

Angela Gonzalez Liotta  
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## Education

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- 2022-Current                      **Ph.D., Environmental and Forest Science**  
University of Washington, Seattle WA  
Advisor: Dr. Brian Harvey
- 2022                                      **M.S., Forest Science**  
Colorado State University, Fort Collins CO  
Thesis: "Increased aridity is associated with stronger tradeoffs in ponderosa pine vital functions"  
Advisors: Dr. Miranda Redmond & Dr. Ian Pearse
- 2019                                      **B.A., Geography**  
**Minor, Evolutionary Biology & Ecology**  
Distinction, *Phi Beta Kappa*  
University of Colorado Boulder, Boulder CO
- 2017                                      **A.A., General Studies**  
*Magna Cum Laude, Phi Theta Kappa*  
Front Range Community College, Longmont CO

## Publications

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**Gonzalez AD**, Pearse IS, Redmond MD. (2023). Increased aridity is associated with stronger tradeoffs in ponderosa pine vital functions. *Ecology* 104:e4120.  
<https://doi.org/10.1002/ecy.4120>

Nigro KM, Bankston TZ, Demarest AB, Foster AC, **Gonzalez AD**, Hill EM, ... & Redmond MD. (2023). Mastication treatments increase perennial herbaceous cover across soil types in southeastern Colorado piñon-juniper woodlands. *Rangeland Ecology & Management*, 88, 28-38.  
<https://doi.org/10.1016/j.rama.2023.01.013>

Pearse IS, Wion A, **Gonzalez AD**, Pesendorfer MB. 2021 Understanding mast seeding for conservation and land management. *Phil. Trans. R. Soc. B* 20200383.  
<https://doi.org/10.1098/rstb.2020.0383>

Rodman KC, Veblen TT, Andrus RA, Enright NJ, Fontaine JB, **Gonzalez AD**, Redmond MD, Wion AP, A trait-based approach to assessing resistance and resilience to wildfire in two iconic North American conifers. *J Ecol.* 2020;00:1-14. <https://doi.org/10.1111/1365-2745.13480>

*In prep or review*

**Liotta AG, Donato DC, Halofsky JS, Harvey BJ.** *In Prep.* Drivers of post-fire tree regeneration across gradients of climate and burn severity in Eastern WA, USA.

### **Conference Presentations (\*Poster)**

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- 2023 Gonzalez AD, Donato DC, Halofsky JS, Harvey BJ. December 2023 Drivers of post-fire tree regeneration across gradients of climate and burn severity in Eastern WA, USA. *AFE*, Monterey CA.
- Gonzalez AD, Donato DC, Halofsky JS, Harvey BJ. August 2023. Drivers of post-fire tree regeneration across gradients of climate and burn severity in Eastern WA, USA. *Ecological Society of America*, Portland OR.
- Gonzalez AD, Donato DC, Halofsky JS, Harvey BJ. March 2023. Drivers of post-fire tree regeneration across gradients of climate and burn severity in Eastern WA, USA. *Washington State Society of American Foresters*, La Conner WA.
- 2022 Gonzalez AD, Donato DC, Halofsky JS, Harvey BJ. October 2023. Tracking Post-Fire Tree Regeneration in the East Cascades. *Washington Cooperative Fish and Wildlife Research Unit Annual Symposium*. Pullman, WA.
- Gonzalez AD, Pearse IS, Redmond MD. February 2022. The Effects of Drought on Resource Allocation in ponderosa pine. *Forest Range Student Ecology Symposium*. Fort Collins, CO.
- 2018 \*Gonzalez AD, Rodman KC, Veblen TT. October 2018. Drivers of Cone Production in *Pinus ponderosa*. *McNair's Scholars UNM Research Conference*. Albuquerque, NM

### **Awards, Grants, Scholarships and Fellowships**

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- 2023 Association for Fire Ecology Conference Scholarship -\$435 (student member registration fee)
- 2023-Current Center for Environmental Politics Graduate Fellow *University of Washington*.
- 2022-2023 ARCS Foundation Scholar (Fellow) - \$17,500  
GSEE Diversity Fellowship - 3 quarters graduate tuition + stipend  
UW Provost Fellowship - 2 quarters graduate tuition + stipend  
*University of Washington*.
- 2019 McNair Scholar Award- \$2,800  
- Title: *Shifts in Tree Mortality in Subalpine Zones*

- Faculty Sponsor: Thomas T. Veblen; Undergraduate Student Investigator: **Angela Gonzalez**, Graduate Student Advisor: Robert A. Andrus; *University of Colorado*.

