

# Katherine (Kate) Lee Ostevik

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## EDUCATION AND PROFESSIONAL APPOINTMENTS

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| Duke University, Biology Department   | 2016-present |
| <ul style="list-style-type: none"><li>• Postdoctoral Fellow, Advisor: Dr. Mark Rausher</li></ul>  |              |
| University of British Columbia, Botany Department   | 2009–2016    |
| <ul style="list-style-type: none"><li>• PhD, Thesis: The ecology and genetics of adaptation and speciation in dune sunflowers, Advisors: Dr. Loren Rieseberg &amp; Dr. Sarah Otto</li></ul> |              |
| University of Toronto   | 2004–2008    |
| <ul style="list-style-type: none"><li>• HBSc with high distinction</li></ul>  |              |

## PEER-REVIEWED PUBLICATIONS

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- Ostevik, KL**, RL Andrews, SP Otto and LH Rieseberg. Multiple reproductive barriers separate recently diverged sunflower ecotypes. *Evolution*. ID# 16-0040. (in review)
7. Todesco, M, MA Pascual, GL Owens, **KL Ostevik**, BT Moyers, S. Hubner, SM Heredia MA Hahn, C. Caseys, DG Bock and LR Rieseberg. 2016. Hybridization and Extinction. *Evolutionary Applications* 2016: Feb 1.
  6. Campitelli, BE, AJ Gorton, **KL Ostevik** and JR Stinchcombe. 2013. The effect of leaf shape on the thermoregulation and frost tolerance of an annual vine, *Ipomoea hederacea* (Convolvulaceae). *American Journal of Botany* 100: 2175-2182.
  5. **Ostevik, KL**, B Moyers, GL Owens and LH Rieseberg. 2012. Little evidence for parallel ecological speciation in plants. *International Journal of Ecology* 2012: Article ID 939862.
  4. Andrew, RL, **KL Ostevik**, DP Ebert and LH Rieseberg. 2012. Adaptation with gene flow across the landscape in a dune sunflower. *Molecular Ecology* 21: 2078-2091.
  3. Southcott, L and **KL Ostevik**. 2011. Bromeliad population genetics reveals species cohesion against the odds. *Molecular Ecology* 20: 3081-3083.
  2. **Ostevik, KL**, J Manson and JD Thomson. 2010. Pollination potential of male bumble bees (*Bombus impatiens*): movement patterns and pollen-transfer efficiency. *Journal of Pollination Ecology* 2: 21-26.
  1. Dempewolf, H, NC Kane, **KL Ostevik**, M Geleta, Z Lai, MS Barker, ML Stewart, E Bekele, QCB Cronk and LH Rieseberg. 2010. Establishing genetic tools and resources for *Guizotia abyssinica* (L.f.) Cass. – the development of a library of expressed sequence tags, microsatellite loci and the sequencing of its chloroplast genome. *Molecular Ecology Resources* 10: 1048-1058.

## SCHOLARSHIPS AND GRANTS

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- SSE Hamilton Award finalist 2016
- UBC Four Year Fellowship 2011
- NSERC PGS D3 2010
- NSERC CGS M 2009
- UBC Entrance Scholarship 2009
- NSERC Bright Scholarship (declined) 2009
- Dr. James A. and Connie P. Dickson Scholarship 2007, 2008
- Dr. Leslie Paul Nyman Scholarship 2007
- Donald A. Chant Biology Scholarship (WWF Canada) 2007
- NSERC USRA 2007
- C.L. Burton Scholarship 2005

