

Kimberly J. Gilbert

Ph.D. Candidate

CONTACT INFORMATION

Department of Zoology
The University of British Columbia
6270 University Boulevard
Vancouver, BC V6T 1Z4, Canada

E-mail: kgilbert@zoology.ubc.ca
Website: [Kimberly J. Gilbert](#)

EDUCATION

Ph.D. Zoology, University of British Columbia 2011 – Present
Advisor: Dr. Michael C. Whitlock
B.Sc. Biology, University of Virginia, Graduated with Distinction 2006 – 2010

AWARDS & FUNDING

Zoology Graduate Fellowship, UBC 2014 – 2015
Frieda Granot Graduate Scholarship in Interdisciplinary Research 2013 – 2014
Theodore E Arnold Fellowship 2013 – 2014
Patrick David Campbell Graduate Fellowship 2013 – 2014
Declined; Zoology Graduate Fellowship, UBC 2013 – 2014
Zoology Graduate Student Travel Award, UBC 2013
CIEE Synthesis Meeting Travel Grant, Landscape Genetics Graduate Seminar 2012
BRITE Fellowship, UBC 2011 – 2013

PUBLICATIONS

- [1] Vines TH, AYK Albert, RL Andrew, F Débarre, DG Bock, MT Franklin, **KJ Gilbert**, J-S Moore, S Renaut, DJ Rennison (2014) The availability of research data declines rapidly with age. *Current Biology*, 24, 94-97. [LINK](#)
- [2] Vines, TH, RL Andrew, DG Bock, MT Franklin, **KJ Gilbert**, NC Kane, EJ Kleynhans, J-S Moore, BT Moyers, S Renaut, DJ Rennison, T Veen, S Yeaman (2013) Mandated archiving greatly improves access to research data. *FASEB Journal*, 27(4), 1304-1308. [LINK](#)
- [3] **Gilbert KJ**, RL Andrew, DG Bock, MT Franklin, NC Kane, J-S Moore, BT Moyers, S Renaut, DJ Rennison, T Veen, TH Vines (2012) Recommendations for utilizing and reporting population genetic analyses: The reproducibility of genetic clustering using the program STRUCTURE. *Molecular Ecology*, 21(20), 4925-4930. [LINK](#)
- [4] Keller, SR, **KJ Gilbert**, PD Fields, DR Taylor (2012) Bayesian inference of a complex invasion history revealed by nuclear and chloroplast genetic diversity in the colonizing plant, *Silene latifolia*. *Molecular Ecology*, 21(19), 4721-4734. [LINK](#)
- [5] Whitlock, MC and **KJ Gilbert** (2012) Q_{ST} in a hierarchically structured population. *Molecular Ecology Resources*, 12(3), 481–483. [LINK](#)

PRESENTATIONS

Evaluating methods for estimating effective population size in the presence of migration – KJ Gilbert & MC Whitlock
2014 *Talk:* Evolution 2014 Meeting, Raleigh, NC, USA
2014 *Talk:* Evo-WIBO Conference (Evolutionary Biology in the Pacific Northwest)
Estimating effective population size in natural populations: Are we making assumptions we should not be making? – KJ Gilbert
2013 *Talk:* Evolution 2013 Meeting, Snowbird, Utah, USA

2013 *Talk*: Canadian Society for Ecology and Evolution (CSEE), Kelowna, BC
 Local adaptation in the lodgepole pine (*Pinus contorta*). – KJ Gilbert & MC Whitlock

2012 *Talk*: SFU-UBC-UVic Ecology and Evolution Retreat, Brackendale, BC
 Effective population size estimates in a demographically and genetically monitored metapopulation of *Silene latifolia*. – KJ Gilbert, PD Fields, DR Taylor

2012 *Poster*: Evolution Ottawa, 1st Joint Congress on Evolutionary Biology
 Range expansion and adaptation across heterogeneous environments.
 – KJ Gilbert & MC Whitlock

2012 *Talk*: Landscape Genetics Symposium, CIEE Graduate Mini-Course, Toronto
 2012 *Poster*: Evo-WIBO Conference (Evolutionary Biology in the Pacific Northwest)
 Inferred invasion history of *Silene latifolia* into North America utilizing population genetic data and approximate Bayesian computation.
 – KJ Gilbert, SR Keller, PD Fields, DR Taylor

2011 *Poster*: 13th Congress of the European Society for Evolutionary Biology, Tuebingen, Germany
 2011 *Poster*: SFU-UBC-UVic Ecology and Evolution Retreat, Brackendale, BC

TEACHING EXPERIENCE

Fundamentals of Evolutionary Biology, BIOL 336
 Fall 2012, Spring 2013
 Three discussion sections, 15 students each; covers natural selection; population genetics, quantitative genetics and systematics; classical and molecular approaches to the study of evolution.

