

CURRICULUM VITAE
Luis F. Matos, Ph.D.
Associate Professor

Department of Biology
Eastern Washington University
293A Science Bldg.
Cheney, WA 99004

Phone: (509) 359-7082
Fax: (509) 359-6867
Email: lmatos@ewu.edu

EDUCATION

- 2012 Ph.D. Entomology, University of Florida (UF), Gainesville, FL. Title: *Drosophila* and the rhabdovirus sigma: a model system for the evolution of virulence following interspecific host shifts. Advisors: Dr. James Maruniak (Virology) and Dr. Marta L. Wayne (Evolutionary genetics)
- 2002 M.S. Entomology, Washington State University (WSU), Pullman, WA. Title: Development and evaluation of artificial diets for rearing the purple loosestrife root weevil (*Hylobius transversovittatus* Goeze). Advisor: Dr. John Brown
- 1999 B.S. Biology, minor in Chemistry, and concentrations in Genetics and Zoology, California St. U. Stanislaus, Turlock, CA.

EMPLOYMENT

- 2019-present Associate Professor, Dept. of Biology, Eastern Washington University (EWU), Cheney, WA
- 2014- 2019 Assistant Professor, Dept. of Biology, Eastern Washington University (EWU), Cheney, WA
- 2014 Jan-July Visiting Assistant Prof., Dept. of Biology, EWU, Cheney, WA
- 2008-2014 Adjunct Faculty and part-time instructor, Dept. of Biology, EWU, Cheney, WA
- 2006-2008 Fellow with Science Partners in Inquiry-based Collaborative Education (SPICE) Program
- 2005-2006 Adjunct Faculty, Dept. Natural Sciences, Santa Fe Community College (SFCC), Gainesville, FL
- 2002-2006 Alumni Fellow, UF
- 2001-2002 Technical Research Assistant, Department of Entomology, WSU. Mentor: Dr. Laura Corley
- 2001-2002 Teaching Assistant, School of Biological Sciences, WSU
- 1999-2002 Research Assistant, Department of Entomology, WSU. Mentor: Dr. John Brown

TEACHING ASSIGNMENTS

- 2018-present Molecular Techniques (currently BIOL396)
- 2018-present Graduate Seminars (BIOL 500 and 501)
- 2017-present Human Genetics (BIOL 396, 2 quarters)
- 2017 Bioinformatics Capstone (BIOL 490)
- 2016-Present Molecular Biotechnology Capstone (BIOL 490A, 2 quarters)
- 2016-Present Molecular Biotechnology Lab (BIOL 488, 2 quarters)

2016-Present Molecular Biotechnology I (BIOL 485, 2 quarters)
 2015-Present Molecular Biotechnology (BIOL 489, 2 quarters)
 2015 Molecular Biology Capstone (BIOL 490)
 2015-present Current Topics in Molecular Biology (BIOL 513; 3 quarters)
 2014-Present Directed Study/Internship (BIOL 399, 495, 499; 599, 600: 164 credit hours)
 2012-Present Molecular Biology (BIOL 438; 5 quarters)
 2011-2016 Human Genetics (BIOL 496, 4 quarters)
 2010-2016 Vertebrate Zoology (BIOL 304; 8 quarters)
 2009-Present Fundamentals of Genetics (BIOL 310; 23 quarters)
 2009-2010 Molecular Biotechnology (BIOL 485, 486; 2 quarters each)
 2009-2014 Molecular Biotechnology Lab (BIOL 488, 3 quarters; 489, 3 quarters)
 2009-present Biological Investigations (BIOL 270; 4 quarters)
 2008 Research Design and Literature (BIOL 510)
 2005-2006 Introductory Biology for Non-Majors (BSC 1001), team-taught with J. Joyner-Matos

TEACHING ASSISTANTSHIPS

2004 Insect Physiology (ENY6401C), Entomology and Nematology Dept., UF
 2001-2002 Introductory Biology for Non-Majors (BIOL 102 & 105), School of Biological Sciences, WSU

