**Curriculum Vitae, Erica T. Cline, Ph.D.**

**Education and Training**

University of Puget Sound, magna cum laude Biology B. Sci., 1992

University of Leiden, the Netherlands, cum laude Cell Biology M. Sci, 1994

University of Washington, Seattle Forest Resources Ph.D., 2004

**Employment History**

**Associate Professor, 2012-present Associate Dean of Academic Student Support and Success, July 2017-Sept 2019**

**Chair, Sciences and Mathematics Sept 2013-Dec 2016**

**Assistant Professor 2006 to 2012**

Interdisciplinary Arts & Sciences,

Sciences and Mathematics,

University of Washington, Tacoma

Research areas: Ecology of mycorrhizal fungi and their role in restoration; effects of biosolids and metals contamination within forests and in edible mushrooms; salmon market substitution, STEM education research, equity and inclusion in STEM.

**Adjunct appointment in the School of Forest Resources,**

University of Washington Seattle 2008 to present

**Post-Doctoral Researcher,**

Systematic Botany and Mycology Lab,

USDA Agricultural Research Service,

Beltsville, MD Feb 2005-Aug 2006

Research area: Systematics of plant pathogenic fungi

**Research and Teaching Assistant,**

College of Forest Resources and Biology Program

University of Washington Seattle Periodic, 1994-2002

Dissertation title: Mycorrhizal fungus communities of Douglas-fir (*Pseudotsuga menziesii*) seedlings and trees: effects of proximity to residual trees

# Scholarship

**Peer-Reviewed Publications in preparation**

Sesko, A. K., Cilli-Turner, E., Cline, E., et al. Increasing underrepresented students’ STEM identity and participation: S-STEM peer and faculty mentoring and support. To be submitted to the Journal of Diversity in Higher Education.

Gawel, J.E., **Cline, E.,** Hunter, S., Posa, R., Ferro, A. Long-term changes in metal deposition and metal stress in red spruce along elevational and longitudinal transects in the Appalachian forests of New England, USA. To be submitted to Environmental Pollution.

Mendrey, K., Brown, S., **Cline, E.,** Gawel, J. Are phytochelatins an appropriate indicator of metal stress in Douglas-fir? Results of field and greenhouse trials. To be submitted to Environmental Pollution.

Trudell, S.A., Matheny, P.B., Parker, A.D., Gordon, M., Dougil, D.B.\*, **Cline, E.T.** Diversity in the genus Tricholoma in the Pacific Northwest region of North America. To be submitted to Mycologia.

**Peer-Reviewed Publications**

Cline, E.T., Bjӧrling, E., Cilli-Turner, E., Dinglasan-Panlilio, J., Heller, J., Kolodziej, E., Kuo, A.C., Nahmani, N., Sesko, A., Wenderoth, M.P., Yeung, K.Y. (in press). Promoting Academic Success of Economically Disadvantaged, STEM-Interested, First- and Second-Year Undergraduate Students via the ACCESS in STEM Program at University of Washington Tacoma,” Understanding Interventions Journal.

Cooper, K.M., Auerbach, A.J., Bader, J.D., Beadles-Bohling, A.S., Brashears, J.A. **Cline, E.T.,** Eddy, S.L., Elliott, D.B., Farley, E., Fuselier, L., Heinz, H.M., Irving, M., Josek, T., Lane, A..K., Lo, S.M., Maloy, J., Nugent, M., Offerdahl, E., Palacios-Moreno, J., Ramos, J., Reid, J.W., Sparks, R.A., Waring, A.L., Wilton, M., Gormally, C., and Brownell, S.E. 2020. Fourteen recommendations to create a more inclusive environment for LGBTQ+ individuals in academic biology. CBE Life Sciences Education, 19(3):1-18. 2020.

Bauman, J.M., Adamson, J., Brisbin, R., **Cline, E.T.,** and Keiffer, C. 2017. The interactions between soil metals and ectomycorrhizal fungi associated with American chestnut hybrids used as reclamation trees on formerly coal mined landscapes. International Journal of Agronomy. Published online: Volume 2017, Article ID 9731212, 1-12. https://doi.org/10.1155/2017/9731212

Galligan, K.G., **Cline, E.T.,** Bakker, J.D., Ettl, G.J. 2017. Ectomycorrhizal community composition and structure of a mature red alder (*Alnus rubra*) stand. Fungal Ecology 27: 47-58.

Bauman, J.M., Brisbin, R., Gilland, K., and **Cline, E.T.** 2016. Metals in soil and American chestnut tissue in experimental soil treatments plots on a coal mine reclaimed site. Journal of the American Society of Mining and Reclamation 5(2): 1-18.

**Cline, E.T.** 2012.Marketplace substitution of Atlantic salmon for Pacific salmon in Washington State detected by DNA barcoding. Food Research International 45: 388–393.

**Cline, E.T.,** Elliott, M.2012.Community service learning—The *Phytophthora ramorum* (sudden oak death) stream monitoring project. American Biology Teacher 74(3), 191-192.

**Cline, E.T**., Nguyen, Q.T.N., Rollins, L., and Gawel, J.E., 2012. Metal stress and decreased tree growth in response to biosolids application in greenhouse seedlings and in situ Douglas-fir stands. Environmental Pollution 160: 139-144.

**Cline, E.T.**, Gogarten, J. 2012. Using phylogenetic analysis to detect market substitution of Atlantic salmon for Pacific salmon: an introductory biology laboratory experiment. American Biology Teacher 74 (4):244-249.

Banks, J.E., **Cline, E.T.,** Castro, S., Urena, N., Nichols, K., Hannon, L., Singer, R., and Chandler, M. 2011. Effects of synthetic fertilizer on coffee yields and ecosystem services: soil glomalin and parasitoids in a Costa Rican coffee agroecosystem. The Journal of Crop Improvement 25: 650-663.

\*I performed the lab and data analyses for glomalin and wrote the glomalin half of this paper.

Hernández, J.R. & **E.T. Cline**. 2010. *Goplana dioscoreae-alatae* nom. nov. and other *Uredinales* on *Dioscoreaceae* : nomenclature and taxonomy. Mycotaxon 111: 263–268.

\*I developed the concept, Jose and I contributed equally to the analysis and writing of this paper, and I was the corresponding author.

\*Krupinsky, J.M. and **Cline, E.T.** 2010a*.* *Ascochyta* leaf spot. Compendium of Wheat Diseases and Pests, APS Press, St. Paul, MN, p. 18-19.

\*Krupinsky, J.M. and **Cline, E.T**. 2010b. *Phoma* leaf spot. Compendium of Wheat Diseases and Pests, APS Press, St. Paul, MN, p. 42.

\*Krupinsky, J.M. and **Cline, E.T**. 2010c. *Platyspora* leaf spot. Compendium of Wheat Diseases and Pests, APS Press, St. Paul, MN, p. 42.

\*For all three of these short papers, I wrote the nomenclature and taxonomy sections of the papers.

Park, J., Park, B., Veeraraghavan, N., et al. (**E. Cline, 22nd author**).  2008. Phytophthora Database: A cyberinfrastructure supporting the identification and monitoring of Phytophthora.  Plant Disease 92(6)966-972.

\*My nomenclature data were utilized for this collaborative database.