Fundamentals of Biostatistics, BIOL 300
 Fall 2013
 Statistical procedures for biological research; estimation, hypothesis testing, goodness of fit, analysis of variance and regression; use of computers for statistical analysis.

PREVIOUS RESEARCH EXPERIENCE

Independent Study & Research Technician September 2009 – June 2011
 - Taylor Lab, University of Virginia – Evolution and Population Genetics Laboratory
 - Genetic analysis of metapopulation processes in the *Silene-Micobotryum* host-pathogen system
 Supervisors:
 • Dr. Douglas R. Taylor, Professor, Dept. of Biology, Univ. of Virginia
 • Peter D. Fields, Ph.D. Candidate, Dept. of Biology, Univ. of Virginia
 • Dr. Janis Antonovics, Lewis and Clark Professor of Biology, Dept. of Biology, Univ. of Virginia

Field Technician & Research Assistant May 2009 – August 2009
 - Blandy Experimental Farm – The University of Virginia
 - Field research on effects of tropospheric ozone on native vs. invasive tree species
 Supervisors:
 • Dr. David E. Carr, Research Associate Professor, Dept. of Environmental Sciences; Director, Blandy Experimental Farm, Univ. of Virginia
 • Eric E. Elton, Ph.D. Candidate, Dept. of Environmental Sciences, Univ. of Virginia

Bird Banding Intern

May 2008 – August 2008

- Monitoring Avian Productivity and Survivorship (MAPS) – [The Institute for Bird Populations](#)
 - Extracted, banded, and processed passerines and near-passerines during summer breeding season to monitor populations of local species
- Supervisory Biologist:
- James Junda

VOLUNTEER &
OUTREACH

Reviewer for *Ecology and Evolution*

Graduate Student Council Member for the [American Society of Naturalists](#) Sep. 2013 –

Volunteer mist-netting and bird banding with [Wild Research](#) Jan. 2013 –

- Participate in winter, spring migration, and fall migration bird monitoring at Iona Island Bird Observatory, Vancouver, BC
- Assist in teaching other volunteers and visitors to the station about the species in the area and the general tasks of running a banding station

COLLABORATORS

- [Dr. Peter D. Fields](#), Post-doctoral Fellow, U. Basel
- [Dr. Stephen R. Keller](#), Assistant Professor, U. of Maryland Center for Environmental Science
- The Reproducibility Group at UBC
 - [Dr. Timothy H. Vines](#), Managing Editor, *Molecular Ecology & Molecular Ecology Resources*
 - [Dr. Arianne Albert](#), Biostatistician, Women's Health Research Institute, UBC
 - [Dr. Rose L. Andrew](#), Lecturer in Botany, U. of New England
 - [Dan G. Bock](#), Ph.D. Student, Dept. of Botany, UBC
 - [Dr. Florence Débarre](#), Lecturer, U. of Exeter
 - [Dr. Michelle T. Franklin](#), Postdoctoral Fellow, Dept. of Biology, Simon Fraser U.
 - [Dr. Nolan C. Kane](#), Research Associate, U. of Colorado, Boulder
 - [Dr. Jean-Sébastien Moore](#), Postdoctoral Fellow, Dept. of Biology, U. Laval
 - [Brook T. Moyers](#), Ph.D. Candidate, Dept. of Botany, UBC
 - [Dr. Sébastien Renaut](#), Postdoctoral Fellow, Dept. of Botany, UBC
 - [Diana J. Rennison](#), Ph.D. Candidate, Dept. of Zoology, UBC
 - [Dr. Thor Veen](#), Postdoctoral Fellow, Biodiversity Research Centre, UBC
 - [Dr. Sam Yeaman](#), Postdoctoral Fellow, Dept.s of Forestry and Botany, UBC
- [Dr. Douglas R. Taylor](#), Professor, U. of Virginia