

Robin Lea O'Quinn, Ph.D.

Associate Professor

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EDUCATION

- Ph.D. 2005 Botany, Washington State University, Pullman, WA; School of Biological Sciences "*Phylogeny, biogeography and the evolution of perennation structures in Montieae (Montiaceae)*"
- B.S. 1998 Botany, University of California, Davis, CA; *magna cum laude*

APPOINTMENTS

- 2014 – current Associate Professor, Department of Biology, Eastern Washington University, Cheney, WA
- 2008 – 2014 Assistant Professor, Department of Biology, Eastern Washington University, Cheney, WA
- 2007 – 2008 Visiting Assistant Professor, Department of Biology, Eastern Washington University, Cheney, WA
- 2006 – 2007 Visiting Assistant Professor, Biology Department, Gonzaga University, Spokane WA
- 2006 Postdoctoral Research Associate, Department of Biology, Portland State University, Portland OR
Advisor: Dr. Sarah Eppley
- 2005 – 2006 Postdoctoral Research Associate, Department of Biology, Portland State University, Portland OR
Advisor: Dr. Mark Fishbein
- 2005 Postdoctoral Research Associate, Department of Biological Sciences, Mississippi State University, Starkville, MS
Advisor: Dr. Mark Fishbein
- 1998 – 2004 Teaching Assistant, School of Biological Sciences, Washington State University, Pullman, WA
- 1999 – 2000 Teaching/Research Assistant, Electron Microscopy Center, Washington State University, Pullman, WA
- 1996 – 1998 Undergraduate Teaching Assistant, University of California, Davis, CA

TEACHING AND MENTORING

Courses Taught

- 2008-2018 **Assistant/Associate Professor, Eastern Washington University, Cheney, WA**
Special Topics in Sustainability (SUST 139); Phycology/ Bryology (BIOL 496/596); Genetics (BIOL 310); First Year Experience Pilot: Natural Sciences (ITGS 120); Conservation Biology (BIOL 442/542); Botany (BIOL 302); Field Botany (BIOL 411); Special Topics in Ecology and Evolution: Speciation (BIOL 514); Research Seminar & Seminar Programming (BIOL 500/501); Summer Field Course (BIOL/GEOL 496/596 - 2012 Vulcanalia! Exploring Mts. Rainier and St. Helens; 2011 Goats, Glaciers and Grizzlies; 2010 Scablands to Islands; 2009 Battle of Lava and Life); Biology I, II and III (BIOL171, 172, 173); Discussion Sessions for Intro Biology (BIOL 171DS, 172DS, 173DS); Biological Investigations (BIOL 270); Molecular Ecology (BIOL 496/596); Science for Gardeners (BIOL /SUST 496); Evolution of Land Plants (BIOL496/596)
- 2008-2009 **Visiting Assistant Professor, Eastern Washington University, Cheney, WA**
Biology I, II and III (BIOL 171, 172, 173); Biological Investigations (BIOL 270)
- 2007-2008 **Visiting Assistant Professor, Gonzaga University, Spokane, WA**
Human Ecology (Biol 100); Advanced Topics: Evolution of Biological Diversity (Biol 399); Core Topics: Conservation Biology (Biol 199); Advanced Evolutionary Biology (Biol 334) Diversity of Life Labs (Biol 101L)
- 2006-2007 **Guest Instructor, Portland State University, Portland, OR**
Plant Systematics (Biol 435)
- 2000–2004 **Graduate Teaching Assistant, Washington State University, Pullman, WA**
Organismal Biology (Biol 106); Principles of Organic Evolution (Biol 405/505;) Systematic Botany (Biol 332); Plant Anatomy (Bot 409/509)
- 1999–2000 **Graduate Teaching/Research Assistant, Electron Microscopy Center, Washington State University, Pullman, WA**
Independent Projects in Basic Light, Scanning Electron and Transmission Electron Microscopy
- 1997–1998 **Undergraduate Teaching Assistant, University of California, Davis, CA**
California Floristics (PLB 102); Plant Morphology (PLB 116); Plant Anatomy (PLB 105)

Students Mentored

Graduate Students – Masters Thesis Advisor

- 2018–current Sarah Hill, *Advancing Palouse Prairie Restoration: A Needs Assessment and Forb Establishment*
- 2015–current Amy Joy Hess, *Bryozoan Taxa of the Toroweap Formation of Clark County, Nevada*
- 2013–2015 Tim Moran, *Phenotypic Characterization of the Peach (Prunus spp.) Collection at the National Clonal Germplasm Repository in Davis, CA*
- 2012–2015 Paul Reilly, *The Dietary Mineral Content of Claytonia lanceolata Corms from Multiple Populations across the Columbia Plateau Region of North America*
- 2011–2015 Cristine Schucker, *Stream Microbial Communities along an Agricultural Gradient*, Co-advised with Dr. Camille McNeely
- 2011–2012 Brian Green, Eastern Washington University, Master's Student