GRANTS AND SCHOLARSHIPS

2018 EWU Foundation Start Something Big Grant (Category 2 grant): Flipping CSTEM: A workshop to develop a community of practice and incentivize using the flipped classroom model in more CSTEM courses. (**~\$19,452.55**)

2018 EWU Foundation Start Something Big Grant (Category 1 mini grant): EWU Biotech 2017-2018: Enhancing the student experience in the 2018 Biotech curriculum through original research. (**\$2,500**)

2018-19 Faculty Grant for Research and Creative Works to Luis F. Matos. Fitness and genetics of a host shift using *Drosophila* and the *Drosophila* C virus. (**\$9,954**)

2016 EWU President: Equipping the Swartz Biotechnology Lab in the Department of Biology at EWU. (**\$45,000**)

2016 EWU Foundation Start Something Big Grant (mini-grant): EWU Biotech 2015-2016: Synthesis and analysis of Pinene in *Chlamydomonas reinhardtii* by the students in the Biotechnology Option in the Dept. of Biology. (**\$2,000**)

2016-2017 Faculty Grant for Research and Creative Works to Luis F. Matos. The fitness cost and metabolomics of a viral host shift in the *Drosophila* model. (**\$10,000**)

2015-2016 Faculty Grant for Research and Creative Works to Luis F. Matos. Sequencing and annotation of the *Diachasmimorpha longicaudata* entomopoxvirus genome. (**\$10,000**)

- 2009 -2016 National Institutes of Health RO1 Grant GM083192 (M.L. Wayne, P.I.; \$1.2 million). "Sigma virus in *Drosophila*: a model system for the evolution of virulence." This work is a collaboration between Marta Wayne (UF), Ben Bolker (McMaster Univ.), Bob Holt (UF), and Luis F. Matos (EWU). Subcontract to LFM - Experimental evolution: artificial host shifts with *D. melanogaster* and *D. simulans* (**\$185,668**; 2009-2016)
- 2008 EPI-ICBR grants (UF), "SOLiD sequencing estimate of within-host variation for an RNA virus." M.L. Wayne, CLAS (UF) co-PIs: Benjamin Bolker, CLAS; Luis F. Matos, CALS (**\$12,200**)
- 2006 P.O. Lawrence Insect Physiology and Biochemistry Scholarship, Department of Entomology and Nematology, UF (**\$1000**)
- 2006 Travel grant from the Office of the Vice President for Research to attend and present at annual meeting of the Entomological Society of America (**\$300**)
- 2006 UF Graduate Student Council travel grant to present at the annual meeting of the Entomological Society of America (ESA) (**\$250**)
- 2005 UF Graduate Student Council travel grant to present at the annual meeting of the ESA (**\$250**)
- 2004 Sigma Xi Grants in Aid of Research. Title: How is *Diachasmimorpha longicaudata* Entomopoxvirus (DIEPV) acquired by wasp offspring? (**\$500**)
- 2001 Graduate Student Travel Award, to defray travel costs to the Annual Meeting of the Pacific Branch of the ESA (**\$246**)
- 2001 Howard and Hermina Halgarth Scholarship, WSU, Department of Entomology, to defray lodging costs of annual Meeting of the Pacific Branch of the ESA (**\$200**)
- 2000 Entomological Society of America Congress Travel Award, to attend the XXI International Congress of Entomology, Iguassu Falls, Brazil (**\$1088**)
- 2000 Howard and Hermina Halgarth Scholarship, to defray lodging costs to attend the XXI International Congress of Entomology, Iguassu Falls, Brazil (**\$568**)

