

## Alec S. Baird

University of California – Los Angeles  
Department of Ecology and Evolutionary Biology  
612 Charles E. Young Drive South, Box 957246  
Los Angeles, CA 90095-7246

Website: <http://www.alecbaird.weebly.com>  
Contact: [alecsbaird@gmail.com](mailto:alecsbaird@gmail.com)

### Research Interests

- Comparative plant physiology (emphasis on tree physiology)
  - Leaf level adaptation and acclimation to abiotic and biotic stress
  - Expansive leaf growth physiology
- Climate change and tree biogeography
  - Physiological drivers underlying intra- versus inter- specific trait variation

### Education & Professional Positions

- PhD in Plant Physiology, University of California: Los Angeles, U.S., Department of Ecology and Evolutionary Biology, Advisor: Dr. Lawren Sack  
**September 2017 - present**
- Research Biologist, Adaptive Symbiotic Technologies, Seattle, U.S., 2016-2017
- Post-Baccalaureate Researcher, University of Washington, Seattle, U.S., Department of Biology, 2016-2017
- Bachelor of Science in Biology (Plant) and minor in French Language and Literature. University of Washington, Seattle, U.S., 2012 - 2016
- Data Technician, University of Washington, Seattle, U.S., School of Environmental and Forest Sciences, Supervisor: Paul Fischer (Jerry Franklin Lab), 2015-2016
- Undergraduate Researcher, University of Washington, Seattle, U.S., Department of Biology, Advisors: Dr. Janneke HillsRisLammers, Dr. Elizabeth Van Volkenburgh. “The Impacts of Environmental Change on Tree (Sapling) Form and Function”, 2013 – 2016

### Publications

1. **Baird AS**, Anderegg LDL, Lacey ME, HilleRisLammers J, Van Volkenburgh E. (2017) Comparative leaf growth strategies in response to low-water and low-light availability: Variation in leaf physiology underlies variation in leaf mass per area (LMA) in *Populus tremuloides*. *Tree Physiology*. 37:1140-1150. doi: <https://doi.org/10.1093/treephys/tpx035>

### Grants & Awards

<b>University Fellowship</b> (\$3,100)	<b>2017</b>
The University of California – Los Angeles, Graduate Division	
<b>Edwin W. Pauley Fellowship</b> (\$30,000)	<b>2017</b>
The University of California – Los Angeles, College of Letters and Science	

<b>Franco Award, Best Undergraduate Research Paper</b> (\$3,000)	<b>2016</b>
The University of Washington, Department of Biology	
<b>Conference Travel Award</b> (\$850)	<b>2015</b>
The University of Washington, Undergraduate Research Program	
<b>Scholarship</b> (\$1,000)	<b>2015</b>
Washington State Nursery and Landscape Association (WSNLA)	
<b>Research Grant</b> (\$1,000)	<b>2015</b>
Washington State Nursery and Landscape Association (WSNLA)	
<b>Frye-Hotson-Rigg Award</b> (\$2,400)	<b>2015</b>
The University of Washington, Department of Biology	
<b>Summer Scholarship in Field Botany</b> (\$2,500)	<b>2015</b>
The Garden Club of America (GCA)	
<b>Travel Grant</b> (\$575)	<b>2015</b>
The American Society of Plant Biologists (ASPB)	
<b>Mary Gates Research Endowment</b> (\$4,000)	<b>2015</b>
The University of Washington	

## Presentations

1. **Baird, AS\***, Anderegg LDL., Lacey, ME., HilleRisLambers, J., Van Volkenburgh E. Comparative Leaf Growth Strategies in Response to Low-Water versus Low-Light Availability: Variation in Leaf Physiology Underlies Variation in Leaf Mass per Area. **Contributed Poster Presentation, August 2017:** Ecological Society of America (ESA) Conference, Portland, U.S.
2. Van Volkenburgh, E\*., **Baird, AS.**, Lacey, ME., Rininger, A., Cantillo-Polo, J. Mechanisms of Behavior in Plants. **Invited Oral Presentation, June 2017:** Plant Signaling and Behavior (PSB) Conference, Matsue, Japan
3. **Baird, AS\***, Anderegg, LDL., Lacey, ME., HilleRisLambers, J., Van Volkenburgh, E. Comparative Leaf Growth Strategies in Response to Low-Water versus Low-Light Availability: How Form Influences Function in *Populus tremuloides*. **Contributed Oral Presentation, May 2016:** Undergraduate Research Symposium, University of Washington, Seattle, U.S.
4. **Baird, AS\***, Anderegg, LDL., Lacey, ME., HilleRisLambers, J., Van Volkenburgh, E. Climatic and Competitive Constraints Drive Clinal Variation in *Populus tremuloides* Leaf Morphology. **Contributed Poster Presentation, May 2015:** Undergraduate Research Symposium, University of Washington, Seattle, U.S., **July 2015:** Plant Biology (ASPB) Conference, Minneapolis, U.S., **August 2015:** Ecological Society of America (ESA) Conference, Baltimore, U.S.
5. **Baird, AS\***, Kroiss, S., HilleRisLambers, J. Sapling Growth Across an Elevational Gradient: Implications of Climate Change Responses. **Contributed Poster Presentation, April 2014:** National Conference of Undergraduate Research, Eastern Washington University (**Invited & Declined**), **May 2014:** Undergraduate Research Symposium, University of Washington, Seattle, U.S.

\* = Presenting author

## Activities

### Seminars & Workshops:

**Quarterly Plant Biology Seminar: Drought and Plant Physiology** 2016 – 2017

University of Washington, Department of Biology, Seattle, WA

**Undergraduate Modeling Workshop** May 2015

Statistical and Applied Mathematical Sciences Institute (SAMSI), North Carolina State University, Raleigh, NC

**Biology 180 (1<sup>st</sup> Intro. Biology Course) Rebooting Concepts in Ecological Seminar** 2015

University of Washington, Department of Biology, Seattle, WA

**Quarterly Plant Biology Seminar: Photosynthesis** 2014 – 2015

University of Washington, Department of Biology, Seattle, WA

### Societies/Organizations:

Society of Plant Signaling and Behavior (PSB), Cactus and Succulent Society of America (CSSA), Ecological Society of America (ESA), American Society of Plant Biologists (ASPB), Union of Concerned Scientists (UCS)

### Journal Responsibilities:

Peer Reviewer: Frontiers in Plant Science (1), ScienceAsia (1)

Note: the # in “( )” denotes the number of manuscripts reviewed per journal