Graduate Students – Masters Thesis Committee member

- 2018–current Jade Clinkenbeard, Eastern Washington University
- 2017–2018 Olivia Morgan, Eastern Washington University
- 2015–2017 Samuel Gunselman, Eastern Washington University
- 2011–2013 Kristin Anicito, Eastern Washington University
- 2009–2016 Stephany Jeffers, University of Alaska, Fairbanks
- 2010–2012 Brandy Reynecke, Eastern Washington University
- 2010–2012 Savannah Hobbs-Walker, Eastern Washington University
- 2008–2009 Tonya Vanover, Eastern Washington University

Graduate Students –Teaching Assistants Mentored

- 2018 – 2019 Ethan Bean, Justin Donahue, Olivia Morgan, Wendal Kane, Shelby Prescod, Lacey Sell
- 2017 – 2018 Kaeli Davenport, Sam Gunselman, Shawna Warehime, Sarah Hindle, Bryan Witte
- 2016 – 2017 Kaeli Davenport, Bryan Witte, Olivia Morgan, Sam Gunselman, Sarah Hindle, Shawna Warehime, Cody Thomas, Chantilly Higbee
- 2015 – 2016 Sam Gunselman, Bryan Witte, Shawna Warehime, Wyatt Plastins, Jenae Yri, Adam Giles, Sarah Hindle
- 2014 – 2015 Ryan Reihart, Wyatt Plastino, Jarett Cellini, Adam Giles, Tim Moran, Erin Cubley, Derek Entz
- 2013 – 2014 Paul Reilly, Amy Gray, Erin Cubley, Tim Moran, Jessica Walston, Jarrett Shuster
- 2012 – 2013 Paul Reilly, Melody Dossey
- 2011 – 2012 Aaron Clausen, Denise Davis, Christie Schucker, Savannah Hobbs-Walker, Kristin Anicito
- 2010 – 2011 Brandy Reynecke, Conor Giorgi, Carolyn Connolly, Savannah Hobbs-Walker

Undergraduate Students –Teaching Assistants for Biology 170 series Discussion Sessions

- 2018 – 2019 Korbyn Edmondson, Amanda Chandler, Ashley Mertens, Ridge Walston, Jesse Steele
- 2017 – 2018 Kyanna Cusick, Lacey Sherman, Mitchell Gainer, Tyler Childs, Frankie Osuna, Aaron Dahl, Ivy Teitsort
- 2016 – 2017 Molly Sherwood, Jenny Headley, Morgan Pefley, Martie Johnson, Nolan Newman, Lexi Cooper, Makinzee Thomas
- 2015 – 2016 Diana McSwain, Sydney Hiebert, Erin Emery, Ross Carlson, Jacqueline Rogers, Kim LaMora
- 2014 – 2015 Sam Rogers, Alex Elison, Christopher Harding, Emily Dean, Justin Krautkraemer, Derek Schwaiger, Levi Simmons, Naomi Matson, Chris McWhirk
- 2013 – 2014 Joe Nowels, Megan Hart, Nick Miller, Marty Woolf, Jenae Yri, Nicole Woods, Rachel Weatherford, Justin Sulya, Catrina Richards
- 2012 – 2013 Brian Blackorby, Shawn Anderson, Ashley Karsh, Benjamin Waites, Justin Krautkraemer, Jason Bennetch, James Hust, Ryan Bushman, Philip Wibisono, Samuel Adams, Josh Wilson, Brandon Cooper, Eric McConnell, Jenae Yri, Nicole Woods
- 2011 – 2012 Michelle Keller, Ryan Bushman, James Hust, Jason Bennetch, Samuel Adams, Brian Blackorby
- 2010 – 2011 B.J Edwards, Dustin Duane, Nate Lewis, Kristin Stilz, Heidi Richardson, Brandon Cooper, Sarah Koehler, Dave Duffey, Dawn McSwain, Holly O'Connor, Alicia Ramsey, Matt Hadorn, Brandon Nygard, Brian Blackorby, Michelle Keller, Zachary Oxford-Romeike, Tausha Harper

Undergraduate Students – Research

- 2017 – 2018 Laurisa Ankely, *Iron rescue of antibacterial characteristics of Manuka honey*
Ryan McNair, *Herbarium Curation*; Molly Sutor, *Herbarium techniques*.