MATERIALS GARNERED FOR EWU BIOLOGY DEPARTMENT

- 2018 Procured donations of chemicals and supplies from Jubilant Hollister-Stier (JHS), Spokane, WA (**>\$500**)
- 2017 Procured donations of chemicals and supplies from JHS, Spokane, WA (**>\$1,500**)
- 2016 Procured the donation of chemicals from JHS, Spokane, WA (**>\$1,500**)
- 2016 Procured the donation of chemicals from GenPrime, Spokane, WA (**>\$1,000**)
- 2015 Procured the donation of chemicals from JHS, Spokane, WA (**>\$2,500**)
- 2014 Procured the donation of chemicals from JHS, Spokane, WA (**>\$2,500**)
- 2014 Procured the donation of equipment and supplies from Signature Genomics, Spokane WA (**>\$5,000**)
- 2013 Procured the donation of equipment and supplies from Amgen, Seattle WA (**~ \$3,000**)

- 2013 Procured the donation of equipment and supplies from Signature Genomics, Spokane WA (~ **\$8,000**)
- 2013 Procured donations of live rock and animals (for aquarium) from private donors (total value estimated to be **\$2,000**)
- 2013 Procured the donation of chemicals from JHS, Spokane, WA (~ **\$2,000**)
- 2012 EWU Dept. of Biology Indirect Costs Committee grant for purchase of a -80°C freezer (**\$5,040**)
- 2012 EWU CSHE Dean's Office grant toward the purchase of a new -80°C freezer (**\$1,500**)
- 2012 EWU Grant's Office grant toward the purchase of a new -80°C freezer (**\$1,000**)
- 2012 Procured donations of aquarium equipment and live animals from private donors (~ **\$2,000**)
- 2012 Procured the donation of chemicals from Signature Genomics, Spokane, WA (~ **\$2,000**)
- 2012 Procured the donation of chemicals from JHS (~ **\$3,000**)
- 2011 Procured donations of aquarium equipment, saltwater live rock and animals from private donors to setup a marine aquarium in the Biology Department (~ **\$10,000**)
- 2011 Procured the donation of chemicals from Signature Genomics (~ **\$1,000**)
- 2011 Procured the donation of chemicals from Hollister-Stier (~ **\$2,000**)
- 2011 Procured the donation of consumable supplies and equipment from Amgen Corporation, Seattle, WA (**valued at ~ \$300,000**)
- 2010 Procured the donation of chemicals and equipment from Hollister-Stier (~ **\$3,000**)
- 2009 Procured the donation of supplies and equipment from Amgen (~ **\$20,000**)
- 2009 EWU Foundation Grant to support BIOL 488/489 class work (**\$750**)

PUBLICATIONS (*Indicates undergraduate student author)

- Elgin, S. C. R., Hauser, C., Holzen, T. M., Jones, C., Kleinschmit, A., & Leatherman, J and the Genomics Education Partnership (contributing authors: L.F. **Matos** and others) (2017). The GEP: Crowd-Sourcing Big Data Analysis with Undergraduates. *Trends in Genetics*. 33:81-85.
- Piontkivska, H., **Matos**, L.F., Paul, S. Scharfenberg, B., Farmerie, W., Miyamoto, M., and Wayne, M.L. (2016). Role of host-driven mutagenesis in determining genome evolution in sigma virus (DMelSV; Rhabdoviridae) in *Drosophila melanogaster*. *Genome Biology and Evolution*. 8:2952-2963.
- Piontkivska, H., Paul, S., Scharfenber, B., Wayne, M.L., **Matos**, L.F., Farmerie, W., and Miyamoto, M. Role of ADAR in determining the substitution pattern in sigma virus (Rhabdoviridae) in *Drosophila melanogaster*. (2014). *Computational Advances in Bio and Medical Sciences (ICCABS), 2014 IEEE 4th International Conference*.

