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Graduate students are underlined (name); Undergraduates are underlined and italicized (*name*)
All listed students have given permission for their name to appear. Students who have not given permission for their name to appear have been covered following *FIPPA* guidelines (██████████)

A EDUCATION

- PhD Biology – Arizona State University, Tempe Arizona, United States (1994 – 1999)
 Advisor – Therese Markow, Ph.D., Regents' Professor (now at UC San Diego)
 Title – Understanding intra-population variation in the mating behavior of a field cricket
- MSc Watershed Ecosystems – Trent University, Peterborough Ontario, Canada (1991-1993)
 Advisor – Michael Berrill, Ph.D., Professor (Retired)
 Title – Variation in male mating behaviour and female choice of the gray treefrog
- HBSc Biology – Trent University, Peterborough Ontario, Canada (1986-1990)
 Advisor – Michael Berrill, Ph.D., Professor (Retired)
 Title – The territorial behaviour of juvenile threespot damselfish, *Pomocentris planifrons*

B EMPLOYMENT (All Academic)

- 2010- Associate Professor, Department of Biology, Carleton University
 2013-16 Undergraduate Chair, Department of Biology, Carleton University
 2008-12 Assistant Dean of Science (Recruitment and Retention), Carleton University
 2008-12 Director, Science Student Success Centre Carleton University
 2006-10 Assistant Professor, Department of Biology, Carleton University
 2002-06 Assistant Research Professor, School Life Sciences, Arizona State University
 1999-02 Faculty Research Associate, Department of Biology, Arizona State University
 1999-03 Course Instructor, Department of Biology, Arizona State University
 1999-03 Academic Coordinator and Program Manager, MARC, Arizona State University
 1994-98 Teaching Associate (16 semesters), Arizona State University
 1993-94 Course Instructor for Animal Behaviour (3 semesters), Trent University

C EDITORSHIPS, BOARD POSITIONS, & PROFESSIONAL HONOURS

- 2014- Secretary and Officer of the Animal Behavior Society Executive Committee
 2013- Academic Editor for PeerJ (<https://peerj.com/SueBertram/>)
 2011-15 Scientific Advisory Committee Member of the Canadian Institute Ecology & Evolution (CIEE/ICEE)
 2011-12 National Symposium on Student Retention's Directors Award: Best Paper
 2007 NSERC Discovery Accelerator Supplement Nominee
 1997 Animal Behavior Society's Memorial Founders' Award for Best Poster 1997
 1997 Philanthropic Educational Organization Women's Academic Scholarship
 1996-97 Arizona State Life Sciences Graduate Symposium Best Presentation Award
 1994-99 Regents' Graduate Academic Scholarship, Arizona State University
 1995 Organization for Tropical Studies Fellowship

D GRANTS AND FUNDING AWARDS**1. Research Grants and Awards (\$1,154,715 to date; assumed \$US=\$CA)**

Carleton University Development Grant Award – Linking Mating Preferences to Sexually Selected Traits and Offspring Viability; 2014 (CA\$9,000). PI: S.M. Bertram, Co-PI: P. Adair Gowaty.

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- CURIE (Carleton University Research Impact Endeavour) Grant from the Carleton University Scholarly Communications Committee; 2014 (US\$1350 for an open access publication in *PLOS ONE*) PI: S.M. Bertram
- CURIE (Carleton University Research Impact Endeavour) Grant from the Carleton University Scholarly Communications Committee; 2013 (US\$1350 for an open access publication in *PLOS ONE*) PI: S.M. Bertram
- CURIE (Carleton University Research Impact Endeavour) Grant from the Carleton University Scholarly Communications Committee; 2013 (CA\$200 for an open access publication in *Ideas in Ecology and Evolution*) PI: S.M. Bertram
- National Science and Engineering Research Council Discovery Grant – Maintenance of Variation in Sexually Selected Traits: a Nutritional Ecology Approach; 2012-2016 (CA\$21,000/year; CA\$105,000 total). PI: S.M. Bertram
- Canadian Foundation for Innovation (Leaders Opportunity Fund) – Behavioural Acoustic Research Facility; 2007-2012 (CA\$85,000 from CFI plus monies from ORF and Carleton). PI: S.M. Bertram.
- Ontario Research Fund (Research Infrastructure Funding) – Behavioural Acoustic Research Facility; 2007-2012 (CA\$85,000 from ORF plus monies from CFI and Carleton). PI: S.M. Bertram.
- Carleton University (CFI/OUF Match) – Behavioural Acoustic Research Facility; 2007-2012 (CA\$43,803 from Carleton plus monies from CFI and ORF). PI: S.M. Bertram.
- Petro Canada Young Innovators Award – Understanding variation in fitness conferring traits. 2007-2008 (CA\$10,000). PI: S.M. Bertram.
- National Science and Engineering Research Council Discovery Grant – Understanding variation in fitness conferring traits; 2007-2012 (CA\$29,450/year; CA\$147,750 total). PI: S.M. Bertram.
- National Science and Engineering Research Council Research Tools and Instruments 1 – Elemental Analyzer; 2007 (CA\$55,414). PI: S.M. Bertram.
- National Science Foundation Integrative Organismal Systems – 0446415 Collaborative research: division of labor in communal groups; 2005-2008 (US\$307,160). PI: J.H. Fewell; Co-PI: S.M. Bertram, P. Kukuk.
- National Science Foundation Integrative Organismal Systems – 0131728 The influence of fluctuating countervailing selection in maintaining within population variation in sexually selected traits; 2002-2005 (US\$211,157). PI: S.M. Bertram.
- National Science Foundation Integrative Organismal Systems – 0131728 The influence of fluctuating countervailing selection in maintaining within population variation in sexually selected traits; 2002-2005 (US\$28,031 Supplement). PI: S.M. Bertram.
- National Science Foundation Integrative Organismal Systems – 9623034 The role of selection in maintaining variation in mate communication; 1996-1998 (US\$10,000 Dissertation Improvement Grant). PI: S.M. Bertram.
- National Science and Engineering Research Council Postgraduate Scholarship for study at Arizona State University; 1994-1996 (CA\$18,500/year; CA\$55,500 total).
- National Science and Engineering Research Council Postgraduate Scholarship for study at a Canadian University; 1993-1995 (CA\$16,000/year; Declined to apply for an award abroad).