- 2016 – 2017 Laurisa Ankely, *Iron rescue of antibacterial characteristics of Manuka honey*.
- 2015 – 2016 Leo Simpson, *Induced polyploidy in Phaseolus vulgaris (Fabaceae)*.
- 2014 – 2016 Gwen Bode, *Nutrient analysis in Claytonia*
- 2013 – 2014 Christopher Batemen, Josh Riehle; *Using bacteria as bio-innoculants for nitrogen addition*.
- 2012 – 2013 Samuel Adams, Nathan Phillips; *Molecular Genetic Techniques in Plants Systematics*
- 2011 – 2012 Nastassja Noel, Evergreen State College, *Lichen Biodiversity Study, Turnbull National Wildlife Refuge*
- 2011 – 2012 Michelle Keller, McNair Scholar's Program, *Plant-fungi symbiosis, Plant Development*
- 2011 – 2012 Alicia Ramsey, *Molecular Genetic Techniques in Plants Systematics and Population Genetics*
- 2010 – 2012 David Duffey, *Molecular Genetic Techniques in Plants Systematics and Population Genetics*
- 2010 – 2011 Jesse Taylor, *Herbarium Website Development*
- 2010 – 2011 John Van Veen, *Molecular Genetic Techniques in Plants Systematics and Population Genetics*
- 2009 – 2012 Holly O'Connor, *Herbarium Techniques*
- 2009 – 2012 Josh Wilson, *Molecular Genetic Techniques in Plants Systematics and Population Genetics*
- 2009 – 2011 Alex Sligar, *Herbarium Techniques, Sustainability, Food Security and Accountability*
- 2009 – 2011 Nathan Lewis, McNair Scholar's Program, *Human Evolution, Molecular Genetic Techniques*
- 2008 – 2011 Jessica Allen, *Molecular Genetic Techniques in Plants Systematics and Population Genetics*
- 2008 – 2009 Ben Knox, *Herbarium Techniques, Molecular Genetic Techniques*
- 2008 – 2009 Ben Wellsfrey, *Herbarium Techniques*
- 2008 – 2009 Osha Morningstar, *Herbarium Techniques*

RESEARCH

- 2018 – current **Calibrating a Herb Chronology Clock in Arrowleaf Balsamroot (Asteraceae)**
- Ontogenesis of the perennation structures in *Balsamorhiza sagittata* (Pursh) Nutt.
- 1998 – current **Systematics of Montieae (Montiaceae)**
- Clade resolution in tuberous *Claytonia* using next generation sequencing techniques
- Clade resolution in *Claytonia* sect. *Claytonia* using chloroplast and nuclear markers
- Marker development for *Claytonia* sect. *Claytonia* (Montiaceae)
- Development of chloroplast markers for population genetic analyses and taxonomic revision in *Claytonia megarhiza* (Montiaceae)
- Phylogeny, biogeography and the evolution of perennation structures in *Montieae* (Montiaceae)
- 2006 **Development of Molecular Tools for Evolutionary Ecology**
- Marker conversion from sex-linked RAPD to STS in *Distichlis spicata* (Poaceae)
- Patterns of floral scent variation in a milkweed hybrid zone
- 2005 – 2006
- 2003 **Systematics of Loasaceae**
- Phylogenetics of Loasaceae

FLORISTICS, CONTRACT WORK AND CONSULTING

- 2017 Rare Plant Surveys, Washington State Parks, Pacific Biodiversity Institute, Winthrop, WA
- 2011 – 2012 Rare Plant Surveys, Lincoln County Conservation District and Washington BLM, Davenport, WA
- 2011 Comprehensive vegetation inventory and monitoring protocol development for Windy Bay Research Natural Area (RNA), Idaho BLM, Coeur d'Alene, ID
- 2008 Rare Plant Surveys, Washington State Parks, Pacific Biodiversity Institute, Winthrop, WA
- 2007 Rare Plant Surveys, Grants Pass and Glendale Resource Areas, Siskiyou Biosurveys, Ashland, OR
- 1997 – current Botanical field collections from the California Floristic Province; Pacific Northwest; Southeastern Washington; Central Alaska; and Yukon Territory, Canada
- 2001 – 2004 Curatorial Assistant, Marion Ownbey Herbarium (WS), WSU Pullman
- 2001 – 2004 Greenhouses and Growth Facilities Assistant, School of Biological Sciences, WSU, Pullman, WA
- 2002 Noxious Weed Control, Smoot Hill Preserve, School of Biological Sciences, WSU, Pullman, WA
- 1999 Project facilitator for rangeland vegetation surveys, Confederated Tribes of the Umatilla, Pendleton, OR
- 1996 – 1998 Curatorial Assistance, Davis Herbarium (UCD), Davis, CA

PRESENTATIONS

- Stoughton, T.R., D.D. Jolles, and R.L. O'Quinn. 2019. State of the Spring Beauty Union: Natural groups, species diversity, and a modern taxonomic synthesis. Botanical Society of America Annual Meetings. Tucson, AZ.