- Brusini, J., Wang*, Y., **Matos**, L.F., Sylvester*, L.S., Bolker, B., and Wayne, M.L. (2013). Virulence evolution in a host-parasite system in the absence of viral evolution. *Evolutionary Ecology Research*. 15:883-901.
- Rittschoff, C.C., Pattanaik, S.*, Johnson, L.*, **Matos**, L.F., Brusini, J., and Wayne, M.L. (2013) Sigma virus and male reproductive success in *Drosophila melanogaster*. *Behavioral Ecology and Sociobiology* 67:529-540.
- Lawrence, P.O., **Matos**, L.F. (2005) Transmission of the *Diachasmimorpha longicaudata* rhabdovirus (DIRhV) to wasp offspring: an ultrastructural analysis. *Journal of Insect Physiology*. 51:235-241.
- Pszczolkowski M.A., **Matos**, L.F., Zahand, A.*, and Brown, J.J. (2002) Effect of monosodium glutamate on codling moth larvae fed apple leaves. *Entomologia Experimentalis et Applicata*. 103:91-98.
- Pszczolkowski M.A., **Matos**, L.F., Brown, R., and Brown, J.J. (2002) Feeding and development of codling moth, *Cydia pomonella*, (L.) (Lepidoptera: Tortricidae) larvae on apple leaves. *Annals of Entomological Society of the USA*. 95:603-60.
- Pszczolkowski M.A., **Matos**, L.F., Bushman, S.M.*, and Brown, J.J. (2001) Effects of glutamate receptor agonists and antagonists on feeding by economically important insect pest. *Acta Neurobiologiae Experimentalis*. 61: 237.
- Pszczolkowski M.A., **Matos**, L.F., Bushman, S.M.*, and Brown, J.J. (2001) Feeding enhancements for insecticide targeting neonate lepidopteran larvae. In: 6th International Symposium on Adjuvants for Agrochemicals ISAA 2001. Ed. Hans de Ruiter. Amsterdam, The Netherlands. pp. 420-424.

Manuscripts in progress

- Lopato, D. ... **Matos**, L.F., ... and Sarah Elgin. (In Review after revision). Facilitating Growth through Frustration: Using Genomics Research in a Course-based Undergraduate Research Experience. Cell Bio Ed.
- Matos**, L.F., Hooper, M.J.*, Brusini, J., Bolker, B.M., and Wayne, M.L. (In revision after review) Virulence fails to increase following artificial host shift of sigma virus to *Drosophila simulans*. *Evolution*.

PRESENTATIONS (*Indicates undergraduate student author)

- 2019 Faculty perceptions of the flipped classroom approach. NSTA/Society for College Science Teachers Conference. April 2019 in Boston, MA. Robert Idsardi, Ivy Tietsort*, Jennifer Macinelli* and Luis F. **Matos**.
- 2018 EWU research and creative works symposium. Metabolomic Characterization of a Host Shift by an RNA Virus. Emily Hendrix and Luis F. **Matos**.
- 2018 EWU research and creative works symposium. Assessing Succinic Semialdehyde Dehydrogenase *Drosophila melanogaster* Mutants. Seth Buller*, Peyton Owen* and Luis F. **Matos**.
- 2018 EWU research and creative works symposium. Effect of Serratiopeptidase Supplement on *Drosophila melanogaster*. Jessica Demyen*, Maria Paz Carrasco Ojeda*, Christina Ramelow*, and Luis F. **Matos**.