2. Mentoring Grants and Awards (Sum = \$3,033,400 to date; Assumed \$US=\$CA)

- First Generation Project for Carleton University - Ontario Minister of Training – Colleges and Universities; 2010-2012 (CA\$423,000). PI: Ryan Flannigan; Co-writer: S.M. Bertram
- National Science Foundation Integrative Organismal Systems – 6560523 Undergraduate Travel to Animal Behavior Society Meetings; 2006-2010 (US\$60,060). PI: E. Martins; Co-PI: S.M. Bertram, P. Kukuk, P. Hill.
- National Institutes of Health National Institute of General Medical Sciences – Minority Access to Research Careers (MARC) at Arizona State University; 2003-2008 (US\$2,484,340). PI: J.H. Fewell, Director; Co-PI: S.M. Bertram.
- National Science Foundation Integrative Organismal Systems – 0446415 The influence of fluctuating countervailing selection in maintaining within population variation in sexually selected traits; 2005 (US\$6,000 Research Experience Undergraduates). PI: S.M. Bertram.
- National Science Foundation Integrative Organismal Systems – 0131728 The influence of fluctuating countervailing selection in maintaining within population variation in sexually selected traits; 2004 (US\$12,000 Research Experience Undergraduates). PI: S.M. Bertram.
- National Science Foundation Integrative Organismal Systems – 0131728 The influence of fluctuating countervailing selection in maintaining within population variation in sexually selected traits; 2003 (US\$24,000 Research Experience Undergraduates). PI: S.M. Bertram.
- National Science Foundation Integrative Organismal Systems – 0131728 The influence of fluctuating countervailing selection in maintaining within population variation in sexually selected traits; 2002 (US\$24,000 Research Experience Undergraduates). PI: S.M. Bertram.

E PUBLICATIONS

1. Refereed Scholarly Publications (N=70; 25 published since last NSERC submission)

- ⁷⁰ Boutin, S.R.T., S.J. Harrison, L.P. Fitzsimmons, E.M. McAuley and S.M. Bertram. 2016. Same-sex sexual behaviour in crickets: Understanding the paradox. *Animal Behavior* *** Accepted December 22 2015; Published *** 2016
<http://dx.doi.org/10.1016/j.anbehav.2016.01.022>
- ⁶⁹ Loranger, M. and S.M. Bertram. 2016. The effect of male dominance on female choice in a field cricket (*Gryllus assimilis*). *Animal Behavior* *** Accepted December 22 2015; Published *** 2016 <http://dx.doi.org/10.1016/j.anbehav.2016.01.020>
- ⁶⁸ Montroy, K., M.J. Loranger, and S.M. Bertram. 2015. Male crickets adjust their aggressive behaviour when a female is present. *Behavioural Processes* 124:108-114
Published December 17 2015
- ⁶⁷ Kolluru, G.R.*, C. Castillo, M. Hendrickson, M. Hughes, P. Krause, K. LePiane, C. McCann, E. Pavia, C. Porter, R. Rodriguez, T. Rodriguez-Cabrera, E. Scott, M. Willrodt, S.M. Bertram*. 2015. Sexual selection in black morph *Girardinus metallicus* (Pisces: Poeciliidae): females can spot a winner (but we cannot). *Ethology* 121:12:1212-1224; doi:10.1111/eth.12434 Published November 10 2015 * these authors contributed equally and lead authorship was determined by a coin toss