<https://www.botanyconference.org/engine/search/index.php?func=detail&aid=936>

- Stoughton, T.R., R. Kriebel, D.D. Jolles, and R.L. O'Quinn. 2018. Next-generation lineage discovery: a case study of tuberous *Claytonia* L. Botanical Society of America Annual Meetings, Rochester, MN.
<http://www.botanyconference.org/engine/search/index.php?func=detail&aid=326>
- Budsberg, E., R.L. O'Quinn, J. Bastow, and K. Merg. 2018. Restoring the Palouse Prairie at Eastern Washington University: A Collaborative Adventure. Botanical Society of America Annual Meetings, Rochester, MN.
<http://www.botanyconference.org/engine/search/index.php?func=detail&aid=903>
- O'Quinn, R.L. 2018. Palouse "Prairie" Region Restoration. Washington & Oregon Higher Education Sustainability Conference (WOHESC). Portland State University, Portland, OR
- Ankley, L., K. Camp, (R.L. O'Quinn, and A. Castillo). 2018. How supplemental iron impacts the antibacterial effect of Manuka honey. EWU Research and Creative Works Symposium, Cheney, WA *Student oral presentation*.
- Ankley, L., K. Camp, (R.L. O'Quinn, and A. Castillo). 2018. How supplemental iron impacts the antibacterial effect of Manuka honey. National Conference on Undergraduate Research, University of Central Oklahoma, Edmond, OK *Student oral presentation*
- Ankley, L., K. Camp, (R.L. O'Quinn, and A. Castillo). 2018. How supplemental iron impacts the antibacterial effect of Manuka honey. Undergraduate Research Day, Washington State Capitol, Olympia, WA *Student poster presentation*
- Ankley, L., K. Camp, (R.L. O'Quinn, and A. Castillo). 2017. How supplemental iron impacts the antibacterial effect of Manuka honey. Murdock College Science Research Conference, Spokane, WA *Student poster presentation* [Microbiology poster prize]
- Ankley, L., K. Camp, (R.L. O'Quinn, and A. Castillo). 2017. How supplemental iron impacts the antibacterial effect of Manuka honey. Annual Biomedical Research Conference for Minority Students, Phoenix, AZ *Student poster presentation*
- Ankley, L., K. Camp, (R.L. O'Quinn, and A. Castillo). 2017. How supplemental iron impacts the antibacterial effect of Manuka honey. American Society for Microbiology Northwest Branch Meeting, Washington State University, Pullman, WA *Student poster presentation* [Poster prize]
- Ankley, L., K. Camp, (R.L. O'Quinn, and A. Castillo). 2017. How supplemental iron impacts the antibacterial effect of Manuka honey. Ronald E. McNair Summer Internship Research Conference, Eastern Washington University, Cheney, WA *Student oral presentation*
- Ankley, L., K. Cusick, S. Legg, (A. Castillo, and R.L. O'Quinn) 2017. Supplemental iron offsets the antibacterial properties of Manuka Honey on *Escherichia coli*. EWU Student Research and Creative Works Symposium, Cheney, WA. *Student poster presentation*
- Ankley, L., K. Cusick, S. Legg, (A. Castillo, and R.L. O'Quinn) 2017. Supplemental iron offsets the antibacterial properties of Manuka Honey on *Escherichia coli*. National Conference on Undergraduate Research Conference, University of Memphis, Memphis, TN *Student poster presentation*
- Campbell, K. and K. Thrift (R.L. O'Quinn). 2017. Examining combined effects of ultrasound and *Lactococcus lactis* bacteriocins on *Staphylococcus aureus* biofilms. National Conference on Undergraduate Research Conference, Memphis, TN. *Student poster presentation*
- Bode, G. (R.L. O'Quinn). 2016. An analysis of water-soluble vitamin content in above and below ground biomass of *Claytonia lanceolata*, a wild foraged food. EWU Student Research and Creative Works Symposium, Cheney, WA. *Student oral presentation*
- Bode, G. (R.L. O'Quinn). 2016. An analysis of water-soluble vitamin content in above and below ground biomass of *Claytonia lanceolata*, a wild foraged food. Northeast Chapter meeting, Washington Native Plant Society, Spokane, WA *Oral presentation*
- Simpson, L. (R.L. O'Quinn). 2016. Morphological responses to colchicine induced polyploidy in *Phaseolus vulgaris* L. EWU Student Research and Creative Works Symposium, Cheney, WA. *Student oral presentation*.
- Moran, T. and R.L. O'Quinn. 2015. Phenotypic characterization of woody growth among juvenile peach trees. EWU Student Research and Creative Works Symposium, Cheney, WA. *Student oral presentation*.
- Bode, G., R.L. O'Quinn. 2015. An analysis of the aboveground biomass vitamin content of *Claytonia lanceolata*, a wild-foraged food. Botanical Society of America Annual Meetings, Edmonton, AB, CAN. Abstract in the Phytochemical Section *Student poster presentation*
<http://2015.botanyconference.org/engine/search/index.php?func=detail&aid=1261>
- Bode, G., R.L. O'Quinn. 2015. Foraged foods: An analysis of vitamin content in *Claytonia lanceolata* corms. National Conference on Undergraduate Research, Cheney, WA *Student poster presentation*
- Reilly, P., and R.L. O'Quinn. 2015. Assessing the mineral nutrition of *Claytonia lanceolata* corms from multiple populations across the Columbia Plateau region of North America. Botanical Society of America Annual Meetings, Edmonton, AB, CAN. Abstract in the Economic botany Section *Student oral presentation*