- 2018 EWU research and creative works symposium. Pinene Synthesis in Algae. Nicholas Bray*, Taylor Mauzy*, Randy Quinn*, and Luis F. **Matos**.
- 2018 EWU research and creative works symposium. Towards Developing A Colorful Approach to Prostate Cancer Screening. Alexis Johnson*, Sherry Napier*, Peyton Owen* and Luis **Matos**
- 2018 EWU research and creative works symposium. Genomic Analysis of the *Diachasmimorpha longicaudata* entomopoxvirus. Steven Smith and Luis F. **Matos**
- 2018 Annual meeting of the Entomological Society of America; Vancouver, BC, Canada. Characterizing the Early Stages of a Novel Host Shift Using Host Fitness and Metabolomics. Luis F. **Matos**, Emily Hendrix and Joanna Joyner-Matos.
- 2018 32nd National Conference on Undergraduate Research (NCUR), Eliminating the bacteria endosymbiont Wolbachia from Drosophila lines using a novel antibiotic delivery method Corrie J. Bechtold*, Mackenzie M. McPhee*, Emily K. Hendrix and Luis F. **Matos**.
- 2017 31st National Conference on Undergraduate Research (NCUR), Memphis, TN. Comparative analysis of *Diachasmimorpha longicaudata entomopoxvirus* early transcription factor genes sets DIEPV apart within the *Entomopoxvirinae* Jennifer Wilcox*, Steven Smith and L.F. **Matos**.
- 2017 31st National Conference on Undergraduate Research (NCUR), Memphis, TN. Bioinformatics Analysis of the D1R and H3L Homologs from the *Diachasmimorpha longicaudata entomopoxvirus*. Mitchell Anderson*, Steven Smith and L.F. **Matos**.
- 2016 Virulence fails to increase following artificial host shift to sigma virus to Drosophila simulans. Poster Presentation at the International Congress of Entomology. Orlando Florida. September 25-30, 2016. Luis F. **Matos**, Jeremie Brusini and Marta L. Wayne.
- 2016 Zika Virus History, Biology, Transmission, and Current Status. EWU Biology Seminar presentation. October 14, 2016. L. F. **Matos**.
- 2015 A classroom undergraduate research experience (CURE) for all biology students. Luis F. **Matos** and Joanna J. Matos. Poster presentation with peer-reviewed abstract. Poster presentation at the American Association of Colleges and Universities 2015 Network for Academic Renewal STEM Conference in Seattle, WA (Nov. 12-14).
- 2015 29th National Conference on Undergraduate Research (NCUR), Cheney, WA. Detecting *Rickettsia* sp. at Turnbull National Wildlife Refuge Using Molecular Tools. H. Johnson* and L.F. **Matos**.
- 2014 28th National Conference on Undergraduate Research (NCUR), Lexington, KY. Analysis of the DNA Polymerase gene in the *Diachasmimorpha longicaudata entomopoxvirus* suggests classification in Gammaentomopoxvirus. B. Talbot*, S. Milliron*, and L.F. **Matos**.
- 2014 28th National Conference on Undergraduate Research (NCUR), Lexington, KY. Analysis of the nucleoside triphosphate phosphohydrolase I gene from the *Diachasmimorpha longicaudata entomopoxvirus*. S. Milliron*, B. Talbot*, and L.F. **Matos**.
- 2014 28th National Conference on Undergraduate Research (NCUR), Lexington, KY. The Genome of Sigma Rhabdovirus Infecting *Drosophila melanogaster* in Washington State. M. Woods*, E. Herrera*, B. Connelly*, and L.F. **Matos**.

