G. Linderman. 1994. Evaluation of the antagonistic potential of cultivated and uncultivated nursery soils against the Fusarium root rot pathogen of conifer seedlings. Phytopathol. 84: 1137. [Abstract]

Hoefnagels, M. H. and R. G. Linderman. 1993. Research proposal: biological control of root diseases of Douglas-fir seedlings. p. 98 In: Proceedings of Graduate Congress 93, 25 April 1993, Oregon State University, Corvallis, OR [Abstract]

Hoefnagels, M. H., S. R. Shafer and S. W. Broome. 1991. The occurrence of endomycorrhizal fungi with *Spartina patens* and *S. alterniflora* collected from salt marshes in North Carolina. Wetland Biogeochemistry Symposium, 11-13 Feb. 1991, Louisiana State University, Baton Rouge, LA [Abstract]

Websites

Hoefnagels, Mariëlle. mariellehoefnagels.com

Hoefnagels, Mariëlle. Teaching Nonmajors Biology blog. nonmajorsbiology.wordpress.com/

Other (non-peer-reviewed) publications

Hoefnagels, Mariëlle and Matthew Taylor **(uncredited).** 2021. Lead author on two e-book modules intended to help introductory biology students understand why biology matters. The

topics of the two modules were (1) organic vs. conventional agriculture; (2) diversity of life in your home.

Hoefnagels, Mariëlle. 2020. The power of systematic checklists: Saving time, uncovering Easter eggs, and preventing overload. Article for The Academic Author, the Text and Academic Authors Association newsletter

Hoefnagels, Mariëlle. 2020. Tip #21: Keep a detailed timesheet. *In:* Guide to Making Time to Write. Text and Academic Authors Association.

Hoefnagels, Mariëlle and Matthew Taylor **(uncredited).** 2019. Lead author on four e-book modules intended to help introductory biology students understand why biology matters. The topics of the four modules were (1) Evaluating scientific claims; (2) Chemistry of chocolate; (3) Harmful algae blooms; (4) Physiology of running a marathon.

Hoefnagels, Mariëlle. Fall 2002-Fall 2009. Wrote a total of 11 articles for *Labstracts*, the online newsletter for the Association for Biology Laboratory Education. URLs available upon request.

Hoefnagels, Mariëlle. Summer 2009. Faculty profile, Bing Zhang. OU Zoology newsletter. http://zoology.ou.edu/pdf_documents/Newsletter/Zoology%20Newsletter%20Summer%202009.pdf

Hoefnagels, Mariëlle. 2007. Clicker Madness. Article for The Legacy, the Botany-Microbiology newsletter. URL http://www.ou.edu/cas/botany-micro/legacy4.pdf

PHOTOGRAPHS PUBLISHED

- McGraw-Hill relevancy modules: Holiday cactus, fertilizer/herbicide store display
- Textbooks: Domed Galapagos island tortoise, hot springs in Iceland, whisk fern, tendril
- Journal articles: Scorpion pectines (BioRXiv, PLOS Comp Bio)

INVITED TALKS

2023	McGraw-Hill symposium, Miami, FL (Core content vs. connections: Working toward the right balance for your class)
	Texas Community College Teachers Association, Houston, TX (Scientific literacy activities for nonmajors biology)
2022	McGraw-Hill webinar (Developing Scientific Literacy Skills in Nonmajors Biology Students) – online adaptation of the face-to-face presentation from TCCTA
	Coffee with the Collection (Fred Jones Jr. Museum of Art), panel member on BIOL 1005 collaboration with FJJMA
2020	McGraw-Hill symposium, San Antonio, TX (Mindset: Why it matters and what to do about it)
2019	McGraw-Hill webinar (Show them the way: fostering a growth mindset in your students) – online adaptation of the face-to-face presentation from TCCTA
	Texas Community College Teachers Association, San Antonio, TX (Show them the way: fostering a growth mindset in your students)
2018	Presentation, Wake Tech College, Raleigh, NC (Active learning sprinkles on the growth mindset cupcake)

McGraw-Hill symposium, New Orleans, LA (Sure, student mindsets matter: But what can we do about it?)