<http://2015.botanyconference.org/engine/search/index.php?func=detail&aid=1250>

- Bateman, C., and J. Richie, (R.L. O'Quinn, and S. Schwab.) 2014. Efficacy of combining nitrogen fixing bacteria as bio-inoculants. EWU Student Research and Creative Works Symposium, Cheney, WA. *Student poster presentation*.
- O'Quinn, R.L., T. Stoughton, and J. Allen. 2013. Chasing clade resolution in *Claytonia* section *Claytonia* (Montiaceae). Botanical Society of America Annual Meetings, New Orleans, LA. Abstract in Systematics Section/ASPT 4. *Oral presentation*. <http://www.botany.org/conferences/>
- Stoughton, T., D. Jolles, and R. O'Quinn. 2013. Developing a species complex: systematics and biogeography of *Claytonia lanceolata* sensu lato (Montiaceae). Botanical Society of America Annual Meetings, New Orleans, LA. Abstract in Systematics Section/ASPT 4. *Student oral student presentation*. <http://www.botany.org/conferences/>
- Reilly, P. and R.L. O'Quinn. 2013. Indigenous knowledge: assessing the nutritional content of *Claytonia lanceolata* (Montiaceae) corms. Botanical Society of America Annual Meetings, New Orleans, LA. Abstract in Economic Botany Section. *Student poster presentation*. <http://www.botany.org/conferences/>
- Reilly, P., C. Nezat and R.L. O'Quinn. 2013. Determining the genetic differences and nutritional content of *Claytonia lanceolata* (Montiaceae) corms from historically harvested populations. EWU Student Research and Creative Works Symposium, Cheney, WA. *Student poster presentation*.
- Schucker, C., C. McNeely, and R.L. O'Quinn. 2013. Stream microbial communities along an agricultural gradient. EWU Student Research and Creative Works Symposium, Cheney, WA. *Student oral presentation*.
- Noell, N., J. Allen, R.L. O'Quinn, and J. Hollinger. 2013. Lichens of Turnbull National Wildlife Refuge: a lichen inventory in the channeled scablands of eastern Washington state". Botanical Society of America Annual Meetings, New Orleans, LA. Abstract in Bryological and Lichenological Section/ABLS. *Student poster presentation*. <http://www.botany.org/conferences/>
- Keller, M., (R.L. O'Quinn). 2013. The effect of root-fungi mutualism on the development of trichomes on tomato plants. National Conference on Undergraduate Research, LaCrosse, WI. *Student oral presentation*. https://www.cur.org/ncur_2013/account/?search=true
- Keller, M., (R.L. O'Quinn). 2013. Initial investigations into the effects of root-fungi mutualism on the trichome density of tomato plants. EWU Student Research and Creative Works Symposium, Cheney, WA. *Student oral presentation*.
- Keller, M., (R.L. O'Quinn). 2012. The impact of root-fungi mutualism on the development of trichomes on tomato plants. National Ronald E. McNair Research Conference and Graduate Fair. Lake Geneva, WI. *Student oral presentation*.
- Allen, J., (R.L. O'Quinn). 2011. Two variable cpDNA markers suitable for phylogeny reconstruction in *Claytonia*. EWU Student Research and Creative Works Symposium, Cheney, WA. *Student oral presentation*.
- Lewis, N., (R.L. O'Quinn). 2011. Survey of literature related to current topics on human evolution. EWU Student Research and Creative Works Symposium, Cheney, WA. *Student oral presentation*.
- Allen, J., (R.L. O'Quinn). 2010. One small branch on the tree of life: assessing marker utility for phylogeny reconstruction in perennial spring beauties. EWU Student Research and Creative Works Symposium, Cheney, WA. *Student oral presentation*.
- Allen, J., (R.L. O'Quinn). 2010. Assessing marker utility for phylogeny reconstruction in perennial spring beauties. EWU Student Research and Creative Works Symposium, Cheney, WA. *Student poster presentation*.
- O'Quinn, R.L., M. Fishbein, T. Slotta and R. A. Raguso. 2006. Patterns of floral scent variation in an *Asclepias* hybrid zone. Botanical Society of America Annual Meetings, Chico, CA. *Oral presentation*. Abstract online: www.2006.botanyconference.org
- O'Quinn, R.L., and L. Hufford. 2004. Biogeographic diversification of *Claytonia* (Portulacaceae). Botanical Society of America Annual Meetings, Snowbird, UT. *Oral presentation*. Abstract online: <http://www.botany.org/conferences>
- O'Quinn, R.L., and L. Hufford. 2003. Homology and evolution of subterranean perennation structures in *Claytonia* sect. *Claytonia* (Portulacaceae). Botanical Society of America Annual Meetings, Madison, WI. *Oral presentation*. <http://www.botany.org/conferences/>
- O'Quinn, R.L., and L. Hufford. 2002. Phylogenetic relationships in *Montieae* (Portulacaceae) based on DNA sequences of nrITS. Botanical Society of America Annual Meetings, Mobile, AL. *Oral presentation*. <http://www.botany.org/conferences/>