**Cline, E.T.,** Farr, D.F., and Rossman, A.Y. 2008. Synopsis of *Phytophthora* with emphasis on species not in the United States. Online. Plant Health Progress, 12 pp.

**Cline, E.T.,** Vinyard, B., and Edmonds, R. 2007. Spatial effects of retention trees on mycorrhizas and biomass of Douglas-fir seedlings. Canadian Journal of Forest Research 37:430-438.

**Cline, E.T.** and Rossman, A.Y. 2006. *Septoria malagutii* sp. nov., cause of annular leaf spot of potato. Mycotaxon 98:125-135.

**Cline, E. T.** and Farr, D. F. 2006. Synopsis of fungi listed as regulated plant pests by the USDA Animal and Plant Health Inspection Service: Notes on nomenclature, disease, plant hosts and geographic distribution. Online. Plant Health Progress, 63 pp*.*

**Cline, E. T.,** Ammirati, J. and Edmonds, R. 2005. Does proximity to mature trees influence ectomycorrhizal fungus communities of Douglas-fir seedlings? New Phytologist 166(3) 993-1009.

**Cline, E. T.** 2004. Mycorrhizal fungus communities of Douglas-fir (*Pseudotsuga menziesii*) seedlings and trees: effects of proximity to residual trees. PhD thesis. College of Forest Resources, University of Washington. Seattle.

Trudell, S., **E. Cline**, Elliott, M., and Edmonds, R. 1999. Possible role of mycorrhizas in resistance to decline in *Arbutus menziesii*. In: Adams, A.B. and C. Hamilton (eds.), The Decline of Pacific Madrone (*Arbutus menziesii* Pursh): Current Theory and Research Directions. The Pollard Group, Tacoma WA USA, pp. 123-130.

\*I contributed my research findings and approximately 1/3 of the writing for this paper.

**Book Reviews and Non-Peer Reviewed Articles**

**Cline, E.** 2008a. Review of Exeter, R., Norvell, L., and Cazares, E. 2006. *Ramaria* of the Pacific Northwestern United States. USDI BLM/OR/WA/PT-06/050-1792. In: Inoculum (supplement to Mycologia) 59(5):26-27.

**Cline, E.** 2008b. Review of Pilz et al. 2007. Ecology and management of morels harvested from the forests of western North America. General Technical Report PNW-GTR-710. In: Inoculum (supplement to Mycologia) 59(5):24.

\*Review translated into Spanish in Revista Fitotecnia Mexicana, 2008.

**Cline, E.** 2006. Review of Adams, G.C., Wingfield, M.J, Common, M.J., and Roux, J. 2005. Phylogenetic relationships and morphology of *Cytospora* species and related teleomorphs (Ascomycota, Diaporthales, Valsaceae) from *Eucalyptus*. Stud. Mycol. 52: 1-147. In: Inoculum (supplement to Mycologia) 57(6): 12.

**Cline, E.** 2005. Implications of changes to Article 59 of the International Code of Botanical Nomenclature Enacted at the Vienna Congress 2005. Inoculum (supplement to Mycologia) 56(6):3-5.

**Grants Received**

SIAS Research and Teaching Award, December 2017, for “STEM Mentoring Pilot Project: Race and Equity Achieving Change (REACH) in STEM” for $4,286.

National Science Foundation DUE S-STEM program full proposal, submitted March 2017, funded March 2018. Promoting Early Retention in STEM via the Program for Race and Equity: Achieving Change (REACH) in STEM. Cline PI; Emily Cilli-Turner, Joyce Dinglasan-Panlilio, Marc Nahmani, Mary Pat Wenderoth Co-PIs. $649,995.

iEMBER (inclusive Environments and Metrics in Biology Education Research) IDEA award, for “Effect of “Role-Playing” in Building Science Identity,” June 2017, $4000, with Heather Heinz (PI) and other collaborators.

Daniel E. Stuntz Foundation Grant, November 2016, for “Metals in edible mushrooms,” $1938, grant extension and supplement.

Daniel E. Stuntz Foundation Grant, August 2016, for “*Tricholoma* diversity in the Pacific Northwest,” $3294, grant extension and supplement.

SIAS Research and Teaching Award, July 2016, for “Riparian and forest soil inoculation effects on mycorrhizal status of grand and Douglas-fir seedlings in Elwha dam restoration,” extension, $1000.

SIAS Research and Teaching Award, April 2016, for “The role of ectomycorrhizal fungi in succession of woody trees at Mt St. Helens,” $3000.

Daniel E. Stuntz Foundation Grant, November 2015, for “Metals in edible mushrooms in the West Coast of the USA,” $3759, grant extension and supplement.

SIAS Research and Teaching Award, Nov 2015, for “Riparian and forest soil inoculation effects on mycorrhizal status of grand and Douglas-fir seedlings in Elwha dam restoration,” $3500.

IAS Research and Teaching Award, March 2015, for “Metals uptake in Chestnut trees in coal mining restoration sites,” $2500.

Daniel E. Stuntz Foundation Grant, November 2014, for “Metals in edible mushrooms of the Puget Sound region: A citizen-science approach,” $2381 (phase 1) and $4862 (phase 2).

IAS Research and Teaching Award, November 2014, for “Metals in Mushrooms at Pack Forest,” $2203.

Buffalo River Watershed Alliance grant, July 2014, for “Microbial source testing to monitor for swine waste in the Buffalo River and its tributaries,” $4100.

IAS Research and Teaching Award, June 2014, for “Mycorrhizal inoculation potential of Elwha sediments exposed after dam removal and determination of baseline C and N isotope ratios for Douglas-fir and grand fir seedlings outplanted for Elwha restoration,” $3380.

Advisor for Julia Dolan, undergraduate student, for her Mary Cline Memorial Undergraduate Research Award, May 2014, $750.

Advisor for Rachel Struck, undergraduate student, for her Mary Cline Memorial Undergraduate Research Award, May 2014, $750.

Daniel E. Stuntz Foundation Grant, April 2014, for “A contribution to the knowledge of the genus, *Tricholoma*, in the Pacific Northwest region of North America,” E. Cline (PI), S. Trudell, A. Parker, J. Johnson (Co-PIs), $5264.

Advisor for Sharon Hunter, undergraduate student, for her Mary Cline Memorial Undergraduate Research Award, May 2013, $720, and her Mary Gates Research Scholar Award, Jan-June 2014, $4000.

Chancellor’s Undergraduate Scholar award for Jami Kovatch (Summer 2013) and Sharon Hunter (Summer 2013-present).

IAS Research and Teaching Award, November 2013, for “Effect of forest soil inoculation on ectomycorrhizal colonization, growth and survival of seedlings for restoration of Elwha dam-removal exposed sediments,” $2000.

IAS Research and Teaching Award, March 2013, and June 2013, for “Developing a regional network of college campuses to monitor market substitution of Atlantic for Pacific Salmon via introductory biology courses,” $1200, and $5000.

Sabbatical leave, Autumn 2012-June 2013.

IAS Research and Teaching Award, November 2012, for “Expression of phytochelatin synthase in red spruce experience forest decline in the Appalachian Mountains,” $2128.

IAS Research and Teaching Award, April 2012, for “Metal Pollution and Forest Decline in the Appalachian Mountains of New England,” $2360.

