

Tim Luethke

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Education

2013 B.A. in Biology (Natural History Emphasis)
The University of Portland, double minor in German and Spanish
Dean's List, GPA 3.7

Research and Work Experience

January 2013-May 2013 Teaching Assistant, Wetlands Ecology Research Lab, 20h/w
Helped conduct research of invasive Reed Canary Grass in Oregon
Wetlands. Mentored 25 students in invasive and native plant
identification, species cover, soil analysis, and transects

May 2012-May 2013 Research Associate, University of Portland, 20h/w
Conducted yearlong independent research project on decapod
limb autotomy and locomotion, including all field and laboratory
work and data analysis

January 2012-May 2013 Lead husbandry technician, University of Portland, 20h/w
Maintained 1000 gallon salt water system, built cold water
equipment, and responsible for feeding and care of hundreds of
invertebrates

June-August 2011 Exotic Plant Management, Wrangell-St. Elias National Park, 40h/w
Identified, mapped, and removed invasive plants in Alaskan front
and backcountry, led and educated groups of volunteers in
identification and removal of invasive species and habitat
restoration

June-August 2010 Intern at the Colorado Center on Law and Policy, 40h/w
Reviewed all bills passed through the Colorado Senate and House
in 2009 focusing on their effect on poverty in Colorado with the
intent to improve legislation in 2010

Publications & Presentations

Luethke, T., Maginnis, T.L., Ortman, M. (in preparation) Effects of Autotomy on the
Dorsoventral Righting Reflex in Purple Shore Crabs (*Hemigrapsus nudus*). To be submitted to:
The Journal of Experimental Biology.

Degerstedt, S., Isikbay, M., Luethke, T., Maginnis, T.L., Ortman, M. (in preparation) The Effects
of Autotomy and Regeneration on Aggression in Purple Shore Crabs (*Hemigrapsus nudus*). To
be submitted to: The Journal of Marine and Freshwater Behavior and Physiology.

Publications & Presentations (continued)

- 2012 Murdock Life Science Undergraduate Research Conference, Whitman University
Effects of Autotomy on the Dorsoventral Righting Reflex in Purple Shore Crabs (poster)
- 2013 Sigma Xi Research Conference, Portland State University
Effects of Autotomy on the Dorsoventral Righting Reflex in Purple Shore Crabs (poster)
- 2013 Oregon Academy of Science, Willamette University
Effects of Autotomy on the Dorsoventral Righting Reflex in Purple Shore Crabs
(oral presentation)

Awards, Honors & Associations

- Tri Beta Honor Society – Full Member
First Place – Undergraduate Research Competition,
Sigma Xi Research Conference – Portland State University
Holy Cross Scholarship for academic excellence – University of Portland
Ecology Club Member – University of Portland
Outdoor Club Member – University of Portland
Rotarian Youth Leadership Award for service in the community – Colorado

Field and Laboratory Skills

Plant, insect, and marine ID, transects, terrestrial and marine animal dissection,
Software capabilities – ArcGIS, Microsoft Office, SPSS (statistical program), photo
and video software, Trimble GPS data collection

Volunteer & Non-academic Employment

- 2013 University of Portland
Trained new Crab Lab husbandry technicians
- 2012 Community Outreach
Displayed crab research and University of Portland insect collection to
youth in Portland public schools
- 2012 Chief Joseph Elementary, Portland, OR
Taught lessons on Oregon habitats to second graders
- 2009 Joe's Construction, Denver, Colorado
Construction, demolition, fencing, landscaping
- 2009 Creative Options Special Education, Denver, CO
Worked with special needs students ranging from 5-10 years old
- 2008 Highline Elementary, Denver, CO
Tutored bilingual 5th graders in reading, writing, and math
- 2005 – 2008 BrainWise, Denver, CO
Developed educational tools for tutor program, tutored bilingual children

References:

Miranda Terwilliger

Ecologist

Wrangell-St Elias National Park & Preserve

907/822.7232 (AKST)

Miranda_Terwilliger@nps.gov

Tara Maginnis

Assistant Professor of Biology (marine, entomology, and evolution)

The University of Portland

503/943.8986 (office/academic year)

503/943.7269 (lab/summer)

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David Taylor

Assistant Professor of Biology (Botany)

The University of Portland

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