INVITED PRESENTATIONS

O'Quinn, R.L., 2020. TBD. Spokane Garden Expo – Inland Empire Gardeners Association, Spokane, WA

- O'Quinn, R.L., 2019. Gardening with Natives: Simple Propagation Techniques. Farm & Food Expo – Spokane County Conservation District, Spokane, WA
- O'Quinn, R.L., 2019. Lawnsapes to Lifescapes: Natives in the Garden. Backyard Stewardship Program – Spokane County Conservation District, Spokane, WA
- O'Quinn, R.L., 2018. Lawnsapes to Lifescapes: Natives in the Garden. WSU Master Gardeners, Cabin Fever Event, Spokane, WA
- O'Quinn, R.L., 2018. Lawnsapes to Lifescapes: Natives in the Garden. Backyard Stewardship Program – Spokane County Conservation District, Spokane, WA
- O'Quinn, R.L., 2017. Lawnsapes to Lifescapes: Natives in the Garden. Backyard Stewardship Program – Spokane County Conservation District, Spokane, WA
- O'Quinn, R.L., 2016. Lawnsapes to Lifescapes: Natives in the Garden. Backyard Stewardship Program – Spokane County Conservation District, Spokane, WA
- O'Quinn, R.L., 2015. Understanding Diversification in Montieae (Montiaceae). Botany Washington 2015 – Washington Native Plant Society, Seattle, WA
- O'Quinn, R.L., 2015. Lawnsapes to Lifescapes: Natives in the Garden. Backyard Stewardship Program – Spokane County Conservation District, Spokane, WA
- O'Quinn, R.L., 2014. *Claytoni-ah!* Rancho Santa Ana Botanic Garden, Claremont Graduate Program, Claremont, CA
- O'Quinn, R.L., 2014. Lawnsapes to Lifescapes: Natives in the Garden. Backyard Stewardship Program – Spokane County Conservation District, Spokane, WA
- O'Quinn, R.L., 2013. Lawnsapes to Lifescapes: Natives in the Garden. Backyard Stewardship Program – Spokane County Conservation District, Spokane, WA
- O'Quinn, R.L., R. Hauge, J. Donnerberg, and L. Morley. 2013. Sowing the seeds of change. Poster. EWU 2nd Annual Strategic Plan Conference, Cheney, WA
- O'Quinn, R.L. 2012. Lawnsapes to Lifescapes: Natives in the Garden. Backyard Stewardship Program – Spokane County Conservation District, Spokane, WA.
- O'Quinn, R.L. 2012. A rose by any other name.... Wenatchee Valley Chapter, Washington Native Plant Society, Wenatchee, WA.
- O'Quinn, R.L. 2012. (3 dates). Cultivating a sense of place: gardening with native plants. Libraries of Stevens County, Colville, Lakeside and Chewelah, WA
- O'Quinn, R.L. 2011. Understanding diversity in Montieae (Montiaceae). Gonzaga University, Department of Biology. Spokane, WA

PUBLICATIONS

- Ankley, L., M. Monteiro, K. Camp, R.L. O'Quinn, and A. Castillo. 2019. Manuka honey chelates iron and impacts iron regulation in key bacterial pathogens. *Journal of Applied Microbiology*.
- Stoughton, T.R., R. Kriebel, D.D. Jolles, and R.L. O'Quinn. 2018. Next-generation lineage discovery: A case study of tuberous *Claytonia* L. *American Journal of Botany* 105(3): 1–13.
- Stoughton, T.R., D.D. Jolles, and R.L. O'Quinn. 2017. The Western Spring Beauties, *Claytonia lanceolata* (Montiaceae): A review and revised taxonomy for California. *Systematic Botany* 42(2): 283–300.
- Stoepler, T. M., A. Edge, A. Steel, R. L. O'Quinn and M. Fishbein. 2012. Differential pollinator effectiveness and importance in a milkweed (*Asclepias*, Apocynaceae) hybrid zone. *American Journal of Botany* 99:11.
- Eppley, S. M., R. L. O'Quinn and A. Brown. 2009. New sequence-tagged site molecular markers for identification of sex in *Distichlis spicata*. *Molecular Ecology Resources* 9: 1373-1374.
- O'Quinn, R.L. and M. Fishbein. 2008. Isolation, characterization and cross-species amplification of polymorphic loci in *Asclepias* (Apocynaceae). *Conservation Genetics* 10: 1437-1440.
- O'Quinn, R.L., and L. Hufford. 2005. Shoot morphology in the *Claytonia sibirica* complex (Portulacaceae). *Madroño* 53: 1-10.
- O'Quinn, R.L., and L. Hufford. 2005. Molecular systematics of *Montieae* (Portulacaceae): implications for taxonomy, biogeography and ecology. *Systematic Botany* 30: 314-331.
- Hufford, L., M. M. McMahon, R. L. O'Quinn, M. S. Poston. 2005. A phylogenetic analysis of Loasaceae subfamily Loasoideae based on plastid DNA sequences. *International Journal of Plant Sciences* 166: 289-300.
- Zhu, T., R.L. O'Quinn, W.J. Lucas and T.J. Rost. 1998. Directional cell-to-cell communication in the Arabidopsis root apical meristem II. Dynamics of plasmodesmatal formation. *Protoplasma* 204: 84-93.