2017 University of Oklahoma Plant Biology department seminar series

University of Oklahoma Biology department seminar series

McGraw-Hill webinar ("How does this all relate? Putting the pieces of biology together through concept mapping"), delivered twice

McGraw-Hill webinar ("I'm just not good at science": Cultivating a growth mindset in nonmajors biology)

Presentation, Texas State University, San Marcos, TX (Book preview)

2015 Hobart Means Lecture Series. Rose State College, Midwest City, OK (Boost your evolution IQ: Think like an expert and win!)

Featured workshop presenter (two workshops). Tulsa Community College, OK. (Understanding Evolution: Identifying and Overcoming Student Misconceptions).

2014 Panelist for discussion on student engagement. Texas Community College Teachers Association, San Antonio, TX.

McGraw-Hill Digital Prep Camp, Dubuque, IA (Tools for Student Engagement, Inside and Outside of Class)

2013 Featured Speaker. Bringing Vision and Change to TCC. Tulsa Community College, OK (via Skype from Brighton, UK)

University of Oklahoma Plant Biology department seminar series

McGraw-Hill webinar (Integrating Vision and Change into Introductory Biology Classes)

Presentation, Amarillo College, Amarillo, TX (Book Preview Plus a Peek into My Class)

McGraw-Hill webinar (Using Digital Tools to Encourage Independent Learning)

2012 NABT Faculty Professional Development Summit. Moving from Vision to Change: 21st Century Transformation of the Undergraduate Biology Classroom. National Association of Biology Teachers, Dallas, TX (Feel the Fear and Do It Anyway)

University of Oklahoma Molecular/Cellular/Developmental Biology seminar series

Seminar, Pellissippi State Community College, Knoxville, TN (Biology: An Unexpected Journey)

Introductory Biology Project Summer 2012 Conference: Implementing Vision and Change at the Introductory Biology Level. Washington, DC (Studying for the Sciences) [with Doug Gaffin]

Course Redesign and Pedagogy Workshop, STEM Faculty Summer Institute, North Carolina Central University (Biology Course Redesign: Boosting Student Achievement and Engagement) [with Matthew Taylor]

2010 National Association of Biology Teachers, Minneapolis, MN (Integration of Technology Into the Introductory Biology Classroom; invited by Four-Year College Section of NABT) [with Michael Windelspecht]

	National Association of Biology Teachers, Minneapolis, MN (Tree Thinking in Introductory Biology) [with Phil Gibson]
	Native Plant Society, Norman, OK (The Fungi: An Overview of the Forgotten Kingdom)
	Oklahoma Master Gardeners, Norman, OK (The Fungi: An Overview of the Forgotten Kingdom)
2009	Teaching Scholars Initiative Colloquium (with Douglas Gaffin) (Score One for the Faculty: An Online Tool That Actually Makes Students Learn), University of Oklahoma
	McGraw-Hill Biology Media Conference, Dubuque, Iowa (Computerized Homework Assignments on LON-CAPA)
	McGraw-Hill Introductory Biology Symposium, Napa, CA (LON-CAPA: It's great … It's awful …and it's definitely UGLY)
2008	Teaching Scholars Initiative Colloquium (with Nicole Judice Campbell) (Discover Clickers (Your Class Will Never Be the Same)), University of Oklahoma
	Oklahoma Association of Community Colleges, Midwest City, OK (Get Into Your Students' Heads: Use Technology to Boost Learning)
	McGraw Hill General Biology Symposia in Santa Fe (NM) and Tucson (AZ); led group discussions on classroom technology
2007	National Association of Biology Teachers, Atlanta, GA (Using Multiple Technologies to Encourage Active Learning in a Non-Majors Biology Course; invited by Four-Year College Section of NABT)
	University of Oklahoma Zoology Department seminar (Classroom Technology for Everyone)
	University of Oklahoma Advising Workshop (panelist for session on online teaching)
	University of Oklahoma Botany-Microbiology Department Centennial Celebration (Keeping the Classroom Clicking: An Innovative Way to Reach Students)
	University of Oklahoma Program for Instructional Innovation workshop (Powerful PowerPoint)
2006	Teaching Scholars Initiative Colloquium (Desperate Teachers: Sexing Up Your Teaching Philosophy), University of Oklahoma
2000-2007	College of Engineering and University College Freshman seminar for Women in Science and Engineering, University of Oklahoma (annually in fall)
2004	Teaching Scholars Initiative Colloquium (Calibrated Peer Review), University of Oklahoma
2003	Texas Community College Teachers Association, Austin, TX
	McGraw-Hill sales meeting, New Orleans, LA; explained use of PowerPoint in lectures
	Talk on fungi to Norman North High School ecology club
2002	University of Oklahoma Botany Department seminar series