IAS Research and Teaching Award, March 2012, for “Metal Pollution and Forest Decline in the Appalachian Mountains of New England,” $2100

Advisor for Kate Galligan, Masters student, for her Sigma Xi Research Award, April 2011, $500, and her Puget Sound Mycological Society Award, August 2011, $1500 for Effects of Soil Moisture on Red Alder Mycorrhizal Communities.

Advisor for Robert Tournay, undergraduate student, for his Mary Cline Memorial Undergraduate Research Award, June 2011-2012, $720, his Mary Gates Research Scholar Award, Jan-April 2012, $4000, and his IAS Research and Teaching Awards, March 2012, $2000, and March 2013, $1450 (continuing funding) for “Phytochelatin Synthase Gene Expression in Conifers.”

UW Tacoma Chancellor’s Grant for Scholarship and Research, 2010-2011. “Effects of Biosolids at Pack Forest, WA: Are Mushrooms Accumulating Heavy Metals?” $3160.

Advisor for Rebecca Singer, undergraduate student, for her UW Tacoma Founder’s Grant, 2009-2010. Soil Glomalin in Costa Rican Coffee Farms, $3010.

Research Quarter Course Release, Autumn 2009.

UW Royalty Research Fund, 2008-2009. “Effects of Shade Trees on Mycorrhizal Diversity and Abundance, Soil Fertility, and Coffee Health and Yield in Costa Rica Coffee Plantations,” $34,248.

UW Tacoma Founders Endowment Award, 2008-2009. “Do Biosolids Cause Tree Stress? Undergraduate Research Assessing Metal Stress in Douglas-fir Trees Treated with Municipal Biosolids and the Role of Mycorrhizal Root Communities in Metal Uptake,” $6413.

UW Tacoma Chancellor’s Grant for Scholarship and Research, 2007-2008. “Ectomycorrhizas of Douglas-fir in Forests Treated with Municipal Biosolids,” $7520.

**Grants in Preparation**

National Science Foundation Scholarships in STEM, full proposal, April 7, 2021. $1,500,000. Promoting Early Retention of STEM Students: The Achieving Change in our Communities through Equity and Student Success (ACCESS) in STEM Program, Phase 2. Erica Cline (PI), Co-PIs Jutta Heller, Marc Nahmani, Amanda Sesko, Ka Yee Yeung.

**Grants Submitted**

National Science Foundation Improving Undergraduate STEM Education: Education and Human Resources (IUSE: EHR) Institutional and Community Transformation capacity building program, full proposal, January 2021. $150,000. Contextualized Math Pathways to Increase Access to STEM Majors at UW Tacoma. Ruth Vanderpool (PI), Co-PIs Amanda Sesko, Zaher Kmail Co-PIs. Faculty Associates Erica Cline, Bonnie Becker, Rita Than.

National Science Foundation Improving Undergraduate STEM Education: Education and Human Resources (IUSE: EHR) Track 3 program, full proposal, December 2020. $731,863, Erica Cline (PI-UW), Chelsia Berry (PI-Seattle Central College), Co-PIs Tunde Akinyeke (SCC), Krystle Balhan (SCC), Brian Buchwitz (UW).

**External Proposals Written as PI or Co-PI (Unfunded)**

National Science Foundation Improving Undergraduate STEM Education: Education and Human Resources (IUSE: EHR) Institutional and Community Transformation capacity building program, full proposal, January 2020. $149,468. Contextualized Math Pathways to Increase Access to STEM Majors at UW Tacoma. Ruth Vanderpool (PI), Bonnie Becker, Erica Cline, Zaher Kmail Co-PIs.

National Science Foundation DUE S-STEM program full proposal, May 2016. $649,690. Promoting Early Retention in STEM via the Program for Race and Equity: Achieving Change (REACH) in Science and Math. Cline PI; Emily Cilli-Turner, Joyce Dinglasan-Panlilio, Marc Nahmani, Mary Pat Wenderoth Co-PIs.

National Science Foundation DEB Population and Community Ecology program pre-proposal, January 2016. Disentangling the abiotic and biotic feedbacks that drive plant community assembly due to woody tree establishment across a disturbance gradient. Cynthia Chang (UW Bothell) PI, Cline co-PI.

USDI National Park Service Science Learning Network, April 2014. $5000. Effectiveness of forest soil inoculation on ectomycorrhizal colonization and diversity, survival and growth of seedlings after outplanting on sediments exposed after Elwha dam removal. E. Cline (PI), R. Bunn (WWU), B. Blackie (Peninsula College).

USDA International Science and Education grant, Jan 2008. $99,800. Undergraduate field research opportunities in Costa Rica: coffee berry borer beetle and its suppression by insectivorous fungi, John Banks and Erica Cline Co-PIs.

NSF Major Research Instrumentation grant, Jan 2007. $339,000. Acquisition of an environmental scanning electron microscope for collaborative and interdisciplinary research and science education at two primarily undergraduate institutions. Co-PI.

**External Proposals Written as Participant or Personnel (Unfunded)**

NSF grant, $999,700, Gary Chastagner, Co-PIs (WSU Puyallup). A community-based stream monitoring program in western Washington for early detection of *Phytophthora ramorum,* submitted June 2010 (participant).

NSF Phylogenetic Systematics grant, $999,800, Ted Pietsch, PI (UW Seattle). Dam Removal on the Elwha: An Urgent Need for Biotic Survey and Inventory, submitted June 2008, resubmitted July 2009 (participant).

NSF Microbial Observatories grant, $999,000, William Eaton (PI). Microbial diversity in sediments and riparian habitats associated with Lake Mills and the Elwha watershed, submitted Oct. 2006 (senior personnel).

**Presentations**

“Promoting Academic Success of Economically Disadvantaged, STEM-Interested, First- and Second-Year Undergraduate Students via the ACCESS in STEM Program at University of Washington Tacoma,” Erica Cline (presenter), Elin Bjӧrling, Emily Cilli-Turner, Joyce Dinglasan-Panlilio, Jutta Heller, Edward Kolodziej, Annie Camey Kuo, Marc Nahmani, Amanda Sesko, Mary Pat Wenderoth, Ka Yee Yeung. Understanding Interventions that Broaden Participation in Science Careers Annual Conference, virtual event, July 2021.

“Impacts of a Mentoring and Support Program for STEM-Interested First and Second Year Students on Academic Performance, Self-Efficacy, and Collegiate Stress,” Erica Cline (presenter), Elin Bjӧrling, Emily Cilli-Turner, Joyce Dinglasan-Panlilio, Jutta Heller, Edward Kolodziej, Annie Camey Kuo, Marc Nahmani, Amanda Sesko, Mary Pat Wenderoth, Ka Yee Yeung. Society for the Advancement of Biology Education Research annual conference, virtual event, July 2021.

“How Does Mentoring Affect Self-Efficacy, Sense of Belonging, and Stress?” Erica Cline (presenter), Elin Bjӧrling, Emily Cilli-Turner, Joyce Dinglasan-Panlilio, Jutta Heller, Edward Kolodziej, Annie Camey Kuo, Marc Nahmani, Amanda Sesko, Mary Pat Wenderoth, Ka Yee Yeung. UW Teaching and Learning Symposium, virtual event, April 2021.