- 2013 Hosts, parasites, and the evolutionary genetics of host-shifts. Invited Talk presented to the Gonzaga's Department of Biology "Biology Research Seminar". L. F. **Matos**.
- 2013 27th National Conference on Undergraduate Research (NCUR), La Crosse, WI. A rhabdovirus is not attenuated to its native host following a host-shift. A.E. Medrano* and L.F. **Matos**.
- 2013 27th NCUR, La Crosse, WI. Evolution of virulence following a host shift in the *Drosophila* model. A.E. Gray*, M. Hooper*, D. Harris*, and L.F. **Matos**.
- 2013 27th NCUR, La Crosse, WI. Sequencing and Analysis of viral genomes passaged in *Drosophila* lineages. B. Vance* and L.F. **Matos**.
- 2012 EEID-PI, Berkeley, CA. Evolution of virulence following a host shift in the *Drosophila* model. L.F. **Matos**, M. Hooper*, D. Harris*, J. Brusini, and M.L. Wayne.
- 2011 Meeting of the Society for the Study of Evolution. Norman, OK. Artificially host shifted rhabdovirus sigma exhibits increased infectivity and virulence. L.F. Matos, M. Hooper*, and M.L. Wayne.
- 2011 EEID-PI, Madison, WI. Artificially host shifted rhabdovirus sigma exhibits increased infectivity and virulence. L.F. Matos, M. Hooper*, and M.L. Wayne.
- 2011 25th NCUR, Ithaca, NY. The sigma virus of *Drosophila melanogaster* demonstrates decreased infectivity when artificially shifted into *D. simulans*. M. Hooper*, M.L. Wayne and L.F. Matos.
- 2011 25th NCUR, Ithaca, NY. Argon gas is a suitable substitute for ice as an anesthetic of *Drosophila melanogaster* infected with the Sigma virus. C.R. Davies* and L.F. Matos.
- 2011 25th NCUR, Ithaca, NY. The sigma virus of *Drosophila melanogaster* demonstrates decreased infectivity when artificially shifted into *D. simulans*. M.J. Hooper*, M.L. Wayne, and L.F. Matos.
- 2010 Annual Meeting of the Society for Molecular Biology and Evolution Lyon, France. NextGen sequencing reveals within and between-host variation in sigma virus (Rhabdoviridae). Marta L. Wayne (U. Florida), W. G. Farmerie (U. Florida), L. A. Higgins (JMP Statistical Software), B. M. Bolker (U. Florida), L. Matos (EWU).
- 2009 24th NCUR, Missoula, MT. Sigma virus RNA is present in *Drosophila melanogaster* adults lacking the characteristic sigma-induced CO₂ sensitivity. C.D. LaRue*, A. Millward*, and L.F. Matos.
- 2006 Annual Meeting of the Entomological Society of America, Indianapolis, IN. Entomopoxvirus DNA replication and protein expression in the poison gland of developing *Diachasmimorpha longicaudata* pupae. L.F. Matos and P.O. Lawrence.
- 2005 Annual Meeting of the Entomological Society of America, Fort Lauderdale, Fl. *Diachasmimorpha longicaudata* Entomopoxvirus (DIEPV) DNA is present in eggs of the parasitic wasp *D. longicaudata*. L.F. Matos and P.O. Lawrence.
- 2005 Annual Meeting of the Florida Entomological Society, Fort Meyer, FL. Relationship of the *Diachasmimorpha longicaudata* Entomopoxvirus to Wasp Ova. L.F. Matos and P.O. Lawrence.
- 2003 Annual Meeting of the Entomological Society of America, Cincinnati, OH. *Diachasmimorpha longicaudata* Entomopoxvirus (DIEPV) proteins and DNA are present in *D. longicaudata* ovaries and nuclear DNA, respectively. L.F. Matos and P.O. Lawrence.

2001 Annual Meeting of the Pacific Branch of the Entomological Society of America (PBESA), Park City, UT. Development and evaluation of artificial diets for rearing *Hylobius transversovittatus* (Goeze). L.F. Matos and J.J. Brown.

2000 XXI International Congress of Entomology, Iguassu Falls, Brazil. Development and evaluation of artificial diets for rearing *Hylobius transversovittatus* (Goeze)" L.F. Matos and J.J. Brown.

2000 PBESA Annual Meeting, Costa Mesa, CA. Development and evaluation of artificial diets for rearing *Hylobius transversovittatus* (Goeze)" L.F. Matos and J.J. Brown.

AWARDS AND HONORS

2016 Chair's Excellence Award for Teaching. Department of Biology. College of Science Technology Engineering and Math. Eastern Washington University.

2002-2006 UF Alumni Fellowship

2001 WSU President's Award for Leadership and Service

2001 Student of the Year (MS) Department of Entomology, WSU

GRADUATE STUDENT COMMITTEES

Veronica Albrecht (Second member, 2018-present)

Amber Framstad (Second member, 2018-present)

Taylor Mauzy (**Chair**; 2018-present)

Katie Johnson (**Chair**; 2018-present)

Justin Donahue (Second member, 2017-2019)

Steven Smith (**Chair**; 2016-2018)

Emily Hendrix (**Chair**; 2016-2018)

Adam Giles (Second member; 2015-2017)

Robert Shadix (Second member; 2015-2017)

Chelan Rogers (Second member; 2014-2016)

Amy Gray (Second member; 2014-2016)

PROFESSIONAL AND SCHOLARLY ACTIVITY

2018 Judged the poster competition at the joint annual meeting of the Entomological Societies of America, Canada, and British Columbia.