	McGraw Hill General Biology Symposia in Austin (TX), Tallahassee (FL), Anaheim (CA), Key West (FL); led group discussions
2001	Sam Noble Oklahoma Museum of Natural History, Botany lecture series
	McGraw Hill General Biology Symposium IV. Key West, FL.
1999	University of Oklahoma Botany-Microbiology seminar series
1998	Association for Women in Science, University of Oklahoma, Norman
1997	University of Oklahoma Zoology Department seminar series
	University of Oklahoma Botany Department seminar series

OTHER WORKSHOP, PAPER, AND POSTER PRESENTATIONS

2022	Association for Biology Laboratory Education, University of Victoria (major workshop entitled Art and the Plight of the Environment: Student-Created Images that Inform and Inspire) [with Amanda Boehm-Garcia and Matthew S. Taylor]
2022	Text and Academic Authors Association online meeting (panel discussion entitled Time to Slow Down: Finding an Offramp from the Authoring Freeway) [with Donna Battista, Robert Christopherson, Sue Ford, and Ken Saladin]
2018	Association for Biology Laboratory Education, Ohio State University (mini workshop entitled Collaborative Concept Mapping in Google Draw) [with Rachel Hartnett]
2017	Association for Biology Laboratory Education, University of Wisconsin (major workshop entitled Conversion Immersion 3.0: Working Together to Create Investigative Labs) [with Mark Walvoord]
	Developed and presented case study on flowering plant reproduction at the Case Studies in Science Summer Workshop, University at Buffalo, Buffalo, NY
2016	Academic Technology Expo (Atoms to Ecology: A Semester-Long Concept Mapping Project in Biology), University of Oklahoma [with Krystal Gayler]
	Association for Biology Laboratory Education, University of Houston (mini workshop entitled Progressive Concept Mapping in Lab: Building Connections All Semester Long) [with Krystal Gayler]
2015	Association for Biology Laboratory Education, Boston University (mini workshop entitled "Encouraging Reflective Learning with End-of-Lab Presentations on iPads") [with Mark Walvoord]
	Association for Biology Laboratory Education, regional meeting, University of California at Irvine (workshop entitled "Museum ecology: using fine art to reinforce ecological concepts")
2014	Association for Biology Laboratory Education, University of Oregon (major workshop entitled "Using iPads to Enhance Students' Presentation Skills and Attitudes Towards Biology") [with Mark Walvoord]