“Addressing STEM students’ self-efficacy, sense of belonging, and stress: S-STEM peer and faculty mentoring and support in the era of Covid,” Erica Cline (presenter); co-authors Emily Cilli-Turner, Joyce Dinglasan-Panlilio, Ed Kolodziej, Marc Nahmani, Amanda Sesko, Ka Yee Yeung, Elin Björling, Annie Kuo, Mary Pat Wenderoth. Society for the Advancement of Biology Education Research western regional conference, virtual event, Jan 2021.

“Increased self-efficacy, career intentions in science, and science identity resulting from early research experiences, learning communities, intensive mentoring, and equity and inclusion interventions for first year STEM students in an NSF S-STEM program,”
Erica Cline (presenter), co-authors: Joyce Dinglasan-Panlilio, Ed Kolodziej, Marc Nahmani, Amanda Sesko, Ka Yee Yeung (UWT); Elin A. Björling, Mary Pat Wenderoth, (UWS); Emily Cilli-Turner (University of La Verne); Annie Kuo (Stanford University). Society for the Advancement of Biology Education Research annual conference, virtual event, July 2020.

“Connections: How mycorrhizal fungi weave together and protect our forests,” Puget Sound Mycology Society annual mushroom show, virtual event, November 2020.

“Two studies of identity in STEM and student success,” inclusive Environmental Metrics in Biology Education Research (iEMBER) annual workshop, virtual event, Sept 2020.

“Mycorrhizal fungi and forests: partners for life,” Puget Sound Mycological Society annual mushroom show, October 2019 and Chehalis Mushroom Society, February 2020.

“The Achieving Change in Our Communities for Equity and Student Success (ACCESS) in STEM Project,” with Joyce Dinglasan-Panlilio, Ed Kolodziej, Sarah Lindhartsen, Marc Nahmani, Amanda Sesko, Ka Yee Yeung, Elin Björling, Mary Pat Wenderoth, Annie Kuo. UW Teaching and Learning Symposium, April 2019.

ACCESS in STEM, UW Tacoma Student Success lightning talks, April 2019.

ACCESS in STEM and the SciDentity Project, inclusive Environmental Metrics in Biology Education Research (iEMBER) annual workshop, St. Louis, April 2019.

Promoting Inclusivity in STEM Classrooms, iEMBER annual workshop session, St. Louis, April 2019.

“Challenges and lessons learned from implementing an S-STEM grant,” Panel, Rice University Capacity Building Workshop for NSF S-STEM program, February 2019.

“Mycorrhizal fungi and forest restoration: partners for life,” Northwest Mushroomers Society, Bellingham, WA, November 2018.

“Mycorrhizal fungi and forests: partners for life,” Puget Sound Mycological Society annual mushroom show, October 2018.

“Science Identity Intervention: Example of a collaboration between social scientists and biology education researchers through the iEMBER network,” Society for Advancement of Biology Education Research Annual Meeting, July 2018, Alison Crowe, **Erica Cline,** Heather Heinz, Jana Marcette, Liz Martinez, Michael Moore, Joshua Reid, Rachel Tennial, Emily Weigel.

“Catching Cheaters: DNA detectives,” UWT Admitted Students day, April 2018, and Math Science Leadership program, June 2018.

“Mycorrhizal fungi and forest health,” Franke Tobey Jones assisted living Senior University, June 2018.

“Piloting a Study of Promoting Student Self-Identification as Scientists” UW Teaching and Learning Symposium, Seattle, WA April 2018 (with Heather Heinz, PI).

“Metals in edible wild mushrooms: Should you worry?” Bremerton Mycological Society, Bremerton, WA, April 2018.

“Metals in edible wild mushrooms: Should you worry?” Cascade Mycological Society, Eugene, OR, January 2018.

“Metals in edible wild mushrooms: Should you worry?” North American Truffling Society, Corvallis OR, January 2018.

“Global Impacts Ghana” Global Lightning Talk, November 2017.

“Effectiveness of a community-focused course based undergraduate research class for first year students at the University of Washington Tacoma,” Inclusive Environment and Metrics in Biology Education Research (iEMBER) workshop, St. Louis, MO June 2017.

“Exploring mycorrhizal and other fungi,” Pierce County Habitat Stewards, Tacoma, May 2017.

“Metals in edible mushrooms,” Pacific Northwest Key Council, Naches WA, May 21 2017.

“Metals in edible mushrooms,” Los Angeles Mycological Society Seminar, May 15 2017.

“Metals in edible mushrooms,” Environmental Seminar, UW Tacoma, February 2017.

“A brief survey of CUREs in the Environmental Science major,” UW Tacoma Teaching Brownbag, January 2017.

“Metals in Edible Mushrooms” Invited speaker at the Wild Mushroom Show, Bellevue WA, October 2016.

 “Stereotype Threat and Identity Interventions in STEM,” South Sound Science Education Research in Practice seminar, May 2016.

“Effect of forest soil pre-inoculation of grand fir (*Abies grandis*) and Douglas-fir (*Pseudotsuga menziesii*) seedlings destined for restoration of Elwha sediments,” Society for Ecological Restoration PNW chapter annual meeting, Portland OR, April 2016 (with Sharon Hunter, Rebecca Bunn).

“Metals in Edible Wild Mushrooms: Should you Worry?” Invited speaker at Bellingham Mycological Society monthly meeting, April 2016.

 “Effect of forest soil pre-inoculation of grand fir (*Abies grandis*) and Douglas-fir (*Pseudotsuga menziesii*) seedlings destined for restoration of Elwha sediments,” Elwha River Science Symposium, November 2015 (with Sharon Hunter, Danielle Litwin, Rachel Struck, Barbara Blackie, Rebecca Bunn, Joshua Chenoweth).

“Mycorrhizal Inoculation Potential of Glines Canyon Sediments for Douglas-fir (*Pseudotsuga menziesii*) seedlings,” Elwha River Science Symposium, November 2015 (with Amanda Pole, Rebecca Bunn).

“Dune Meets Elwha: Restoration of Extreme Environments,” Grand Cinema, September 2015.

“Metals in Wild Mushrooms,” North American Mycology Association annual conference invited speaker, Eatonville WA, October 2014.

“Catching Cheaters: Using DNA Sequencing to Detect Salmon Market Substitution,” Math Science Leadership program, UW Tacoma, June 2014.

“Mycorrhizal Fungal Diversity in Forests: Alder at Pack Forest,” Washington Society of American Foresters annual meeting, Pack Forest WA (with Dr. Greg Ettl, SEFS UW Seattle), May 2014.

“Catching Cheaters” Workshop: Using DNA Sequencing to Detect Market Substitution of Salmon,” Talk and hands-on workshop training biology faculty to adopt the salmon project, Northwest Biology Instructors Annual Meeting, Bellevue, WA, May 2014.

“Metals Uptake by Edible Mushrooms in Biosolids Treated Forests,” IAS Brown Bag Seminar Series, January 2014.

“Metals in Wild Mushrooms,” Puget Sound Mycological Society Seminar, January 2014.

“Mycorrhizal Fungal Diversity of Pacific Northwest Forests,” UW Environmental and Forest Sciences, SEFS522 Plant Microbiology Seminar, Spring 2013 and 2014, ESRM 409 Soil Ecology, Oct 2014.

“Metals Uptake by Edible Mushrooms in Biosolids Treated Forests,” Northwest Science Annual Meeting, Portland OR, March 2013.

“Metals Uptake by Edible Mushrooms in Biosolids Treated Forests,” University of Puget Sound Science Seminar, Tacoma WA, March 2013.