REPORTS, BULLETINS AND ARTICLES

O'Quinn, R.L. 2011. The Herbarium at Eastern Washington University. *Douglasia* 35(3): 5-6.

O'Quinn, R.L. 2009. Appendix E: Peavine Jimmy's Threshing Barn Wood Sample Identification. In "Cultural Resources Investigations for the Peavine Jimmy Threshing Barn Rehabilitation Project, Spokane County, WA," by S. Emerson, S. Gough, R. Ives, and C.T. Lutrell. *Eastern Washington University Reports in Archeology and History* 100-127, Archeology and Historical Services, Cheney, WA

Morrison, P.H., G. Wooten, J. Rhodes, R.L. O'Quinn and H.M. Smith IV. 2008. Provisional Report: Rare Plant and Vegetation Survey of Riverside State Park. Pacific Biodiversity Institute, Winthrop, Washington. 433 p.

Wooten, G., R.L. O'Quinn, P.H. Morrison. 2008. Rare Plant and Vegetation Survey of the Lake Newport State Park. Pacific Biodiversity Institute, Winthrop, Washington. 49 p

GRANTS

- 2019 PI; Eastern Washington University Faculty Grant for Research and Creative Works, "Establishing an EWU Prairie Restoration Project Seed Production Garden". \$10,000. PENDING
- 2019 Co-PI with Drs. Bo Idsardi (Project Lead), Rebecca Brown and Justin Bastow; No Child Left Inside (NCLI) Tier 1 Grant proposal; "Palouse Prairie Restoration Education Program" Washington State Recreation and Conservation Office. \$25,000. FUNDED
- 2019 Senior Personnel; NSF-MRI Grant: "Acquisition of a Scanning Electron Microscope". NOT FUNDED
- 2018 Collaborator, EPA EE Grant proposal: "Engaging the Community in the Palouse Prairie Region Restoration (PPRR) Eastern Washington University. \$100,000. FUNDED
- 2017 Co-PI, NSF Preliminary Proposal: DEB - PHYLOGENETIC SYSTEMATICS: RUI: Next Generation Systematics of *Claytonia*. NOT INVITED TO SUBMIT FULL PROPOSAL
- 2016 Co-PI with Drs. Camille McNeely, Biology and Laurie Morley, PEHR, EWU Cheney Eastern Washington University Start Something Big Grant, "Curriculum Development for a New Sustainability Major". \$35,629.64 (\$71,259.28 Total Project Cost.) FUNDED
- 2014 Co-PI with Dr. Laurie Morley, PEHR, EWU Cheney Eastern Washington University Start Something Big Grant, "Community Sustainability Outreach: Phase I". \$2,500. FUNDED
- 2014 Co-PI with Dr. Suzanne Schwab, Biology, EWU Cheney LI-COR Environmental Education Fund (LEEF) Grant. \$52,120. FUNDED
- 2013 PI; Eastern Washington University Start Something Big Grant, "Science for Gardeners" \$480
- 2011 PI; Eastern Washington University Faculty Grant for Research and Creative Works, "Development of Chloroplast Simple Sequence Repeats (cpSSR's) for Population Genetic Analyses and Taxonomic revision of *Claytonia megarhiza* (Portulacaceae) in Western North America". \$10,000.
- 2011 Co-PI with Dr. Laurie Morley (Project Leader), PEHR, EWU Cheney Eastern Washington University, Office of Undergraduate Studies, "Partnering with K-12 School Districts and Civic Engagement" Faculty Participant with. \$4,000 FUNDED
- 2011 Washington Native Plant Society, Research Grant, "Development of Chloroplast Simple Sequence (cpSSR's) for Population Genetic Analyses and Taxonomic revision in *Claytonia megarhiza* (Portulacaceae)." \$1,200 FUNDED
- 2009 Faculty Grant for Research and Creative Works, Eastern Washington University, "Marker Assessment for Phylogenetic Utility in Perennial *Claytonia* (Portulacaceae)." \$10,000 FUNDED
- 2009 Washington Department of Fish and Wildlife, ALEA Volunteer Cooperative Grant, "Sustainable Landscaping for Wildlife: A Native Plant Demonstration Garden at WDFW Eastern Region Office." PI, grant submitted on behalf of the Northeast Chapter of the Washington Native Plant Society. \$10,780 FUNDED
- 2004 MORPH symposium travel grant, MORPH Research Coordination Network, University of Colorado, CO. \$250 FUNDED
- 2003 Biddulph Summer Research Award, School of Biological Sciences, WSU Pullman, WA \$500 FUNDED
Rexford Daubenmire Award, School of Biological Sciences, WSU Pullman, WA \$500 FUNDED
- 2002 Noe Higinbotham Award, School of Biological Sciences, WSU Pullman, WA \$1000 FUNDED
- 2001 ASPT Grant for Graduate Student Research, American Society of Plant Taxonomists. \$1000 FUNDED
- 2000-03 Betty W. Higinbotham Grant (for off-site graduate research), School of Biological Sciences, WSU Pullman, WA \$10,000 FUNDED