## ORAL PRESENTATIONS

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- Kate Ostevik\*. 2016. Dune adaptation facilitates speciation in sunflowers. PAG XXIV, San Diego, USA.
- Kate Ostevik\*, Rose Andrew, Sarah Otto, Loren Rieseberg. 2015. Genetic linkage facilitates speciation with gene flow in dune sunflowers. Evolution, Guarujá, Brazil.
- Loren Rieseberg\*, Kate Ostevik, Xing Fan, Daniel Ortiz-Barrientos. 2015. Sexual Selection and Rates of Molecular evolution in Flowering plants. PAG XXIII, San Diego, USA.
- Kate Ostevik\*, Rose Andrew, Sarah Otto, Loren Rieseberg. 2013. Reproductive barriers between *Helianthus petiolaris* ecotypes. ESEB, Lisbon, Portugal.
- Kate Ostevik\*, Rose Andrew, Sarah Otto, Loren Rieseberg. 2013. Reproductive barriers between *Helianthus petiolaris* ecotypes. CSEE, Kelowna, Canada.
- Kate Ostevik\*. Speciation, Sunflowers and Sand Dunes. 2012. EVO-WIBO, Port Townsend, Washington, USA.
- Kate Ostevik\*. Speciation, Sunflowers and Sand Dunes. 2012. Botany Graduate Student Research Symposium, Vancouver, BC, Canada.
- Kate Ostevik\*. 2012. Sand Dune Adaptation. Great Sand Dunes National Park and Preserve, Mosca, Colorado, USA. (invited seminar)

## POSTER PRESENTATIONS

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- Botany Graduate Student Research Symposium, Vancouver, BC, Canada, 2013
- Joint meeting of SSE, CSEE, and ESEB, Ottawa, Ontario, 2012 (CSEE first runner up)
- UBC/SFU/UVic EEB Retreat, Brackendale, BC, Canada, 2009 (first prize)
- U of T EEB Independent Study Research Fair, Toronto, Ontario, Canada, 2008
- U of T ROP Research Fair, Toronto, Ontario, Canada, 2006

## TEACHING EXPERIENCE

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- Guest lecturer for Evolutionary Processes in Plants at UBC 2011, 2015
- Lecturer on Evolutionary Ecology for ElderU at Capilano University 2014
- Biostatistics TA (BIO300) at UBC 2014
- Beaty Biodiversity Museum educator 2012
- Evolutionary Processes in Plants TA (BIOL 415) at UBC 2011
- Basic Genetics TA (BIOL 334) at UBC 2010

- Instruction Skills Workshop (INDS 501) 2009
- Peace by PEACE Education Director 2007–2008
- Volunteer grade five teacher with Peace by PEACE 2004–2008

## MENTORSHIP

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- Kasey Moran (Lab Technician) 2016
- Sean Montgomery (UBC Co-op) 2014
- Corey Cheng (UBC Work-Study) 2012-2013
- Michaela Hofmann (Germany's DAAD RISE Program) 2012
- Kashifa Hafeez (UBC Work-Study) 2012
- Nicole Warren (UBC Work-Study) 2011

## RESEARCH EXPERIENCE

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- Laboratory technician, Rieseberg Lab, UBC Botany 2008–2009
- Research assistant, Rocky Mountain Biological Research Station 2008
- Herbarium technical assistant, Royal Ontario Museum 2007-2008
- Undergraduate researcher, Stinchcombe Lab, U of T EEB Department 2007–2008
- Undergraduate researcher, Thomson Lab, U of T EEB Department 2007
- NSERC USRA, Thomson Lab, U of T EEB Department 2007
- Undergraduate researcher, McAndrews Lab, U of T Botany 2005–2006

## REVIEWING EXPERIENCE

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- Heredity, PLOS Genetics, PLOS ONE, PLOS Biology, Molecular Ecology, American Journal of Botany, New Phytologist

## VOLUNTEER EXPERIENCE AND OUTREACH

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- Researcher Revealed at the Beaty Biodiversity Museum 2014
- Lecturer on Evolutionary Ecology for ElderU at Capilano University 2014
- Botany Graduate Student Symposium organizer 2013
- EVO-WIBO conference volunteer 2012
- Beaty Biodiversity Museum educator 2012
- UBC/SFU/UVic EcoEvo Retreat co-organizer 2010
- Srivastava Career Mentoring Workshop co-organizer 2010
- UBC Biodiversity Research Seminar Series volunteer 2009–2010