“Influence of soil moisture on *Alnus rubra* ectomycorrhizal fungal community distribution throughout a growing season,” Galligan, Kate, Cline, E., Ettl, G. Society of American Foresters National Convention, Spokane WA October 2012.

 “Catching Cheaters” Workshop: Using DNA Sequencing to Detect Market Substitution of Salmon,” Multi-day workshop training biology faculty to adopt the salmon project, Northwest Biology Instructors Annual Meeting, May 2012.

“Salmon market substitution,” Highline Community College Math Science Teaching Center, Des Moines WA, May 2012.

“Using phylogenetic analysis to detect market substitution: a hands-on multi-day workshop for biology educators,” Northwest Biology Instructors annual meeting, Everett WA, April 2012.

“Using phylogenetic analysis to identify market substitution of Atlantic salmon for Pacific salmon with an introductory biology class,” Centralia College Science Seminar, March 2012.

“Effects of biosolids on forests and fungi: Free fertilizer but with toxic metals as a hidden cost,” UWT IAS Environmental Science Seminar, December 2011.

“Mycorrhizal fungal diversity of Pacific Northwest forests,” Lewis and Clark College, Dept of Biology Seminar, September 2011.

Galligan, K.G., Cline, E.T., and Ettl, G.J. “Influence of soil moisture on *Alnus rubra* ectomycorrhizal fungal community distribution throughout a growing season.” Ecological Society of America Annual Meeting, August 2011.

 “Effects of synthetic fertilizer on soil glomalin and coffee yields in Costa Rica coffee fields,” Cline, Erica T., Singer, R., Castro Tanzi, S., Nichols, K. Soil Ecology Society Annual Meeting, Kelowna BC, Canada, May 2011.

“Involving undergraduates in a community-based monitoring project for *Phytophthora ramorum*, cause of sudden oak death,” Cline, E., Elliott, M., Soil Ecology Society Annual Meeting, Kelowna BC, Canada, May 2011.

“Using phylogenetic analysis to identify market substitution of Atlantic salmon for Pacific salmon: an introductory biology laboratory experiment,” Northwest Biology Instructors Meeting, Yakima, WA, May 2011.

 “Developing and using hands-on, authentic scientific inquiry-based exercises” Cline, E., Becker, B., Gogarten, J. UWT Teaching Forum, February 4, 2011.

“Unlocking the secrets of mycorrhizal ecology: Molecular tools for identification,” guest lecture for Dr. Bob Edmonds ESRM409 Soil Ecology course, UW Seattle School of Forest Resources, October 2010 and October 2011.

“How to add a ‘W’ to your course,” Cline, E., Nascimento, A., Oswal, S., Selkin, P., UWT Teaching Forum, April, 2010.

“Conservation and Farmer Practices: Sustainable Coffee in Tarrazu, Costa Rica,” E. Cline, J. Banks, L. Hannon, R. Singer, at the Conservation in Practice from Anthropology to Zoology Conservation Colloquium, University of Washington Seattle, March 2010.

 “Catching Cheaters: A Lab on Phylogenetic Analysis of Salmon,” Curriculum for the Bioregion Conference, Pacific Lutheran University, March 2010.

“Why ‘Eat Less Meat’ is the Environmental Battle Cry: Saving Energy One Bite at a Time”, UW Tacoma Energy Summit, December 2009.

“Unlocking the Secrets of Evolutionary History and Ecology: Phylogenetic and other Molecular Analyses,” guest lecture, The Evergreen State College, Steve Trudell, instructor, November 2009.

“Integrating Writing into the Undergraduate Science Curriculum: Perspectives from an Interdisciplinary Environmental Sciences Program,” E. Cline, P. Selkin. Transforming Undergraduate Biology Education: Mobilizing the Community for Change conference, Washington DC, July 2009 (Invited Participant).

“Why ‘Eat Less Meat’ is the Environmental Battle Cry: Saving Energy One Bite at a Time”, Marine Science Technology Center, Highline Community College, June 2009.

“Mycorrhizal Fungal Diversity of Pacific Northwest Forests,” University of Washington Tacoma, Environmental Science Seminar, June 2009.

 “Adventures in International Research: Coffee Research in Costa Rica with Undergraduates,” NW Biology Instructor’s Conference, Astoria OR, May 2009.

 “Mycorrhizal Fungal Diversity of Pacific Northwest Forests,” University of Puget Sound Science Seminar, March 12, 2009.

“Food Energetics: Using Personal Audits and Footprint Measures,” Curriculum for the Bioregion Conference, University of Puget Sound, March 6, 2009.

“Development of an interdisciplinary exercise to introduce non-science majors to the sustainability of agricultural energy use by investigating their own fossil fuel inputs for one week of food consumption: A bottom-up approach,” C. Thomas, E. Cline, Ecological Society of America Annual Meeting, Milwaukee WI, August 2008.

“Catching Cheaters: Using Salmon Phylogenetics to Detect Commercial Mislabeling,” Northwest Biology Instructors’ Conference, Salem OR, May 2008.

“From Fungi to Fish Fraud and Food Fossil Fuels: How Teaching can Transform Research (and vice versa),” keynote address, UW College of Forest Resources graduate student symposium, January 2008.

“Do residual trees help seedlings? Exploring the “nurse-tree” effect on mycorrhizal colonization,” Biology Seminar Series, University of British Columbia Kelowna, September 2007.

*“Septoria malagutii,* the newly validated and redescribed fungus causing annular leaf spot of potato,” Cline, E. and Rossman, A., Mycological Society of America annual conference, Baton Rouge, LA, August 2007.

“Ectomycorrhizal fungi in managed Douglas-fir forests: What changes occur after harvesting?” Soil Ecology Society meeting, Moab, Utah, May 2007.

**Conference Presentations with Undergraduate Students**

“Mycorrhizal DNA on Douglas-Fir (*Pseudotsuga menziesii*) root systems in the Elwha River Valley,” Mentor for Laura Casillas, Sciences and Mathematics Undergraduate Research Symposium, June 2018.

“Global Impact Morocco,” Mentor for Diamond O’Neill, Sciences and Mathematics Undergraduate Research Symposium, June 2018.

“Global Impacts Student Projects,” Students in TBIOMD490, UW Tacoma International Education Week, November 2017.

“Mycorrhizal Relationships of Noble Fir and Douglas-fir on the Mount St. Helens Pumice Plain,” Mentor (with Dr. Cynthia Chang, UW Bothell) for Natalie Johnson, UWATERS, December 2016.

“Metal Concentrations in Commercially Available Mushrooms,” Mentor for Bao Tran, Puget Sound Mycological Society Wild Mushroom Show, October 2016, and UWT Winter Showcase, December 2016.

“Effect of Mechanical Soil Treatments on Heavy Metals Uptake by Chestnuts in Mine Restoration Sites in Ohio,” Mentor (with Dr. Jenise Bauman, Western Washington University) for Ryan Brisbin, UW Undergraduate Research Symposium, May 2016, and UWATERs, June 2016.

“Elwha River Valley Restoration: Effect of Soil Inoculation on Ectomycorrhizal Diversity on Douglas-fir (*Pseudotsuga menziesii*),” mentor for Jasmine Bowman, UWATERs, June 2016.