2012	Association for Biology Laboratory Education, University of North Carolina – Chapel Hill (major workshop entitled "Ants as model organisms to study species coexistence") [with Jonathan Z. Shik and Lauren M. Nichols]
2011	Association for Biology Laboratory Education, New Mexico State University, Las Cruces, NM (major workshop entitled "A Toolbox for Giving Your Biology Laboratory a Pedagogical Makeover") [with Mark Walvoord]
2010	Association for Biology Laboratory Education, Dalhousie University, Halifax, Nova Scotia (major workshop entitled "Conversion Immersion: Clicker Question edition") [with Mark Walvoord]
2009	Association for Biology Laboratory Education, University of Delaware, Newark (mini workshop entitled "Computerized pre- and post-lab assignments on LON-CAPA")
2008	Association for Biology Laboratory Education, University of Toronto, Mississauga (major workshop entitled "Museum Ecology: Using Fine Art to Reinforce Ecological Concepts")
2007	Association for Biology Laboratory Education, University of Kentucky, Lexington (major workshop entitled "Conversion Immersion, Version 2.0: Working Together to Create Investigative Labs") [with Mark Walvoord]
2006	Teaching Scholars Initiative Colloquium (Desperate Teachers: Sexing Up Your Teaching Philosophy), University of Oklahoma
	Association of Biology Laboratory Education, West Lafayette, IN (mini workshop entitled "You Need a Teaching Philosophy – So Write One!")
	National Association of Biology Teachers, Albuquerque, NM (hands-on workshop entitled "Juicy Secrets for Spicing Up Your Teaching Philosophy")
2005	Association of Biology Laboratory Education, Blacksburg, VA (major workshop entitled "Chicken Wing Microbiology") [with Mark Walvoord]
2004	Association of Biology Laboratory Education, Bowling Green, OH (major workshop entitled "Conversion Immersion: Working Together to Create Investigative Laboratories") [with Mark Walvoord]
	Workshops on Calibrated Peer Review for College of Arts and Sciences Teaching Scholars Initiative colloquium, CAS online course discussion group, and Instructional Development faculty discussion group
2003	Calibrated Peer Review, OU Instructional Development Program (two workshops)
2002	Association of Biology Laboratory Education, Baton Rouge, LA (mini workshop entitled "Using Superstitions and Sayings to Teach Experimental Design")
2001	American Phytopathological Society North Central Division, Manhattan, KS (poster)

1999	Oklahoma Academy of Science, Oklahoma City, OK
1996	North Willamette Research Experiment Station Nursery Day, Wilsonville, OR
	Graduate Student Conference ’96, Corvallis, OR
	Soil Fungus Conference, Troutdale, OR
	Biology Graduate Student Symposium, Newport, OR
	American Phytopathological Society Annual Meeting, Indianapolis, IN (poster)
1995	14th Nursery Pathology Workshop, Poulsbo, WA
	Graduate Student Congress '95, Corvallis, OR (poster)
1994	American Phytopathological Society Annual Meeting, Albuquerque, NM (poster)
1993	Graduate Student Congress '93, Corvallis, OR (poster)
1991	Wetlands Biogeochemistry Symposium, Baton Rouge, LA

MEDIA APPEARANCES

Fred Jones Jr. Museum of Art newsletter, BIOL 1005 student photographs in the style of Patrick Nagatani described in "Beyond the Wall" section of February 2022 newsletter: https://www.us19.list-manage.com/track/click?u=784ea0f066040acd652215f46&id=e8442b30ff&e=205369f76a.

Nature Magazine, Interviewed by reporter McKenzie Prillaman for reaction to PLoS ONE journal article about climate change coverage in general biology textbooks from 1970-2019. December 19, 2022

GRANTS AWARDED -- EXTERNAL

National Science Foundation (with Phil Gibson), January 2010 through December 2014, $149,992 [*Tree-thinking in Introductory Biology Evolution Education*]

Association for Biology Laboratory Education, Summer 2002, $1541.29 *[for purchase of electrophoresis rigs for Concepts in Biology lab]*

GRANTS AWARDED -- INTERNAL

OU Libraries Open Access Subvention Grant sponsored by OU Libraries, VPRP, Provost's Office, $1,500 [for publishing *Journal of Experimental Biology* paper]

University College Action Center grant, Fall 2019, $150 *[for Action Center supplies]*

OU Libraries Alternative Textbook Grant, Summer 2018, $2750 *[for rewriting BIOL 1005 lab manual, reducing costs for OU students]*

University College Action Center grant, Fall 2018, $150 *[for Action Center supplies and snacks]*

University College Action Center grant, Fall 2017, $257.50 *[for Action Center supplies and snacks]*

University College Action Center grant, Fall 2016, $275 *[for Action Center supplies and snacks]*

University College Action Center grant, Fall 2015, $275 *[for Action Center supplies and snacks]*

College of Arts and Sciences Instructional Technology grant, Summer 2015, $2508.15, including funding from the Department of Microbiology and Plant Biology and the Department of Biology *[for iPad sync station, apps, and dongle for BIOL 1005 lab]*

