

# Kevin R. Ford

## Biometrician

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## Appointments

- 2016 – present. Biometrician, US Bureau of Land Management Oregon/Washington State Office
- 2014 – 2016. Research Ecologist, USDA Forest Service Pacific Northwest Research Station

## Education

- Ph.D. University of Washington, 2014  
Graduate Certificate in Climate Sciences, 2011
- B.S. Duke University, 2007, *Summa cum laude*

## Awards, fellowships and grants

- NSF Doctoral Dissertation Improvement Grant – \$14,824
- NPS George Melendez Wright Climate Change Fellowship – \$6,774
- NSF Graduate Research Fellowship
- Mazamas Research Grant – \$792
- Washington Native Plant Society Grant – \$1,170
- Botanical Field Research Award, University of Washington – \$2,745
- American Alpine Club Research Grant – \$2,000
- Program on Climate Change Graduate Fellowship, University of Washington
- Plant Biology Fellowship, University of Washington
- Achievement Rewards for College Scientists (ARCS) Fellowship, University of Washington
- Excellence in Botany Prize, Duke University
- Graduation with Distinction in Biology, Duke University
- Phi Beta Kappa, Duke University
- Howard Hughes Research Fellowship, Duke University

## Publications

- Ford KR**, HilleRisLambers J. The interactive effects of climate and soil on plant species demography and range shifts. In prep
- Ford KR**, Harrington CA, St. Clair JB. Photoperiod cues and genetic variation constrain phenological responses to climate change in warm parts of species' range: modeling diameter-growth cessation in coast Douglas-fir. In press: *Global Change Biology*
- Ford KR**, Breckheimer I, Franklin JF, Freund JA, Kroiss SJ, Larson AJ, Theobald EJ, HilleRisLambers J. 2017. Competition alters tree growth responses to climate at individual and stand scales. *Canadian Journal of Forest Research* 47: 53-62. doi: 10.1139/cjfr-2016-0188 (Editor's Choice, January 2017)
- Ford KR**, Harrington CA, Bansal S, Gould PJ, St. Clair JB. 2016. Will changes in phenology track climate change? A study of growth initiation timing in coast Douglas-fir. *Global Change Biology* 22: 3712-3723. doi: 10.1111/gcb.13328
- HilleRisLambers J, Anderegg LDL, Breckheimer I, Burns KM, Ettinger AK, Franklin JF, Freund JA, **Ford KR**, Kroiss SJ. 2015. Implications of climate change for turnover in forest composition. *Northwest Science* 89: 201-218. doi: 10.3955/046.089.0304 (invited contribution)
- Ford KR**, Ness JH, Bronstein JL, Morris WF. 2015. The demographic consequences of mutualism: ants increase host-plant fruit production but not population growth. *Oecologia* 179:435-446. doi: 10.1007/s00442-015-3341-3
- HilleRisLambers J, Ettinger AK, **Ford KR**, Haak DC, Horwith M, Miner BE, Rogers HS, Sheldon KS, Tewksbury JJ, Waters SM, Yang S. 2013. Accidental experiments: ecological and evolutionary insights and opportunities derived from global change. *Oikos* 122:1649-1661. doi: 10.1111/j.1600-0706.2013.00698.x
- HilleRisLambers J, Harsch MA, Ettinger AK, **Ford KR**, Theobald EJ. 2013. How will biotic interactions influence climate change-induced range shifts? *Annals of the New York Academy of Sciences* 1297: 112-125. doi: 10.1111/nyas.12182 (invited contribution for an NSF-funded workshop on climate change and species interactions)
- Ford KR**, Ettinger AK, Lundquist JD, Raleigh MS, Hille Ris Lambers J. 2013. Spatial heterogeneity in ecologically important climate variables at coarse and fine scales in a high-snow mountain landscape. *PLoS ONE* 8: e65008. doi:10.1371/journal.pone.0065008
- Ettinger AK, **Ford KR**, HilleRisLambers J. 2011. Climate determines upper, but not lower, altitudinal range limits of Pacific Northwest conifers. *Ecology* 92: 1323-1331. doi: 10.1890/10-1639.1

## Outreach articles

Harrington CA, **Ford KR**, St.Clair JB. 2016. Phenology of Pacific Northwest tree species. *Tree Planters' Notes* 59(2): 76-85.

**Ford KR**. 2015. Impact of climate change on the ranges of subalpine and alpine plant species at Mount Rainier. *Douglasia* 39(1) (publication of the Washington Native Plant Society).

**Ford KR**. 2012. The impacts of climate change at Mount Rainier National Park (report for Mount Rainier National Park interpretive rangers).

## Presentations

2017: Society of American Foresters, Portland Chapter Meeting. Gresham, OR, *Invited speaker*

2016: Ecological Society of America Annual Meeting. Ft. Lauderdale, FL

2016: Growth Model Users Group Meeting. Portland, OR

2015: Forest Inventory and Analysis Science Symposium. Portland, OR

2015: Northwest Climate Conference. Coeur d'Alene, ID

2015: International Association of Landscape Ecology World Congress, Portland, OR

2015: Northwest Scientific Association Annual Conference. Pasco, WA

2014: Pacific Northwest Climate Science Conference. Seattle, WA

This talk was highlighted in the Climate Impacts Research Consortium newsletter:

<http://pnwcirc.org/wildflowers-on-mount-rainier-may-struggle-to-survive/>

2014: Ecological Society of America Annual Meeting. Sacramento, CA

2014: Mount Rainier Climate Change Research Symposium. Mount Rainier National Park, WA, *Invited speaker*

2013: UW Program on Climate Change Graduate Student Seminar. Seattle, WA, *Invited speaker*

2013: Ecological Society of America Annual Meeting. Minneapolis, MN

2012: Ecological Society of America Annual Meeting. Portland, OR

2012: Conserving Plant Biodiversity in a Changing World. Seattle, WA

2011: UW Biology Graduate Student Symposium. Seattle, WA

2010: Graduate Climate Conference. Pack Forest, WA

2010: Mountain Climate Research Conference. Blue River, OR

2010: Hydrology in the 21<sup>st</sup> Century: Links to the past, and a vision for the future. Seattle, WA

2009: UW Program on Climate Change Summer Institute. Friday Harbor, WA

2009: Ecological Society of America Annual Meeting. Albuquerque, NM

2007: Duke University Biology Undergraduate Research Symposium. Durham, NC

2004: Howard Hughes Research Fellows Symposium. Durham, NC