**Loma Pendergraft**

Email: [pendergraft.loma@gmail.com](mailto:pendergraft.loma@gmail.com)

**Research Interests:**

Problem solving capabilities of animals, Evolutionary origins of behavior, Learning capabilities of animals, Ethology

**Education:**

2017-current Pursuing PhD

University of Washington

School of Environmental and Forest Science

**Advisor: Dr. John Marzluff**

2014-2017 Masters of Science

University of Washington

School of Environmental and Forest Science

**Advisor: Dr. John Marzluff**

2007-2011 Bachelor of Science (*magna cum laude*)

Oklahoma State University

Major: Wildlife Ecology and Management

Minor: Zoology

Honors Thesis: *Attrition of Scissor-tailed flycatchers from an Autumnal roost.*

**Advisor: Dr. Tim O’Connell**

**Scholarships and Awards:**

2017 Recipient of 2017 UW Husky 100 award

2014-2019 National Science Foundation (NSF) Graduate Research Fellowship Program (GRFP) Award

2014-2017 Achievement Rewards for College Scientists (ARCS)

2014-2015 Graduate Opportunities & Minority Achievement Program (GO-MAP) Graduate Opportunity Program Research Assistantship (GOP RA) Award

2007-2011 Eastern Band of Cherokee Indian (EBCI) Education and Training Tuition Coverage

2007-2011 Oklahoma Academic Scholars Program

2010 National Science Foundation Research Experiences for Undergraduates (REU) sponsored by the University of Central Oklahoma (UCO).

**Advisor: Dr. John Barthell**

**Teaching Experience:**

2018 BIOL 180 Field Trip Leader

University of Washington

**Coordinator: Celese Spencer**

Co-taught several morning field trips with Biol 180 students, focusing on songbird handling and mist-netting.

2012-2014 Science Teacher

Tulsa Public Schools.

**Principals: James Furch, Joshua Regnier**

*Alternatively certified by Oklahoma Commission for Teacher Preparation.*

*Taught Chemistry to 10th graders during 2012-2013, Physical Science to 8th graders during 2013-2014.*

**Guest Lecturer:**

2018 Feb 03. *Sound Waters University*

Apr 25. Sunrise of Lynnwood Retirement Center

2017 Feb 04. *Sound Waters University*

2016 Feb 22. *Methow Conservancy*

Mar 02. *Loyal Heights Homeschool Center*

Oct 09. *UW ESRM 456 (Biology and Conservation of Birds)*

Dec 20. *Tulsa Audubon Society*

**Committees:**

2016 Search committee for new Washington Cooperative Fish and Wildlife Research Unit (WACFWRU) Unit Leader. Student representative.

*Represented the graduate students of the School of Environmental and Forest Sciences (SEFS) when appraising candidates.*

*Organized student lunches with candidates, and collected/presented student opinions of candidates.*

**Research Experience:**

2015- Aviary Manager

School of Environmental and Forest Sciences, UW.

**Advisor: Dr. John Marzluff**

*Primary caretaker of wild-caught American crow (Corvus brachyrhynchos).*

*Worked with UW volunteer undergraduates, and conducted studies on cultural learning with tool use and avian neurology.*

2011-2012 Laboratory Research Assistant

Department of Zoology, OSU.

**Advisor: Dr. Alex Ophir**

*Primary manager of prairie vole (Microtus ochrogaster) colony.*

*Worked independently on a research project examining the spatial and social memory of prairie voles.*

2007-2011 Honors Thesis:

Department of Natural Resources, Ecology & Management, OSU

*Attrition of Scissor-tailed flycatchers from an Autumnal roost.*

**Advisor: Dr. Tim O’Connell**

2010 Research Assistant (NSF-REU)

Department of Biology, University of Central Oklahoma (Edmond, OK)

Department of Biology, Uludag University (Bursa, Turkey)

**Advisors: Dr. John Barthell, Dr. Harrington Wells**

*Examined feature positive and feature negative learning in European honeybees (Apis mellifera) in Greece and Turkey.*

**Conference Presentations:**

**Pendergraft LT,** Marzluff JM(2018) Fussing over food: factors affecting the vocalizations American crows utter around food. Speaker. American Ornithological Society (AOS) Annual Meeting. Apr 11-14. Tuscon, AZ.

**Pendergraft L** (2016) The influence of human feeders on American crow calls. Poster Presentation. *British Ornithologists’ Union (BOU) Annual Meeting*. Apr 5-7, 2016. Leicester, UK.

Rice M, Dolman R, Franks M, **Pendergraft L**, Ophir AG (2012) Pups reared without fathers show more social curiosity but reduced boldness. *Animal Behavior Society* (ABS). June 10-14, 2012. Albuquerque, New Mexico.

**Pendergraft L**, Bates-Albers L, Duell M, Zuniga E, Abramson CI, Cakmak I, Barthell JF, Hranitz JM, Wells H (2011) Feature positive and feature negative learning in honey bees. Poster Presentation. *Society for Integrative and Comparative Biology (SICB) Annual Meeting*. Jan 3-7, 2011. Salt Lake City, Utah.

Duell M, Apted T, Hall N, Bates-Albers L, **Pendergraft L**, Zuniga E, Sorucu A, Abramson CI, Aydin L, Barthell JF, Cakmak I, Oruc HH, Wells H, Hranitz JM, Ikizoglu D, Selova S (2011). Lethal and sublethal effects of flumethrin (VAROS-TOP®) on the Anatolian honey bee in the Republic of Turkey. *Society for Integrative and Comparative Biology (SICB) Annual Meeting*. Jan 3-7, 2011. Salt Lake City, Utah.

**Pendergraft L**, Bates-Albers L, Duell M, Zuniga E, Abramson CI, Cakmak I, Barthell JF, Hranitz JM, Wells H (2010). Feature positive and feature negative learning in honey bees. Poster Presentation. *Cameron University’s Oklahoma Research Day*. Nov 12, 2010. Lawton, OK.

**Service and Outreach:**

2016 GO-MAP Graduate Speaker. January 21, 2016.

*Presented current research in form of TED-style talk to UW undergrads. Afterwards, acted as a table captain and answered undergrads’ questions about graduate school*

2016 Clear Sky Tutor.

*Regularly tutored American Indian students in Seattle under the Clear Sky program at Nathan Hale High School.*

2012 National Lab Day participant. May 8, 2012. *Demonstrated to Oklahoma High School students some of the ethological techniques and concepts used by the Ophir Lab to study prairie vole behavior.*

2009 Guest speaker for Eastern Band of Cherokee Indians (EBCI) Tribal Education and Training Seminar. June13, 2009.

*This seminar was to encourage tribal high school students to continue their education and attend college.*

2009 Volunteer Intern at the Bird Department of the Tulsa Zoo.

2008 Volunteer Naturalist at Mary K. Oxley Nature Center

2004-2010 Volunteer songbird rehabilitator.

*Worked under a Tulsa veterinarian to care for injured or orphaned songbirds.*