SERVICE

- 2017-19 Judge, American Society of Plant Taxonomists, Graduate Student Research Awards
- 2017 Facilitator, Spokane County Higher Ed Solid Waste Workshop, Gonzaga University, Spokane, WA
- 2016-17 Reader, Commencement, EWU Cheney, Cheney, WA

2016–2018 Co-Chair, University Sustainability Committee, EWU, Cheney WA
 2016–Current Member, University Facilities Committee, EWU, Cheney WA
 2016–Current Biology Faculty Representative, ISC and Science Bldg. Remodel Committee, EWU, Cheney WA
 2017–2018 Co-Chair, Plant Integrative Biologist Search Committee, Biology Department, EWU, Cheney WA
 2017–2018 Faculty Senator, Biology Department, EWU, Cheney WA
 2015 First Year Mentor, Housing and Residential Life, EWU, Cheney, WA
 2014–2017 Host, Eagle Up Volunteer Activity, EWU, Cheney, WA
 2013–2014 Member, Molecular Geneticists Search Committee, Biology Department, EWU, Cheney WA
 2013–2014 Member, Planning Committee, Biology Department, EWU, Cheney WA
 2013–2014 Vice President, Northeast Chapter, Washington Native Plant Society
 2013–2014 Member, Biostatistician Search Committee, Biology Department, EWU, Cheney WA
 2012–2013 Communicating Secretary, Northeast Chapter, Washington Native Plant Society
 2012–2014 Faculty Advisor, BSO, Biology Department, EWU, Cheney WA
 2012–2013 Co-Chair, Graduate Affairs Council, EWU, Cheney WA
 2012 Coordinator, “Forestry” Event for Science Olympiad
 2011–2013 Member, Environmental Science Program Revision Committee, EWU, Cheney, WA
 2011–2013 Member, Graduate Affairs Council, EWU, Cheney, WA
 2011–2012 Member, TLES Restructuring Committee, Department of Biology, EWU, Cheney, WA
 2011 EWU-WVSD Fall Civic Thinkers Conference, “How Can I Be a Steward in My Home, Community, and School?” EWU Cheney, WA
 2011 Local Chapter Host, “Botany Washington 2011”, Washington Native Plant Society
 2011 Co-contributor; Claytonia key, Oregon Flora Project, Oregon State University, Corvallis, OR
 2010–2011 Graduation Breakfast, Departments of Biology, Geology, and Chemistry/Physics, EWU Cheney, WA
 2010–2016 Chair, Biology 170 Series Curriculum Planning Committee, Department of Biology, EWU Cheney, WA
 2010–2013 Member, Garden Advisory Committee (EWU Sustainability Project), EWU, Cheney WA
 2010–2014 Faculty Advisor, EWU Sustainability Project, EWU, Cheney WA
 2010–2013 Member, Graduate Affairs Council, EWU, Cheney WA
 2010–2011 Executive Committee Member, State Board of Directors Washington Native Plant Society
 2010–2011 State Board of Directors Washington Native Plant Society
 2009–2011 President, Northeast Chapter, Washington Native Plant Society
 2008–2014 “Darwin Day” an annual celebration of Charles Darwin’s Birthday, EWU Cheney, WA
 2008 Co-coordinator, “Geocaching” Event for Science Olympiad
 2008–2009 Member, Graduate Curriculum Modification Committee, Department of Biology, EWU Cheney, WA
 2003–2004 Graduate Student Representative, Dean Search Committee, College of Sciences, WSU Pullman, WA
 2002–2003 Graduate Student Representative, Faculty Search Committee, School of Biological Sciences, WSU Pullman, WA
 2002 Host, Graduate Student Invited Speaker, School of Biological Sciences Seminar Series, School of Biological Sciences, WSU Pullman, WA

PROFESSIONAL MEMBERSHIPS

American Society of Plant Taxonomists
 Washington Native Plant Society
 Botanical Society of America

AWARDS AND HONORS

2013 Chairs’ Excellence Award for Service, College of Health Science and Engineering, EWU, Cheney, WA
 2008 Soaring Eagle Faculty and Staff Award, Student Life Excellence Awards, EWU, Cheney, WA
 1998 Young Botanist Award, Botanical Society of America
 Outstanding Senior Recognition, UCD Davis, Davis, CA