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- ⁶⁶ Harrison, S.J., D. Raubenheimer, S.J. Simpson, J-G.J. Godin, and S.M. Bertram. 2014. Towards a synthesis of frameworks in nutritional ecology: interacting effects of proteins, carbohydrates and phosphorus on field cricket fitness. *Proceedings of the Royal Society of London Series B* 281:1792:20140539 <http://dx.doi.org/10.1098/rspb.2014.0539> Published August 20 2014.
- ⁶⁵ Pacheco, K. and S.M. Bertram. 2014. How male sound pressure level influences phonotaxis in virgin female Jamaican field crickets (*Gryllus assimilis*). *PeerJ* 2:e437 <https://doi.org/10.7717/peerj.437> Published June 10 2014.
- ⁶⁴ Kolluru, G.R. *, S.M. Bertram*, E.H. Chin, C.V. Dunmeyer, and J.S. Graves. 2014. Mating behaviour and its morphological correlates in two color morphs of *Girardinus metallicus* (Pisces: Poeciliidae), a species previously thought not to exhibit courtship display. *Behavioural Processes* 106:44-52 doi: 10.1016/j.beproc.2014.04.007 Published April 26 2014 * these authors contributed equally and lead authorship was determined by a coin toss
- ⁶³ Thomson, I.R., C-A. Darveau, and S.M. Bertram. 2014. Body morphology, energy stores, and muscle enzyme activity explain cricket acoustic mate attraction signalling variation. *PLOS ONE* 9:3:e90409 doi: 10.1371/journal.pone.0090409 Published March 7 2014
- ⁶² Thomson, I.R. and S.M. Bertram. 2014. Spring field crickets (*Gryllus veletis*) use two different pulse types when signaling to attract mates. *Journal of Insect Behavior* 27:2:217-227 doi:10.1007/s10905-013-9421-5 Published March 2014
- ⁶¹ Pacheco, K., J.W. Dawson, M. Jutting and S.M. Bertram. 2013. How age influences phonotaxis in virgin female Jamaican field crickets (*Gryllus assimilis*). *PeerJ* 1:e130; doi:10.7717/peerj.130 Published August 8 2013
- ⁶⁰ Fitzsimmons, L.P., and S.M. Bertram. 2013. Playing to an audience: the social environment influences aggression and victory displays. *Biology Letters* 9:4: 20130449 doi:10.1098/rsbl.2013.0449 Published August 23 2013
- ⁵⁹ Bertram, S.M., S.J. Harrison, I.R. Thomson, and L.P. Fitzsimmons. 2013. Adaptive plasticity in wild field cricket's acoustic signaling. *PLOS ONE* 8(7): e69247. doi:10.1371/journal.pone.0069247 Published July 23 2013
- ⁵⁸ Bertram, S.M., and M. Katti. 2013. The social biology professor: effective strategies for social media engagement. *Ideas in Ecology and Evolution* 6:22-31 doi:10.4033/iee.2013.6.5.f Published June 2013
- ⁵⁷ Fitzsimmons, L.P., and S.M. Bertram. 2013. No relationship between long-distance acoustic mate attraction signals and male fertility or female preference in spring field crickets. *Behavioral Ecology and Sociobiology* 67(6):885-893. doi:10.1007/s00265-013-1511-z Published June 2013
- ⁵⁶ Harrison, S.J., I.R. Thomson, C.M. Grant, and S.M. Bertram. 2013. Calling, courtship, and condition in the fall field cricket, *Gryllus pennsylvanicus*. *PLOS ONE* 8(3):e60356. doi:10.1371/journal.pone.0060356 Published March 20 2013
- ⁵⁵ Fitzsimmons, L.P., and S.M. Bertram. 2013. Signaling effort does not predict aggressiveness in male spring field crickets. *Behavioral Ecology and Sociobiology* 67(2):213-220 doi:10.1007/s00265-012-1441-1 Published February 2013
- ⁵⁴ Bertram, S.M. and V.L.M. Rook. 2012. Relationship between condition, aggression, signaling, courtship and egg laying in the field cricket, *Gryllus assimilis*. *Ethology* 118(4):360-372 doi:10.1111/j.1439-0310.2011.02019.x Published April 2012