 “Can ectomycorrhizal soil inoculation impact conifer mycorrhizal colonization at the Elwha dam removal restoration site?” Holly Jessup, UW Undergraduate Research Symposium, May 2016.

“Heavy Metals Uptake in Mushrooms of the West Coast,” mentor for Nicholas Vradenburg, UW Undergraduate Research Symposium, May 2016.

“Heavy metals uptake in mushrooms harvested in western Washington,” mentor for Bryan Moxcey, UWT Student Showcase, March 2016.

“Tricholomas of the Pacific Northwest: A contribution to the knowledge of the genus, *Tricholoma*, in the Pacific Northwest region of North America,” mentor for Diantha Dougil, UWT Environmental Research Symposium, June 2015.

“Heavy metals in mushrooms harvested from a biosolids-treated forest,” mentor for Cherese Bentley, UWT Student Showcase, March 2015.

“Effect of forest soil pre-inoculation of grand fir (*Abies grandis*) and Douglas-fir (*Pseudotsuga menziesii*) seedlings on mycorrhizal diversity,” mentor for Danielle Litwin, UWT Student Showcase, December 2014.

“Characterization of mycorrhizal fungus communities and metal pollutants in a declining red spruce forest within the Adirondack mountains,” co-mentor (with Jim Gawel) for Sharon Hunter, UW Undergraduate Research symposium, May 2014, and UWATERS conference, June 2014.

“Incorporating environmental issues into public school curriculum through project based learning,” mentor for Shanon Skoog, UWATERS conference, June 2014.

“Does soil inoculation increase mycorrhizal diversity of Douglas-fir (*Pseudotsuga menziesii*) for restoration of the Elwha Dam site?” Mentor for Pedro Mendoza and Lisa Hamaker. UWT Student Showcase, winter 2014, UW Undergraduate Research Symposium, May 2014, and UWATERS conference, June 2014.

“Effects of forest soil inoculation on grand fir (*Abies grandis*) seedling mycorrhizal diversity as preparation for planting at the Elwha restoration site,” mentor for Rachel Struck and Julia Dolan. UWT Student Showcase, winter 2014, UW Undergraduate Research Symposium, May 2014, and UWT Environmental Research Symposium, June 2014.

“Use of 3’ Rapid Amplification of cDNA Ends Protocol in Sequencing Conifer Phytochelatin Synthase Genes,” mentor for Jeremiah Payne, UWT Student Showcase, March 2014.

“Effect of Land Use on Diversity and Abundance of Spiders in Costa Rica,” co-mentor (with J. Banks) for J. Leslie Spry, UWT Student Showcase, December 2013.

Robyn Zaches, Aviation High School, Seattle WA for cod market substitution project, Spring Student Showcase, May 31, 2013.

“Metal Pollution and Forest Decline in the Appalachian Mountains of New England,” mentor for Sharon Hunter and Jami Kovatch. UW Undergraduate Research Symposium, May 2013 and UWaTERS, June 2013.

“Foliar Uptake of Toxic Metals and Stress Responses of Pine Seedlings from Biosolids-Treated Sites at Pack Forest, WA” mentor for Jennifer Vittetoe. UW Undergraduate Research Symposium, May 2013 and UWT Environmental Research Symposium, June 2013.

“The Discovery and Characterization of Phytochelatin Synthase Gene in Conifers,” mentor for Robert Tournay, UW Undergraduate Research Symposium, May 2012, and UWT Environmental Seminar June 2012, and final report May 2013 and June 2013.

 “The Optimization of RNA Analysis via Northern Blotting,” mentor for Derek Eppright, UWT Autumn Student Showcase, December 2012.

“Metal Accumulation of Edible Fungi within Biosolids-Treated Sites at Pack Forest, Washington,” mentor for Mary Clouse, UW Undergraduate Research Symposium, May 2012, and UWT Environmental Seminar (UWaTERS), June 2012.

“Effects of Biosolids on Toxic Metals in Edible Mushrooms,” mentor for Candice Hindle (*Clavulina*), Allison Williams (*Cantharellus*), Anthony Okrasinski (*Helvella*), and Mary Clouse (all other species), each presenting a separate poster, UWT Autumn Student Showcase, December 2011, and UWT Environmental Seminar (UWaTERS) June 2012.

“The relationship between soil copper and glomalin in coffee plantations in Tarrazu, Costa Rica,” mentor for Aaron Copado, UW Undergraduate Research Symposium, May 2011; UW Tacoma Environmental Research Symposium, June 2011.

“Phytochelatin production in *Pseudotsuga menziesii* seedlings: a greenhouse study,” co-mentor (with Jim Gawel) for Lucy Rollins, UW Undergraduate Research Symposium, May 2010; UW Tacoma Environmental Research Symposium, June 2010.

“The effects of biosolids amendments on ectomycorrhizal fungi of Douglas-fir seedlings: a greenhouse study,” mentor for Amanda Watts, UW Undergraduate Research Symposium, May 2010; UW Tacoma Environmental Research Symposium, June 2010.

“Fertilizer reduction increases glomalin, a soil aggregation protein, in Costa Rican coffee fields,” mentor for Rebecca Singer, UW Undergraduate Research Symposium, May 2010; UW Tacoma Environmental Research Symposium, June 2010.

“Phytochelatins as bioindicators suggesting metal stress in Douglas-fir trees treated with municipal biosolids” co-mentor (with Jim Gawel) for Quyen Nguyen (undergraduate student), UW Undergraduate Research Symposium, May 2009, and UW Tacoma Environmental Research Symposium, June 2009.

“Effects of historical biosolids application on mycorrhizal communities of managed Douglas-fir forests at Pack Forest, Washington” mentor for Jill Mountford (undergraduate student), UW Undergraduate Research Symposium, May 2009, and UW Tacoma Environmental Research Symposium, June 2009.

“The effects of shade tree density on stomata densities of *Coffea arabica* var. *catuai* coffee plants in Tarrazu, Costa Rica” mentor for Rebecca Singer (undergraduate student), UW Undergraduate Research Symposium, May 2009, and UW Tacoma Environmental Research Symposium, June 2009.

“A preliminary ectomycorrhizal fungal survey of the Elwha River Valley,” mentor for Katri Rahkonen (undergraduate student), UW Undergraduate Research Symposium, May 2009, and UW Tacoma Environmental Research Symposium, June 2009.

“Possible Detection of Pathogenic *E. coli* O157 in Soils at Pack Forest Treated with Septage,” mentor for Matt Ridgway (undergraduate student), UW Undergraduate Research Symposium, May 2008, and UW Tacoma Environmental Research Symposium, June 2008.

“Effects of Biosolids on Growth of Douglas-fir at Pack Forest,” mentor for Jeff Smith (undergraduate student), UW Undergraduate Research Symposium, May 2008, and UW Tacoma Environmental Research Symposium, June 2008.

**Presentations and Workshops (as Coordinator/Organizer)**

Café Champignon, Alison Pouliot, co-sponsored by ACCESS in STEM and the Stuntz Foundation, UWT, October 2019.

“High impact practices and the undergraduate research and community engaged learning communities of practice,” New Faculty Orientation, September 2018.

SIAS Undergraduate and Graduate Student Symposium, November 2018.

High Impact Practices Communities of Practice Workshops, June 2018, August 2018. Coordinated the faculty fellows program and organized guest speakers.