2017 Judged the poster competition at the Murdock Conference (Nov. 2017)

2017 Reviewed a research grant for the Murdock Foundation.

2016 Reviewed National Science Foundation Graduate Research Fellowship Program applications (27) and participated in the NSF panel discussions (Jan 2017).

2015 Reviewed a research grant for the Murdock Foundation.

2015 Reviewed National Science Foundation Graduate Research Fellowship Program applications (30) and will be participating in the NSF panel discussions next week (Jan 2016).

2015 Reviewed abstracts for the 2015 National Committee on Undergraduate Research conference.

2014 Reviewed applications for the STEMposium Conference held in Spokane, WA in 2014.

UNIVERSITY AND COMMUNITY SERVICE

2018-present Member of the "Learning Team" as part of the EWU strategic plan implementation

2018-present Senator represent Biology in the faculty organization at EWU

2018 Prepared and delivered electrophoresis activity to Magori FYE course at EWU

2017-present Member: Advisory Board for the Institute of Science and Technology (North Central HS, Spokane, WA)

2017 Chair of search committee for Assistant Professor in Biology Education

2017-2018 Chair of the EWU Graduate Affairs Council

2017-2018 Member of the EWU Medals and Awards committee (as GAC chair)

2017 (Winter) Member of the CSTEM Associate Dean search committee

2016-2017 Co-Chair of the EWU Graduate Affairs Council

2016-Present Policy Development and Review Committee (PDRC; within GAC)

2016-Present Interdisciplinary Program Review Committee (IPRC; within GAC) member

2015 Participated in Science Olympiad (March 7, 2015) in Spokane, WA and ran an activity called "Disease Detectives-Division B" for twenty student teams

2015 (Fall) Member of the EWU Biology Physiologist faculty search committee

2014 (Fall)-present Member of the Policy Development and Review Committee (PDRC)

2014 (Fall)-present Member of the EWU Graduate Affairs Council (GAC)

2014 (Fall) Member of the EWU Biology Microbiologist search committee

2013-Present Member, EWU Biology Department Scholarship Committee

2013-2014 McNair Scholar Mentor to Jennifer Graham

2013-Present One to two times per year I facilitate a tour for EWU Biology students to tour the MLS program facilities at Sacred Heart Medical Center and the Molecular and Cytogenetics Diagnostics facilities at PAML in Spokane, WA.

2012 McNair Scholar Mentor to Vera Pikalova, now a graduate student in the biology program at the University of Northern Colorado

2012 Procured donations and spearheaded the setup of a saltwater tank in EWU's biology department

2012 Prepared and administered Science Olympiad activity in epidemiology

2012 Judge, Inland Northwest High School Science Symposium
 2011 Presentation on owl biology at the EWU Children's Center
 2010 Prepared and administered Science Olympiad activity in epidemiology
 2009 Forensic Entomology presentation/activity for Washington State University Young Women's Summer Science Camp (July 15, 2009)
 2008-2011 Member, EWU Biology Department Indirect Costs Committee
 2007 Mentored Shantel Johnson, UF Student Science Training Program (high school student)
 2007 Mentored Ashis Patel, UF Student Science Training Program (high school student)
 2006, 2007 Judge, Alachua Region Science Fair
 2004-2006 Seminar Committee, Department of Entomology and Nematology, UF
 2004 Graduate student representative to faculty search committee, UF
 2001-2002 Guide for tours of the WSU Electron Microscopy Center
 2000-2001 Graduate student representative to the faculty, WSU
 2000-2001 President, Entomology Club, WSU
 1999-2000 Vice-President, Entomology Club, WSU

MEMBERSHIP IN PROFESSIONAL SOCIETIES

Genetics Society of America
 Society for the Study of Evolution
 Sigma Xi Research Society
 Entomological Society of America