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- ⁵³ Thomson, I., Vincent, C.M., and S.M. Bertram. 2012. Success of the parasitoid fly *Ormia ochracea* (Diptera: Tachinidae) on natural and unnatural cricket hosts. *Florida Entomologist* 95(1):43-48 doi:10.1653/024.095.0108 Published March 2012
- ⁵² Bertram, S.M., L.P. Fitzsimmons, E.M. McAuley, H.D. Rundle, and Gorelick, R. 2012. Phenotypic covariance structure and its divergence for acoustic mate attraction signals among four cricket species. *Ecology and Evolution* 2(1):181-195 doi:10.1002/ece3.76 Published January 2012
- ⁵¹ Bertram, S.M., I. Thomson, B. Auguste, J.W. Dawson and C.-A. Darveau. 2011. Variation in cricket acoustic mate attraction signaling explained by body morphology and metabolic differences. *Animal Behaviour* 82(6):1255-1261 doi:10.1016/j.anbehav.2011.08.021 Published December 2011
- ⁵⁰ Bertram, S.M., V.L.M. Rook., J.M. Fitzsimmons, and L.P. Fitzsimmons. 2011. Variation in cricket acoustic mate attraction signaling explained by body morphology and metabolic differences. *Animal Behaviour* 82(6):1255-1261 doi:10.1016/j.anbehav.2011.08.021 Published December 2011
- ⁴⁹ Bertram, S.M. and V.L.M. Rook. 2011. Jamaican field cricket mate attraction signals provide age cues. *Ethology* 117(11):1050-1055 doi: 10.1111/j.1439-0310.2011.01958.x Published November 2011
- ⁴⁸ Bertram, S.M., J. Nelson, and L. Visanuvimol. 2011. Early identification and intervention influences the success of first-year at-risk science, mathematics and engineering students. *Proceedings of the 7th Annual National Symposium on Student Retention* Published November 2011
- ⁴⁷ Fitzsimmons, L.P. and S.M. Bertram. 2011. The calling songs of male spring field crickets (*Gryllus veletis*) change as males age. *Behavior* 148(9):1045-1065 doi:org/10/1163/000579511X588812 Published November 2011
- ⁴⁶ Gorelick, R., L.J. Derraugh, J. Carpinone, and S.M. Bertram. 2011. Pre-karyogamic sexual selection: mate choice inside an egg cell. *Ideas in Ecology and Evolution* October 4:14-23 doi:10.4033/iee.2011.4.3.n Published October 2011
- ⁴⁵ Visanuvimol, L. and S.M. Bertram. 2011. How dietary phosphorus availability during development influences cricket condition and life history traits of the cricket, *Acheta domesticus*. *Journal of Insect Science* 11:e63:1-17 Published May 17 2011
- ⁴⁴ Klaus, S.P., L.P. Fitzsimmons, T.E. Pitcher, and S.M. Bertram. 2011. Song and sperm in crickets: A trade-off between pre- and post-copulatory traits or phenotype-linked fertility? *Ethology* 117(2):154-162 Published February 2011
- ⁴³ Whattam, E.M. and S.M. Bertram. 2011. Effects of juvenile and adult condition on long-distance call components in the Jamaican field cricket *Gryllus assimilis*. *Animal Behaviour* January 81(1):135-144 Published January 2011
- ⁴² Bertram, S.M., V. Rook, and L. Fitzsimmons. 2010. Strutting their stuff: victory displays in the spring field cricket, *Gryllus veletis*. *Behaviour* 147(10):1249-1266 Published September 2010
- ⁴¹ Gorelick, R. and S.M. Bertram. 2010. Multi-way multi-group segregation and diversity indices. *PLoS ONE* 5(6): e10912. doi:10.1371/journal.pone.0010912 Published June 1 2010
- ⁴⁰ Wilson, A.D.M., E.M. Whattam, R. Bennett, L. Visanuvimol, C. Lauzon, and S.M. Bertram. 2010. Behavioral correlations across activity, mating, exploration,