“Resilience & Compassion: Building Strength for the Road Ahead,” Dr. Anne Browning, UW Seattle Resilience Lab, May 2018.

“Promoting Resilience/Growth Mindset: Best Practices to Support Student Success,” Dr. Cynthia Stanich, UW Seattle BERG, CHeDR, and UW Resilience Lab, May 2018, faculty development “best practices” brownbag series.

“Best Practices in Mentoring Underrepresented Students in STEM,” with Dr. Marc Nahmani, Sierra Jones, May 2018.

“Students Lightning Talks,” Co-coordinated with Kathleen Farrell, as Co-Champions of Students Strategic Impact Goal, March 2018.

“From Sterile Space to Home Base: Discussing how to create a classroom where students want to be,” Dr. Rachel Tennial, U. Arkansas Little Rock, February 2018, faculty development “best practices” brownbag series.

“From Mammies to Jezebels: An Exploration of Black Identity, Colorism and Media Representation,” Dr. Rachel Tennial, U. Arkansas Little Rock, February 2018.

“Best Practices in Sponsoring Student Internships: A Practical Guide to Supporting Students and Promoting Community Engagement,” Coordinator for panel discussion, Nov 2017, SIAS faculty development “best practices” brownbag series.

Biomedical Sciences launch party coordinator, March 2016-November 2016 (keynotes by Dr. Karen Cowgill, Dr. John Finke, Dr. David Hirschberg, Dr. Marc Nahmani)

# Teaching

**Courses**

UW Tacoma, Assistant Professor, 2006 to 2012, and Associate Professor, 2012-present

TESC 120 Introductory Biology I: Ecology, Evolution, Genetics

TESC 130 Introductory Biology II: Cell and Molecular Biology

TESC 140 Introductory Biology III: Plant and Animal Physiology

TESC 200 Environmental Seminar

TESC 236 Sustainable Agriculture

TESC 310 Environmental Research Seminar

TESC 378 Environmental Microbiology

TESC 340 Ecology and its Applications

TESC 404 Costa Rica Field Studies: Tropical Ecology & Community

TESC 404 Neotropical Studies: Peru

TESC 432 Forest Ecology Field Studies

TESC 495 Environmental Research Experience

TBIOMD 490 Global Impact

TBIOMD 490/491 Global Health Experience and Context

Lecturer, UW Seattle, 2002-2004:

Biol 102 Ecology and Evolution

Biol 180 Ecology and Genetics

Biol 220 Animal and Plant Physiology

Teaching Assistant, UW Seattle, 1995-2002:

 Biol 180, 200, 220, 201, 202, 203: Introductory Biology I, II, III

 ESC 210 Introduction to Soil Science

 CFR 101 Forests and Society

**Honors and Awards**

Charlotte Cornell Crary Award for Excellence in Biology Teaching, 1999

Provost Award to support the Peru International Programs course in summer 2013, $5000.

**Undergraduate research capstone projects**

* Chi Tran (completed Dec 2019)
* Laura Casillas (completed June 2018)
* Natalie Johnson, Bao Tran (honors thesis), (December 2016)
* Holly Jessup, Nicholas Vradenburg, Ryan Brisbin, Jasmine Bowman (June 2016)
* Bryan Moxcey (March 2016)
* Diantha Dougil, Amanda Pole (honors theses, completed August 2015)
* Rachel Struck (completed June 2015)
* Cherese Bentley (completed March 2015)
* Dani Litwin (completed December 2014)
* Sharon Hunter, honors thesis (completed June 2014)
* Lisa Hamaker, Pedro Mendoza, Julia Dolan, Jeremiah Payne (completed Dec 2013)
* Robert Tournay (IAS Honors thesis), Jennifer Vittetoe, Jami Kovatch (completed June 2013).
* Mary Clouse, Derek Eppright, Candice Hindle, Allison Williams, Anthony Okrasinski, Devin Dmitriev, Jennifer Guenther (completed 2012)
* Aaron Copado (completed 2011)
* Lucy Rollins, Rebecca Singer (IAS honors thesis), Devon Sorensen, Amanda Watts (completed 2010)
* Kim Dennett, Quyen Nguyen, Jill Mountford, Katri Rahkonen, Nels Lund (Marlboro College) (completed 2009)
* Jeff Smith, Matt Ridgway (completed 2008)

**Undergraduate internship capstone projects**

* Paolajean Chua (Winter 2021)
* Avika Sharma (Summer 2020)
* Global Impact Internship coordinator for Kai Farmer, Anna Tyutyunnik, Lyn Du, Jeanette Trac, Shilpa Verma, early fall 2015
* Shanon Skoog (completed June 2014)
* J. Leslie Spry (2013)
* Margot Tsakonas, Lesley Hogue (2011-2012)
* Jacklyn Milner (2009-2010)
* Nicole Hokett, Travis Turner, Shameka Henson (2008-2009)

**Graduate Student Committees**

* Korena Mafune (Dan Vogt, chair), PhD, UW Seattle School of Environmental and Forest Sciences, ongoing.
* Robert Tournay (Sharon Doty, chair), PhD, UW Seattle School of Environmental and Forest Sciences, ongoing.
* Katrina Mendrey (Sally Brown, chair), Master of Science, UW Seattle School of Environmental and Forest Sciences, April 2012-June 2013.
* Kate Galligan McBurney (Greg Ettl, chair), Master of Science, UW Seattle School of Environmental and Forest Sciences, April 2011-December 2012.
* Rebecca Singer (Sally Brown, chair), Master of Science, UW Seattle School of Environmental and Forest Sciences, final thesis review August 2012.
* Nauman Mumtaz (John Banks, chair), UWT MAIS program (withdrawn).
* Amy Honan (Bob Edmonds, chair), Ph.D., UW Seattle School of Forest Resources (withdrawn).

# Service

**Committee Membership and Campus, School, and Divisional Service**

* Faculty Director/PI, ACCESS in STEM program (2018-present)
* Community Engagement Board (March 2019-present)
	+ Curriculur Areas workgroup for the application for Carnegie Designation as a Community Engaged Campus
* Lecturer reappointment chair for Scott Reyerman, autumn 2019
* Associate Dean of Student Academic Support and Success, August 2017 through Sept 2019
	+ Main areas of emphasis student concerns, curriculum, HIPs initiatives
	+ Ex officio membership on SIAS Faculty Council, Dean’s Advisory Council on Diversity, Shared Leadership Council, and Executive Leadership Team
* Students Strategic Goals Co-Champion (Autumn 2017- Sept 2019)
* Student Success Council High Impact Practices co-chair (Autumn 2017- Sept 2019)
* Community Engagement Council (January 2018-April 2019)
* Admissions Advisory Board (2017-2018)
* 3rd year review committee (chair) for Marc Nahmani, spring 2018
* Senior Lecturer Promotion Committee for Jack Vincent, 2017
* 3rd year review committee member for Maureen Kennedy, spring 2017
* Division Chair, Sciences and Mathematics, Sept 2013-December 2016
	+ Annual reviews for 14 lecturers
	+ Developed the SAM schedule
	+ Oversight of SAM operations budget
	+ Oversight of four full time staff
	+ Coordinated hiring and mentoring of 21 part time faculty
	+ Shepherded launch of Math and Biomedical Sciences degrees
	+ Facilitated new programs/curriculum: Environmental Studies BA revision, Environmental Science Conservation Biology/Ecology Option, Masters of Science in Environmental Science
	+ Chair of SAM Leadership council
* Chair of Senior Lecturer promotion committee for Jutta Heller, autumn 2016
* 3rd year review committee member for Michelle Montgomery, spring 2016
* Lecturer reappointment chair for Megan Schwartz, fall 2015
* Disciplinary Committee, 2013-present
* UWT Global Impact coordinator and board member, 2015-2
* IAS Chair of Chairs, June 2014-2015
* ex-officio member of IAS Faculty Council (2014-2015)
* SAM Biomedical Sciences major proposal co-author, summer 2014
* SAM staffing plan team summer 2014
* IAS Web design team 2014
* 3rd Year Review Committee for Jane Compson, 2014
* Kleiner Award Scholarship Committee, July 2014
* IAS Faculty Council (spring 2010-spring 2012)
* Kleiner award scholarship review committee (spring 2011)
* UWT Faculty Affairs committee (spring-fall 2010)
* UW tri-campus Restoration Ecology Network steering committee (2008-2010)
* IAS Tenure and Promotion Guidelines ad-hoc committee (2009)
* Foundations of Excellence Faculty committee (2009)
* Center for Leadership and Social Responsibility Course Development grant review committee, May 2008
* UWT library committee (spring 2008).
* UWT Transportation Visioning Advisory Committee (2007)
* Pre-Allied Health (pre-MVPD) PARC proposal (2007)