University College Action Center grant, Fall 2014, $200 *[for Action Center supplies and snacks]*

Sooner Parents Association grant, Summer 2013, $500 *[for digitizing VHS tapes to DVD]*

University College Action Center grant, Fall 2013, $420 *[for iPad apps, AirServer software, and Action Center supplies and snacks]*

University College Action Center grant, Fall 2012, $170 *[for Action Center supplies and snacks]*

Course Innovation Program, (with Doug Gaffin, Melody Brooks, Penny Hopkins, and Heather Ketchum), Spring 2012, $150,000 *[for redesign of ZOO 1114 beginning fall 2013]*

College of Arts and Sciences Instructional Computing Grant (with Doug Gaffin), Spring 2008, $2,450 *[for implementing LON-CAPA in Introductory Zoology and Concepts in Biology]*

College of Arts and Sciences Instructional Computing Grant, Fall 2002, $2,800 *[for purchase of new computer equipment for Concepts in Biology lab]*

Undergraduate Research Opportunities Program Grant (with Kassi Martens), Fall 2002, $452 *[for purchase of supplies for honors research project]*

Undergraduate Research Opportunities Program Grant (with Laura Gilley), Fall 2000, $273 *[for purchase of supplies for honors research project]*

Undergraduate Research Opportunities Program Grant (with Jamie Storm), Spring 2000, $479 *[for purchase of supplies for independent research project]*

College of Arts and Sciences Faculty Enrichment Grant, Spring 1999, $995 *[for purchase of Biolog plates for research project]*

Undergraduate Research Opportunities Program Grant (with Joy Wall), Spring 1999, $495 *[for purchase of supplies for honors research project]*

University Research Council (with Y. Luo, L. Wallace, L. Krumholz), Spring 1999, $9,995 *[to finance setup of warming plots at Kessler farm]*

College of Arts and Sciences Instructional Computing Grant, Fall 1998, $14,000 *[for purchase of computer and projection equipment for Concepts in Biology lab]*

PROFESSIONAL SOCIETY MEMBERSHIPS

Association for Biology Laboratory Education
National Association of Biology Teachers
Textbook and Academic Authors Association

MANUSCRIPT REVIEWS

2020 Oxford University Press (reviewed two chapters of *Writing in the Biological Sciences,* 2nd edition by Angelika H. Hofmann)

Princeton University Press (reviewed book proposal for Steven B. Heard's *The Scientist's Guide to Writing: How to Write More*

	Easily and Effectively throughout Your Scientific Career, 2nd edition)
2016	International Journal of STEM education
2014	CBE-Life Sciences Education
	Reviewed test items for Misconceptions-Oriented Standards-Based Assessment Resources for Teachers (MOSART) High School Life Science project
2013	Oxford University Press (reviewed two chapters of *Writing in the Biological Sciences* by Angelika H. Hofmann)
2009	CBE-Life Sciences Education
2005	Norton Publishing Co. (reviewed two chapters for Cain et al. *Discover Biology* 3rd ed.)
2004	Petroleum Research Fund
2003	Proceedings of the Oklahoma Academy of Science
	Wetlands
	Bioscience
	McGraw-Hill (reviewed and revised 12 chapters for Raven et al. *Biology* 7th ed.)
2000	Manual of Microbiological Methods, 2nd edition
	Journal of Tropical Forest Science
1999	McGraw-Hill
	National Science Foundation Division of Undergraduate Education
1998	Addison Wesley Longman
1997	Environmental Science and Technology
	Connecticut Sea Grant College Program

STUDENTS ADVISED

Graduate Student Committees

2019-2021	Montrai Spikes (Ph.D., Biology)
	Alisha DiPilla (M.S., Biology)
2015-2019	Zachary Myers (Ph.D., Plant Biology)
2014-2016	Kambridge Brown (Ph.D., Plant Biology)
2009-2011	Jessica Steer [Meador] (Ph.D., Microbiology; changed to M.S.)
2006-2007	Nydia Castaneda (Ph.D., Microbiology
2005-2010	Cody Sheik (Ph.D., Microbiology)
2003-2007	Shari Jones (Ph.D., Microbiology)
2002-2005	Bo Su (Ph.D., Botany),
2002-2004	Asfaw Tedla (M.S., Botany)
1998-2002	Shelby Mattison (M.S., Botany)