- aggression, and antipredator contexts in the European house cricket. *Behavioural Ecology and Sociobiology* 64(5):703-715.
- ³⁹ Visanuvimol, L. and S.M. Bertram. 2010. Dietary phosphorus availability influences female cricket lifetime reproductive effort. *Ecological Entomology* 35(3):386-395. *Published June 2010*
- ³⁸ Vincent, C.M., and S.M. Bertram. 2010. Reproductive compensation: a review of the *Gryllus* spp. – *Ormia ochracea* host-parasitoid system. *Journal of Insect Behaviour* 23(5):340-347. *Published September 2010*
- ³⁷ Vincent, C.M., and S.M. Bertram. 2010. Crickets groom to avoid lethal parasitoids. *Animal Behaviour* 79(1):51-56.
- ³⁶ Vincent, C.M., and S.M. Bertram. 2009. The parasitoid fly *Ormia ochracea* (Diptera: Tachinidae) can use juvenile crickets as hosts. *Florida Entomology* 92(4):598-600.
- ³⁵ Vincent, C.M., and S.M. Bertram. 2009. Collection and laboratory culture of *Ormia ochracea* (Diptera: Tachinidae). *Journal of Entomological Science* 45(1):1-7.
- ³⁴ Bertram, S.M., E.M. Whattam, L. Visanuvimol, R. Bennett, and C. Lauzon. 2009. Phosphorus availability influences cricket mate attraction displays. *Animal Behaviour* 77(2):525-530
- ³³ Bertram, S.M. and R. Gorelick. 2009. Quantifying and comparing mating systems using normalized mutual entropy. *Animal Behaviour* 77(1):201-206.
- ³² Holbrook, C.T., R.M. Clark, R. Jeanson, S.M. Bertram, P.F. Kukuk, and J.H. Fewell. 2009. Emergence and consequences of division of labor in associations of normally solitary sweat bees. *Ethology* 115(4):301-310.
- ³¹ Gorelick, R., S.M. Bertram. 2009. Swimming eastern chipmunks, *Tamias striatus*, and hairy-tailed mole, *Parascalops breweri*, in Kawartha Highlands Provincial Park, Ontario. *Canadian Field Naturalist* 122:1(73-75).
- ³⁰ Jeanson, R., R.M. Clark, C.T. Holbrook, S.M. Bertram, J.H. Fewell, P.F. Kukuk. 2008. Division of labour and socially-induced changes in response thresholds in associations of solitary halictine bees. *Animal Behaviour* 76:593-602.
- ²⁹ Bertram, S.M., M. Bowen, M. Kyle, and J. Schade. 2008. Extensive natural intraspecific variation in stoichiometric (C:N:P) composition in two terrestrial insect species. *Journal of Insect Science* 8(26):1-7. *** NOTE: in WEB OF SCIENCE TWICE; when looking for citations for publications, search under both versions ***
- ²⁸ Bertram, SM, D Kemp, JS Johnson, SX Orozco & R Gorelick. 2007. Heritability of acoustic signalling time in the Texas field cricket, *Gryllus texensis*. *Evolutionary Ecology Research* 9:975-986.
- ²⁷ Jeanson, R., J.H. Fewell, R. Gorelick, and S.M. Bertram. 2007. Emergence of increased division of labor as a function of group size. *Behavioural Ecology and Sociobiology* 62(2):289-298.
- ²⁶ Gorelick, R. and S.M. Bertram. 2007. Quantifying division of labor: borrowing tools from sociology, sociobiology, information theory, landscape ecology, and biogeography. *Insectes Sociaux*. 54(2):105-112.
- ²⁵ Bertram, S.M. 2007. Positive relationship between signalling time and flight capability in the Texas field cricket, *Gryllus texensis*. *Ethology* 113(9):875-880.
- ²⁴ Bertram, S.M., J. Schade, J.J. Elser. 2006. Signalling and phosphorus: correlations between mate signalling effort and body elemental composition in crickets. *Animal Behaviour*. 72:899-907.

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- ²³ Bertram, S.M., and M. Bowen. 2006. Field cricket species differences in the temporal patterns of long-distance mate attraction signals. *Ethology* 112(9):850-857.
- ²² Bertram, S.M. and P. Warren. 2005. Tradeoffs in signalling components differ with signalling effort. *Animal Behaviour* 70(3):477-484.
- ²¹ Bertram, S.M., S.X. Orozco, and R. Bellani. 2004. Temporal shifts in conspicuousness: mate attraction displays of the Texas field cricket, *Gryllus texensis*. *Ethology* 110:963-975.
- ²⁰ Orozco, S.X., and S.M. Bertram. 2004. Parasitized male crickets exhibit reduced trilling bout rates and durations. *Ethology* 110(11):909-917.
- ¹⁹ Gorelick, R., S.M. Bertram, P. Killeen., and J.H. Fewell. 2004. Normalized mutual entropy in biology: Quantifying division of labour. *American Naturalist* 164(5):677-682.
- ¹⁸ Bertram, S.M., L.A. Johnson, J. Clark, and C. Chief. 2004. An electronic acoustic recorder for quantifying total signaling time, duration, rate and magnitude in acoustically signaling insects. *Technical Acoustics* 2004(20):1-8.
- ¹⁷ Bertram, S.M., R. Gorelick, and J.H. Fewell. 2003. Colony response to graded resource changes: an analytical model of the influence of genotype, environment, and dominance. *Theoretical Population Biology* 64(2):151-162
- ¹⁶ Gorelick, R. and Bertram, S.M. 2003. Maintaining heritable variation via sex-limited temporally fluctuating selection: a phenotypic model accommodating non-Mendelian epigenetic effects. *Theory in Biosciences* 122(4):321-338.
- ¹⁵ Bertram, S.M. 2002. Temporally fluctuating selection of sex-limited signaling traits in the Texas field cricket, *Gryllus texensis*. *Evolution* 56(9):1831-1839
- ¹⁴ Fewell, J. H. and S.M. Bertram. 2002. Evidence for genetic variation in worker task performance by African and European honey bees. *Behavioral Ecology and Sociobiology* 52(4):318-325
- ¹³ Bertram, S.M. and R. Bellani¹. 2002. Influence of photoperiod on temporal mate signaling patterns in the Texas field cricket, *Gryllus texensis*. *Journal of Insect Behavior* 15(4):607-615
- ¹² Bertram, S.M. 2002. The influence of rearing and monitoring environment on temporal mate signaling patterns in the field cricket, *Gryllus texensis*. *Journal of Insect Behavior* 15(1):127-137
- ¹¹ Bertram, S.M. 2000. The influence of age and size on temporal mate signaling behaviour. *Animal Behaviour* 60(3):333-339
- ¹⁰ Fewell, J.H. and S.M. Bertram. 1999. Division of labor in a dynamic environment: response by honeybees (*Apis mellifera*) to graded changes in colony pollen stores. *Behavioral Ecology and Sociobiology* 46(3):171-179
- ⁹ Bertram, S.M. and L. Johnson. 1998. An electronic technique for monitoring the temporal aspects of acoustic signals of captive organisms. *BioAcoustics* 9:107-118
- ⁸ Bertram, S.M., and M. Berrill. 1997. Population fluctuations in a northern population of gray treefrogs (*Hyla versicolor*). In: Amphibians in Decline. Ed. D. Green. *Herpetological Conservation* 1: 57-63
- ⁷ Berrill, M., S.M. Bertram, and B. Pauli. 1997. Effects of pesticides on amphibian embryos and tadpoles. In: Amphibians in Decline. Ed. D. Green. *Herpetological Conservation* 1: 233-245