**Hiring Committees**

* Microbiology assistant professor search 2018-2019
* Associate Vice Chancellor of Student Success search, June 2018
* Cellular Biology/Cellular Physiology assistant professor search (chair, 2017-2018)
* Applied Ecology assistant professor search 2016-2017
* Biomedical academic advisor/program administrator search autumn 2016
* Neurobiology assistant professor search and interview (chair, 2015-2016)
* Chemistry competitive lecturer interview (2015)
* Mathematics competitive lecturer interview (2015)
* Lab coordinator staff search and interview (2015)
* Hydrology assistant professor interview (2015)
* Applied math and statistics tenure track search and interview (chair, 2014-2015)
* Sciences and Mathematics Division Manager search (2014-2015)
* Biology competitive lecturer search and interview (chair, 2013-2014)
* David Hirschberg opportunity hire (winter 2014)
* Geology assistant professor interview (winter 2014)
* Environmental Studies assistant professor interview (winter 2014)
* Biochemistry assistant professor position (2011-2012) search and interview
* School of Environmental and Forest Sciences Director search and interview (2011-2012)
* Math assistant professor position (Julie Eaton, 2011), interview
* Biology instructor (Jack Vincent, 2011), chair of search and interview
* Biology instructor (Jutta Heller, 2010), chair of search and interview
* Laboratory coordinator (Jessica Asplund, 2009), search and interview
* Math assistant professor position (Paul Allen, 2008), interview
* Physics assistant professor position (Peter Selkin, 2008), interview
* Biology instructor (Jennifer Gogarten, 2007), chair of search and interview
* Chemistry assistant professor position (Joyce Dinglasan-Panlilio, 2007), interview
* Laboratory instructor/coordinator (2007), search and interview

**Student Advising**

* ACCESS in STEM one-on-one mentor (2 students, biweekly meetings)
* ACCESS in STEM UWTEAMs group mentoring leader, Cohort 2 (biweekly meetings)
* Faculty advisor for approximately 20 undergraduate students per year
* Admitted Student Day presenter, April 2018
* Husky Orientation week, fall 2014, 2015, 2016
* SAM advising luncheon, fall 2013, fall 2014, spring 2015, fall 2016
* “Explore!” transfer student outreach event, Jan 2015, Feb 2016
* SAM “brag session” with admissions staff, June 2014, June 2015

**Professional Development and Community Involvement**

* Stuntz Foundation board member (2014-present)
* Curriculum for the Bioregion steering committee member (2008-present)
* iTECH Fellow, summer 2018 (completed in condensed course, June 2020)
* Career Champions training, October 2020
* SIAS Associate Professor Scholarship/Writing Retreat, Pack Forest, WA, February 2020
* BEST (Building Excellence through Science and Tradition) Advisory Committee, UWT (2015-2018)
* SIAS Associate Professor Scholarship/Writing Retreat, Friday Harbor, WA, February 2019
* Data Fellows, summer 2018
* Courageous Conversations participant, spring 2018
* UWT Math Science Leadership program, advisor for “DNA Detectives” salmon market substitution project 2012 through 2018
* UW Leadership Experience Project, 2017-2018
* Co-Coordinator, iEMBER STEM Identity Research Retreat, Friday Harbor, WA, February 2018
* SIAS Associate Professor Scholarship/Writing Retreat, Friday Harbor, WA, January 2018
* Project Kaleidoscope STEM Leadership Institute, summer 2017
* Inclusive Environmental Metrics in Biology Education Research (iEMBER) workshop, Harris-Stowe University, St Louis, Missouri, summer 2017
* Leading for Equity workshop, May 2017
* Sponsor for Fulbright Scholar applicant, Dr. Claire Garden, spring 2017 (not awarded)
* Rice University NSF S-STEM Workshop (February 2017)
* Equity 101 workshop, February 2017
* Collaborative Online International Learning (COIL) Fellow, 2016
* Global Impact board member (2015-January 2017)
* Team lead for successful institutional application to the Fall 2014 Northwest PULSE (Partnership for Undergraduate Life Sciences Education) Departmental Transformation Workshop, October 17-19, 2014, Seattle WA
* Curriculum for the Bioregion “An Ethic of Place” Workshop (lower division science course development workgroup), University of Puget Sound, Feb 2015
* Advisor for Robyn Zaches, Aviation High School, Seattle WA for cod market substitution project (March-June 2013)
* Coordinator and advisor for Yakima Valley Community College, Lake Washington Technical Institute, and Everett Community College salmon substitution projects (2012-present). Added Mt Hood Community College in Spring 2013
* UWT Sophomore Summit, Pack Forest (September 2012)
* Advisor for Arlington High School salmon market substitution project, working with Sound Salmon Solutions (2012)
* UWT “Core Camp” (multi-day workshop on Gen-Ed core and ‘first-year’ teaching) (June 2009)
* Curriculum for the Bioregion/UWT-Community College summer institute, Puget Sound health and ecology (2009)
* Environmental Education Association of Washington Higher Education strategy session (2008)
* Curriculum for the Bioregion Biology Learning Community (2007-2008): developed and posted instructional materials to share with educators throughout the region
* UWT Writing Fellow (2007-2008)
* UWT-Community College summer institute (Sept 2007)

**Professional Service**

* Ford Foundation/National Academies of Science Fellowship Panel, March 2018
* Co-Chair and Treasurer for Northwest Biology Instructors annual meeting (held on UWT campus May 2017)
* National Science Foundation proposal review panel member for Course Curriculum and Laboratory Improvement (CCLI), Type I, Assessment program, July 2012
* Primary organizer for the Western Mycorrhiza Gathering annual conference, Pack Forest WA, May 2012.
* Chair of National Science Foundation proposal review panel for Transforming Undergraduate Education (TUES), Biology program, July 2010
* National Science Foundation proposal review panel member for Course Curriculum and Laboratory Improvement (CCLI), Type I, Assessment program, July 2009