Undergraduate Honors Students

2016-2017	Sneha Sibimon (Science Education)
2002-2003	Kassi Martens Stockert (Microbiology)
2000-2001	Laura Gilley (Microbiology)
1999	Joy Wall (Microbiology)

Undergraduate Independent Study Students

2015	Bonnie Mason (Microbiology), Michelle Wood (Plant Biology)
2006	Jessica Staley (Science Education)
2005	Kristin Chappell (Science Education)
2004	Andie Nix (Science Education)
2003	Terri Turner (Microbiology)
2002	Krystal Davis, Domonique Delaney (Microbiology)
2000	Jamie Storm (Science Education)
1999	Dorothy Lambe (Microbiology)

Undergrad. Capstone (Botany/Plant Biology) or Honors Thesis (Zoology/Biology) or Senior Thesis (Microbiology) Committees

2017	Andrew Willoughby (Plant Biology)
2016	Loc Tran (Plant Biology), Holly Loeffler (Biology)
2014	Scott Schneider (Plant Biology)
2012	Jordan Chapman (Biology)
2011	Gabriel Campbell (Botany – chair), Maggie Warner (Botany), Nate Weygant (Botany), Ryan Makipour (Microbiology)
2010	Shannon Phillips (Botany)
2009	Valarie McMurtry (Botany)
2008	Lupita Borja (Botany)
2006	Barbara Shove (Botany), Martin Villafana (Microbiology), Justin Nalagan (Zoology), Trang Nguyen (Zoology)
2005	Brooke Estevez (Zoology)
2002	Luke Farber, Amy Ramsey (Botany)
2001	Christopher Bickford (Botany), Alexander Lau (Zoology)
1999	Paige Pierce, Amy Howard (Botany)

Academic Advisement

2013-2017	Academic advisor for approximately 2-5 plant biology undergraduates annually (number varies by year)
2014	Participated in biology block advising
1997-2013	Academic advisor for approximately 10-30 microbiology undergraduates annually (number varied by year)

SERVICE

Service to Professional Societies

2017-present	Accounting Manager (reelected, 4-year term in 2017 and 2021), Association for Biology Laboratory Education (name of position changed from Assistant Treasurer in 2020)
2022	Expert panelist, NSF project: Operationalizing Research Around College Lab Experiences (ORACLE). Two rounds of questions and an online discussion round in between.
2019-2020	Judge, Textbook and Academic Authors Association textbook competition

2015-2017	Assistant Treasurer (elected, 2-year term), Association for Biology Laboratory Education
2015-2017	Judge, Textbook and Academic Authors Association textbook competition
2008-2012	Member-at-Large (elected), Association for Biology Laboratory Education
2006-2007	Managing Editor and Chair of Website Committee, Association for Biology Laboratory Education
2005	Member, Editorial Review Board, Tested Studies for Laboratory Teaching (Association for Biology Laboratory Education)
2004	Helped organize the 2004 American Arachnology Society meeting hosted at the University of Oklahoma
2003-2006	Editor, *Labstracts* (online newsletter of Association for Biology Laboratory Education)