2018  
McNair Scholar Award - \$2,800  
- Title: *Drivers of Cone Production in Pinus ponderosa*  
- Faculty Sponsor: Thomas T. Veblen; Undergraduate Student Investigator: **Angela Gonzalez**, Graduate Student Advisor: Kyle C. Rodman; *University of Colorado*.

2016-2017  
LEADS Scholar -\$3,000  
Latino Leadership, Achievement, and Development Scholars  
*Front Range Community College*.

2016-2017  
Michelle Keevan Halpern Scholar (3 semesters undergraduate tuition)

### **Teaching and Mentoring Experience**

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2023-Current  
Latino Leadership, Achievement, and Development Program  
Mentor, *Front Range Community College*

Summer 2023  
Doris Duke Conservation Scholars Program Mentor, *University of Washington*

Fall 2021  
Teaching Assistant  
F 311 – Forest Ecology, *Colorado State University*

Fall 2020  
Teaching Assistant  
F 310 – Forest and Rangeland Ecogeography, *Colorado State University*

Spring 2019  
Lab Assistant  
GEOG 4103- Introduction to GIS, *University of Colorado*

### **Research Experience**

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2022-Current  
Graduate Student Researcher  
-Advisors: Dr. Brian Harvey  
*University of Washington, School of Environmental and Forest Science*

2020-2022  
Graduate Student Researcher  
-Advisors: Miranda Redmond & Ian Pearse  
-Topic: Resource Allocation Patterns during Ponderosa Pine Masting Cycles  
*Colorado State University, Department of Forest and Rangeland Stewardship*

Summer 2019 Undergraduate Researcher, McNair Scholars Program  
 -Topic: Shifts in Tree Mortality in Subalpine Zones  
 -Advisor: Thomas T. Veblen  
*University of Colorado, Department of Geography*

Fall 2019 Undergraduate Lab Assistant  
 Advisor: Thomas T. Veblen  
*University of Colorado, Department of Geography*

Summer 2018 Undergraduate Researcher, McNair Scholars Program  
 -Topic: Drivers of Cone Production in *Pinus ponderosa*  
 -Advisor: Thomas T. Veblen  
*University of Colorado, Department of Geography*

### **Volunteer and Services**

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2023-Current *Student Association for Fire Ecology UW Chapter, President, School of Environmental and Forest Science, University of Washington.*

2023-Current *SEFS Seminar Committee, School of Environmental and Forest Science, University of Washington.*  
*Faculty Search Committee, School of Environmental and Forest Science, University of Washington.*

2022-Current *Graduate Council Member, School of Environmental and Forest Science, University of Washington.*

2021-2022 *FRS Graduate Student Mentor, Forest and Rangeland Stewardship, Colorado State University.*

2021 *Scholarship Reviewer - FRCC Foundation, Front Range Community College.*  
*Poster Judge - Celebrate Undergraduate Research and Creativity (CURC) Symposium, Forest and Rangeland Stewardship, Colorado State University.*

2020 *Forest and Rangeland Science Seminar Committee, Forest and Rangeland Stewardship, Colorado State University.*

### **Professional Affiliations**

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Ecological Society of America (ESA); Society of American Foresters (SAF); Association for Fire Ecology (AFE).

### **Other Professional Experience**

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Aug 2019-May 2020 **Financial Solutions Representative**  
 May 2014-Dec 2015 *First Tech Federal Credit Union*  
 Fort Collins, CO

Feb 2016-Mar 2018 **Banker II**

*Sunflower Bank*  
Longmont, CO

July 2013-May 2014

**Lead Teller**  
*Wells Fargo Bank*  
Loveland, CO