STUDENT MENTORED IN RESEARCH

2019-2019 Ammasie Allred, Now at WSU
 2019-present Emma Oaks, Current EWU student
 2019-present Daniel Carulli, Current EWU student
 2019-present Erin Smith, Current EWU student
 2018-present Eleanor Gorkovchencko, Current EWU student
 2018-present Gaige Felix, Current EWU student
 2018-present Connor Beard, Current EWU student
 2018-present Justin Donahue, Current EWU graduate student
 2018-present Sherry Peak,
 2018-present Katie Johnson, Current EWU graduate student
 2018-present Taylor Mauzy, Current EWU Graduate student
 2018-present Maria Paz Carrasco Ojeda, Now working in Chile.
 2017-present Seth Buller, applying for Med School

2017-present Peyton Owen, applying for Med School
2017-present Jose Osuna, applying for Med School
2017-present Kyanna Cusick, applying for Med School
2017-present Cory Bechtold, applying for Vet School
2016-2017 Mackenzie Macphee, now medical student in Yakima, WA
2016-2016 Nii Lamptey
2016-2016 Rose Toenniessen.
2015-present Mitchell Anderson, now MLS student at SHMC in Spokane, WA.
2015-present Naomi Matson
2015-2016 Emily Hendrix, MS. Now PhD. Student at WSU.
2015-present Jenifer Wilcox, now applying to Med School
2015-2016 Brooke Brosvik, now a stay at home mom
2015-2016 Gabrielle "Molly" Fisher, now PhD student at Florida State University
2014-2015 Heather Frady, now PhD student at Notre Dame
2014-2015 Samuel Rogers
2014-2014 Jordan Arakawa, now in Medical School
2014-2015 Emily Herrera
2013-2014 Meghan Woods, Practicing MPH after graduating from Simon Fraser MPH program
2013-2015 Hattie Johnson, now Nurse after graduating from WSU
2013-2015 Ben Talbot, now a medical student in Yakima, WA
2013-2015 Jennifer Graham, (McNair scholar) now PhD student at the University of Arizona.
2012-2014 Sarai Milliron, Now a vet in Boise, ID after graduating from UC Davis
2012-2015 Melissa Kensek
2012-2013 Bethany Vance, now at Animal Clinic of Spokane
2012-2013 Allyson Dunlap, now Med. Lab Sci. Seattle after MLS-SHMC Spokane, WA.
2012-2013 Jason Bennetch
2012-2013 Cameron Brown, now DPT in Spokane, WA after graduating from EWU DPT program
2011-2013 Joyce Maroney
2011-2013 Arley Medrano, now Dentist in Omak WA after UW-RIDE program
2011-2012 Brandon Cooper, Self-employed in Spokane, WA.
2011-2012 Nadine Downey
2011-2012 Tyler Gable, PhD; now working for Mettler-Toledo International, Inc.
2011-2012 Ben Knox, PhD; now working at Xymergen, Inc.
2011-2012 Vera Pikalova, now M.S. student at Univ. of Northern Colorado (McNair scholar)
2011-2012 Ghazal Meratnia, now student in WSU MS in Public Health Program
2010-2013 Amy Gray, MS. Now lecture at EWU Biology.
2010-2012 Marcus Hooper, now doctoral student at Univ. of Florida

- 2010-2012 Deborah (Steele) Harris, SHMC-Med Tech graduate and now at PAML
- 2010-2012 Stephen Sattler, now doctoral student at Washington State Univ.
- 2010-2011 Darlene Brumley, now at Hollister-Stier Laboratories
- 2010-2011 Sonny Tran, now Pharm.D. student at Univ. of Washington
- 2010-2011 Kristen Stiltz.
- 2010-2011 Michelle Brault, PhD; now postdoctoral fellow at the Univ. of Washington
- 2009-2010 Allison Millward, PA student at Nova Southeastern University in Florida, Now PA.
- 2009-2011 Chase Davies, DDS; University of Washington DDS grad, now Dentist in Wenatchee, WA.
- 2009-2011 Chelsea LaRue, now DO student at Des Moines University