University and Departmental Committees

2020	Undergraduate Research Day (online) consulting committee
2019	Biology faculty awards committee
2019	Undergraduate Research Day consulting committee (and judge)
2018	Goldwater Scholars selection committee
2017-2018	Microbiology and Plant Biology faculty awards committee
	Biology ad hoc committee on introductory biology courses
2016-2017	Faculty Lead Team, ONE.ou.edu
2016	Goldwater Scholars selection committee
2015-2020	Biology undergraduate studies committee
2015-2018	Plant Biology curriculum committee
2015-2017	College of Arts and Sciences nominations committee
2014-2015	Microbiology/Plant Biology undergraduate assessment committee
	Microbiology/Plant Biology undergraduate laboratory committee
	Faculty advisor, Run OKU
2014	Consultant to Goldwater Scholars selection committee
2013-2015	College of Arts and Sciences scholarship selection committees (Price and Sturgis)
	Biology department Adams scholarship committee
2013-2014	College of Arts and Sciences Advisory Committee on Women's Issues
2012-2017	English Assessment Program proficiency exams (TEACH tests)
2012-2019	Chair, Pre-medical Interview Committee, University of Oklahoma
2012	Goldwater Scholars selection committee
2010-2020	Chair, Microbiology/Plant Biology department scholarship committee
	Chair, College of Arts and Sciences Academic Appeals board
2008	University Libraries Textbooks on Reserve Ad Hoc Review Committee
	Goldwater Scholars selection committee
	Zoology webpage and publicity committee
2007-2010	College of Arts and Sciences Advisory Committee on Women's Issues
2007-2008	Secretary, Fred Jones Jr. Museum of Art Association Board

2006-2007	Member, Fred Jones Jr. Museum of Art Association Board
	Botany-Microbiology department search committee for microbial ecologist
2005-2008	Provost's Advisory Committee on Women's Issues (co-chair 2006-2007)
	Teaching Scholars Initiative steering committee
	Botany-Microbiology ambassador to Program for Instructional Innovation
	Zoology department ad hoc committee on evaluating teaching
2005-2007	Chair, committee for renovation of new teaching lab (GLCH 223)
2005-2006	Co-chair, search committee for introductory biology professor
2004-2005	Botany-Microbiology department search committee for microbial physiologist
2003-2009	Botany-Microbiology department budget committee
2003-2010	Botany-Microbiology department scholarship committee
2003	Chair, Zoology department name committee
	Provost's ad hoc committee on renewable term faculty representation on Faculty Senate
2002-2010	Chair, College of Arts and Sciences Academic Appeals and Misconduct Committee
	Chair, Pre-medical Interview Committee, University of Oklahoma
	English Assessment Program proficiency exams (TEACH tests)
2002-2003	Information Technology Council subcommittee on teaching needs
	Information Technology Course Management Systems consulting group
	Zoology department Undergraduate Studies Committee
2002	Botany-Microbiology department search committee for molecular ecologist
2001-2005	Goldwater Scholars selection committee
2001-2003	Henderson scholarship selection committee
2001-2002	College of Arts and Sciences Academic Appeals and Misconduct Committee
2001-2002	Intervention Strategies Subcommittee of Graduation Rate Task Force
2000-2001	Zoology-Botany-Microbiology general biology talks
2000	Selection Committee for President's Award for Outstanding Sophomores
1999-2001	Zoology Dept. Adams Scholarship Committee
1998-2001	University Honors Council
1998-1999	Botany-Microbiology subcommittee, review of departmental operations
1997-2001	Pre-medical Committee Interview member, University of Oklahoma

Other University and Community Service

2022	Multiple presentations to students on study skills for science classes and scientific writing

2021	Multiple presentations to students on study skills for science classes and scientific writing
	Attended National Merit Scholar recruitment dinner
2020	Honors College Reading Group co-leader (*Boom Town*)
2019	Multiple presentations to students/faculty/general public on study skills for science classes, teaching, and scientific writing
	Presentations to Graduate Teaching Academy (Developing Your Teaching Philosophy)
	Honors College Reading Group co-leader (*The Essex Serpent*)
	Judge, 3-Minute Thesis Competition (preliminary round)
2018	Faculty host and lecturer, OU Alumni Association trip to Machu Picchu and Galapagos
	Multiple presentations to students/faculty/general public on study skills for science classes and scientific writing
	Presentations to Graduate Teaching Academy (Developing Your Teaching Philosophy)
	Honors College Reading Group co-leader (*Factfulness*)
	Attended booth at OU's Majors/Minors fair for Microbiology/Plant Biology
2017	Science Olympiad volunteer (optics and wind power); two competitions
	Multiple presentations to students/faculty/general public on study skills for science classes and scientific writing
	Presentations to Graduate Teaching Academy (Developing Your Teaching Philosophy)
2016	Multiple presentations to students/faculty/general public on study skills for science classes, Action Centers, scorpions, and scientific writing
	Presentations to Graduate Teaching Academy (Developing Your Teaching Philosophy)
2015	Faculty Leader (one of four), President's Leadership Class trip to Italy
	Administered Dutch equivalency test
	Multiple presentations to students/faculty/general public on study skills for science classes, Action Centers, scorpions, and scientific writing
	Presentations to Graduate Teaching Academy (Developing Your Teaching Philosophy)
2014	Multiple presentations to student/faculty groups on study skills for science classes, Action Centers, and textbook authoring
	Camp Crimson namesake (with Doug Gaffin)
2013	Administered Dutch equivalency test
	Interdisciplinary breakout session (Active Learning Strategies), campus-wide Teaching Assistant Orientation
	Guest presenter (Studying for the Sciences), University College tutor training conference