- ⁶ Bertram, S.M., M. Berrill, and E. Nol. 1996. Male mating success and variation in chorus attendance within and among breeding seasons in the gray treefrog (*Hyla versicolor*). *Copeia* 1996:729-734
- ⁵ Berrill, M., S.M. Bertram, B. Pauli, D. Coulson, M. Kolohon, and D. Ostrander. 1995. Comparative sensitivity of amphibian tadpoles to single and pulsed exposures of the forest-use insecticide fenitrothion. *Environmental Toxicology and Chemistry* 14:1011-1018
- ⁴ Berrill, M., S.M. Bertram, L. McGillivray, M. Kolohon, and B. Pauli. 1994. Effects of low concentrations of forest-use pesticides on frog embryos and tadpoles. *Environmental Toxicology and Chemistry* 13:657-664
- ³ Berrill, M., S.M. Bertram, A. Wilson, S. Louis, D. Brigham, and C. Stromberg. 1993. Lethal and sublethal impacts of pyrethroid insecticides on amphibian embryos and tadpoles. *Environmental Toxicology and Chemistry* 12:525-539
- ² Berrill, M., S.M. Bertram, D. Brigham¹, and V. Campbell¹. 1992. A comparison of three methods of monitoring frog populations. In: Declines in amphibian populations: designing a national monitoring strategy. C. Bishop and K. Pettit (eds.) Occasional paper #76, *Canadian Wildlife Service*
- ¹ Berrill, M., S.M. Bertram, P. Tosswill¹, and V. Campbell¹. 1992. Is there a bullfrog decline in Ontario? In: Declines in amphibian populations: designing a national monitoring strategy. C. Bishop and K. Pettit (eds.) Occasional paper #76, *Canadian Wildlife Service*

2. Scholarly Work Submitted / Revising for Re-Submission (N=6)

- ⁶ Gorelick, R., M. Mansfield, D. Fraser, J.W. Dawson, S. Wijenayake and S.M. Bertram. 2016. Abrupt shortening of bird W chromosomes in ancestral Neognathae. Resubmitted to *Biological Journal of the Linnean Society* (BJLS-4483) on February 25, 2016
- ⁵ Susan M. Bertram, M.J. Loranger, I.R. Thomson, S.J. Harrison, G.L. Ferguson, M.L. Reifer, D.H. Corlett, and P.A. Gowaty. 2016. Linking mating preferences to sexually selected traits and offspring viability: good- vs compatible-genes hypotheses. Submitted to *Animal Behaviour* on February 10, 2016
- ⁴ Bertram, S.M.*, C. Healy, J. Hogge, Z. Kritikos, J. Pipitone, and G.R. Kolluru*. 2015. A boldness-aggression syndrome in subordinate but not dominant males of a poeciliid fish. Submitted to *Behaviour* on January 3, 2016 (BEH-D-16-00001)
- ³ McCauley, E.M. and S.M. Bertram. 2016. Male Texas field crickets, *Gryllus texensis*, compensate for unattractive static long-distance mate attraction signals by increasing investment in dynamic signalling effort. Revising for submission to *Animal Behaviour*
- ² Vincent, C. and S.M. Bertram. 2016. Cost of immunity: females - but not males - exhibit resource-dependent reproductive output when infected. Revising for submission to *PlosOne* after incorporating comments from an earlier submission
- ¹ Bertram, S.M., I.R. Thomson, S.J. Harrison, G.L. Ferguson, and L.P. Fitzsimmons. 2016. Variation in mate signaling and size: comparison of wild and laboratory-reared males of two field cricket species. Revising for submission to *PlosOne* after incorporating comments from an earlier submission

3. Non-Peer Reviewed Publications (N=6)

- ⁶ Bertram, S.M, 2016. Editor: Animal Behavior Society Newsletter – February Edition version 61:1 (<http://www.animalbehaviorsociety.org/NEWSLETTERS/61-1/>)
- ⁶ Bertram, S.M, 2015. Editor: Animal Behavior Society Newsletter – August Edition version 60:4 (<http://www.animalbehaviorsociety.org/NEWSLETTERS/60-4/>)
- ⁵ Bertram, S.M, 2015. Editor: Animal Behavior Society Newsletter – August Edition version 60:3 (<http://www.animalbehaviorsociety.org/NEWSLETTERS/60-3/>)
- ⁴ Bertram, S.M, 2015. Editor: Animal Behavior Society Newsletter – May Edition version 60:2 (<http://www.animalbehaviorsociety.org/NEWSLETTERS/60-2/>)
- ³ Bertram, S.M, 2015. Editor: Animal Behavior Society Newsletter – February Edition version 60:1 (<http://www.animalbehaviorsociety.org/NEWSLETTERS/60-1/>)
- ² Bertram, S.M, 2015. Editor: Animal Behavior Society Newsletter – November Edition version 59:4 (<http://www.animalbehaviorsociety.org/NEWSLETTERS/59-4/>)
- ¹ Bertram, S.M. and S. Margulis. 2014. Editor: Animal Behavior Society Newsletter – August Edition version 59:3 (<http://www.animalbehaviorsociety.org/NEWSLETTERS/59-3/>)

F. OTHER SCHOLARLY OR PROFESSIONAL ACTIVITIES

1. Papers Presented

1a. Technical papers presented (N=80; 25 presented since last NSERC submission)

- ⁸⁰ Bertram, S.M. 2016. Audience Effects. Winter Animal Behaviour Conference, Colorado (January) Talk.
- ⁷⁹ Bertram, S.M., M.J Loranger, M. Tepper, I.R. Thomson, S.J. Harrison, G.L. Ferguson, D.H. Corlett, M. Reifer, P.A. Gowaty. 2015. Cricket Mating Preference Evolution: Good Genes Rule. Insect Sound and Vibration Conference, Ottawa Ontario (July) Talk.
- ⁷⁸ Bertram, S.M., M.J Loranger, M. Tepper, I.R. Thomson, S.J. Harrison, G.L. Ferguson, D.H. Corlett, M. Reifer, P.A. Gowaty. 2015. Cricket Mating Preference Evolution: Good Genes Rule. Animal Behavior Society, Anchorage, Alaska (July) Talk.
- ⁷⁷ Bertram, S.M. 2015. Team Based Learning Approach to Teaching Biology Undergraduates – an Animal Behaviour Approach. Carleton University's Teaching and Learning Event (April) Invited Speaker.
- ⁷⁶ Bertram, S.M. 2014. Fighting, Signalling, and Courting: Understanding Variation in Cricket Sex. Interdisciplinary Research Group in Ecology and Evolution, Texas A&M University (September) Invited Speaker.
- ⁷⁵ Bertram, S.M., M.J. Loranger, I.R. Thomson, S.J. Harrison, G.L. Ferguson, M.L. Reifer, D.H. Corlett, P.A. Gowaty. 2014. Linking Mating Preferences to Sexually Selected Traits and Offspring Viability. Animal Behavior Society, Princeton, New Jersey (August) Poster.
- ⁷⁴ Bertram, S.M. 2014. Team Based Learning Approach to Teaching Biology Undergraduates – an Animal Behaviour Approach. Department of Biology, California Polytechnic State University (April) Invited Speaker.

Graduate students are underlined (name); Undergraduates are underlined and italicized (*name*)
 All listed students have given permission for their name to appear. Students who have not given permission for their name to appear have been covered following **FIPPA** guidelines (██████████)