	Multiple presentations to student groups on study skills for science classes
2012	Seminar on study skills for science classes
	Guest presenter (Using Textbooks in Tutoring), University College tutor training conference
	Presentations to Graduate Teaching Academy (Developing Your Teaching Philosophy, Teaching Students How to Learn)
2011	Numerous seminars on study skills for science classes
	Guest lecturer (Faculty Relations), University College UC Action PLA training conference
	Attended President's Community Scholars annual fall retreat (overnight)
	Guest lecturer (LON-CAPA), Learning Teaching Writing Symposium
	Presentations to Graduate Teaching Academy (Teaching Students How to Learn in Classes of All Sizes; Developing Your Teaching Philosophy)
	Interdisciplinary breakout session (Engaging Assignment Strategies), campus-wide Teaching Assistant Orientation
	Botany-Microbiology Department representative to Oklahoma State Regents for Higher Education Course Equivalency Project
2010	Numerous seminars on study skills for science classes
	Presentation to Graduate Teaching Academy (Challenges of Teaching Large Classes)
	Interdisciplinary breakout session (Engaging Assignment Strategies), campus-wide Teaching Assistant Orientation
2009	Camp Crimson Namesake, Sooner Session (July 22-25)
	Seminars on study skills for science classes
	Developed interdisciplinary breakout session (Engaging Assignment Strategies), campus-wide Teaching Assistant Orientation
2007	Homecoming sidewalk chalking competition judge
2006	Judge, OU Undergraduate Research Day
2005	Judge, Norman High School science fair
	Interviewed for promotional video for Prospective Student Services
	Attended dinner with Arts and Sciences Leadership Scholars
2004-2005	Adopt-a-Faculty: Walker President's Council
	Homecoming Walkabout Judge
	Residence Hall House Calls
2004	Judge, McKinley Elementary School Invention Fair
2003-2007	University of Oklahoma Freshman Mentoring Program
	Multiple presentations and seminars on study skills for science classes
2003-2006	Led sessions on lecturing for OU All-TA training program
2003-2004	New Sooner Orientation presentation on large classes
2002-2010	Co-faculty advisor for OU Botanical Society
2001	Lecturette, Adams Center Faculty-in-Residence
	Organized activity for Take Our Daughters to Work Day

	Exhibit about fungi for Jefferson Elem. School Outdoor Classroom Day
	Field trip with zoology club to Wichita Mountains
2000-2001	Adopt-a-Faculty: Walker 10E, Cate Oliver
	University of Oklahoma Freshman Mentoring Program
1999-2002	Zoology Dept. publicity coordinator
1999	Judge, science fair at All Saints Catholic Church
1998-2002	Phillips Scholars Mentor, University of Oklahoma
1998-1999	Faculty advisor for student chapter of Amnesty International
1998	Adapted advising database (Access) for Dept. of Bot-Micro., University of Oklahoma
	Judge, Graduate Student Research Competition, Univ. Oklahoma
1997-2000	Faculty-in-Residence, Couch Center, University of Oklahoma
1997	Judged artwork for University of Oklahoma architecture competition
1997	Faculty marshal, University of Oklahoma and/or College of Arts & Sciences commencement ceremonies (periodically, beginning 1997)