- ⁷³ Bertram, S.M. 2013. Fighting, Signalling, and Courting: Understanding Variation in Cricket Sex. Department of Biology, University of Massachusetts, Amherst (October) Invited Speaker.
- ⁷² Bertram, S.M. 2013. Influencing the Success of First-year “At Risk” Science Students. Department of Organismal and Evolutionary Biology, University of Massachusetts, Amherst (October) Invited Speaker.
- ⁷¹ Bertram, S.M. 2013. Fighting, Signalling, and Courting: Understanding Variation in Cricket Sex. Department of Biology, California Polytechnic State University (May) Invited Speaker.
- ⁷⁰ Bertram, S.M. 2013. Fighting, Signalling, and Courting: Understanding Variation in Cricket Sex. Department of Biology, California State University Northridge (April) Invited Speaker.
- ⁶⁹ Bertram, S.M. 2013. Sexual Selection: Why Crickets are an Ideal Model Organism. Ecology and Evolutionary Biology Course – Evolution for Everyone, University of California Los Angeles (April) Invited Speaker.
- ⁶⁸ Bertram, S.M. 2013. Fighting, Signalling, and Courting: Understanding Variation in Cricket Sex. Department of Biology, University of California Riverside (April) Invited Speaker.
- ⁶⁷ Bertram, S.M. 2013. Fighting, Signalling, and Courting: Understanding Variation in Cricket Sex. Ecology and Evolutionary Biology, University of California Los Angeles (April) Invited Speaker.
- ⁶⁶ Bertram, S.M. 2013. Fighting, Signalling, and Courting: Understanding Variation in Cricket Sex. Social Insect Research Group, Arizona State University, Tempe, AZ (March) Invited Speaker.
- ⁶⁵ Bertram, S.M., N. Morehouse, D. Raubenheimer, S. Simpson, S. Harrison, and A. Kay. 2013. Integrating behavioural and nutritional ecology. School of Life Sciences Graduate Course – Ecological Stoichiometry, Arizona State University, Tempe, AZ (March) Invited Speaker.
- ⁶⁴ Bertram, S.M. 2012. Fighting, Signalling, and Courting: Understanding Variation in Cricket Sex. Department of Biology, Trent University, Peterborough, Ontario (December) Invited Speaker.
- ⁶³ Bertram, S.M. 2012. Influencing the Success of First-year “At Risk” Science Students. McGill Strategic Enrolment Management (SEM) Advising and Graduate Supervision Conference, November. Plenary Speaker
- ⁶² Bertram, S.M., N. Morehouse, D. Raubenheimer, S. Simpson, S.J. Harrison, and A. Kay. 2012. Integrating behavioural and nutritional ecology. Evolution: 1st Joint Congress on Evolutionary Biology, Ottawa, Ontario (July) Talk
- ⁶¹ Bertram, S.M. and L.R. Fitzsimmons. 2012. Aggression and victory displays are influenced by the sex of the audience. Animal Behavior Society, Albuquerque, New Mexico (June) Talk
- ⁶⁰ Gorelick, R. (presenter) L.J. Derraugh, J. Carpinone, and S.M. Bertram. 2012. Sexual selection inside and egg cell. Animal Behavior Society, Albuquerque, New Mexico (June) Talk
- ⁵⁹ Bertram, S.M. 2012. Variation and interplay among sexually selected traits. University of Pittsburgh, Pennsylvania (February) Invited Talk.

- ⁵⁸ Bertram, S.M. 2012. Factors influencing student success in science. Interdisciplinary Lunch Event, Carleton University, Ottawa Ontario (February) Invited Talk.
- ⁵⁷ Bertram, S.M., J. Nelson, and L. Visanuvimol. 2011. Early identification and intervention influences the success of first-year at-risk science, mathematics and engineering students. Proceedings of the 7th Annual National Symposium on Student Retention, Charleston, South Carolina (November) Talk.
- ⁵⁶ Bertram, S.M., J. Nelson, and L. Visanuvimol. 2011. Science Volunteers Affecting Change: Mentoring through the Science Student Success Centre. Proceedings of the 7th Annual National Symposium on Student Retention, Charleston, South Carolina (November) Poster.
- ⁵⁵ Bertram, S.M., E.M. Whattam, L.R. Fitzsimmons, and R. Gorelick. 2011. Relationship between effort and fine-scale temporal and spectral components of acoustic mate attraction displays in crickets. Canadian Society for Ecology and Evolution Annual Meeting, Banff, Alberta (May) Talk.
- ⁵⁴ Bertram, S.M., E.M. Whattam, and L.R. Fitzsimmons. 2010. The interplay between quality and quantity of acoustic mate signals in crickets. International Society for Behavioural Ecology, Perth, Australia. (Oct) Talk.
- ⁵³ Bertram, S.M. and L. Visanuvimol. 2010. Influence of phosphorus on cricket reproduction. International Society for Behavioural Ecology Post Conference Symposium on Uniting Nutritional Ecology with Behavioural Ecology, Perth, Australia. (Oct) Talk.
- ⁵² Whattam, E. and S.M. Bertram (presenter). 2009. Does female body condition influence which sexual signals are more important in two cricket species? Society for the Study of Evolution Annual Meeting, Moscow, Idaho. (June) Poster.
- ⁵¹ Bertram, S.M. 2009. Darwin Symposium Discussant: Adaptive explanation for why males seize and restrain females, Patricia Adair Gowaty, (UCLA). Carleton University, Ottawa
- ⁵⁰ Bertram, S.M., A. Wilson, E. Whattam, R. Bennet, L. Visanuvimol, and C. Lauzon. 2008. Cricket behavioural syndromes. Canadian Society for Ecology and Evolution Meeting, Vancouver.
- ⁴⁹ Jeanson, R. (presenter), R.M. Clark, C.T. Holbrook, S.M. Bertram, J.H. Fewell, P.F. Kukuk. 2008. Division of labour and socially-induced changes in response thresholds in associations of solitary halictine bees. International Ethological Conference, Rennes, France.
- ⁴⁸ Bertram, S.M., A. Wilson, E. Whattam, C. Lauzon, L. Visanuvimol, and R. Bennett. 2007. Do field crickets exhibit behavioural syndromes? Animal Behaviour Society Annual Meeting, Burlington, Vermont.
- ⁴⁷ Bertram, S.M. 2007. Understanding variation in traits that confer fitness. Carleton University's Biology Society series entitled: "What's in your lab?"
- ⁴⁶ Fewell, J.H., R. Jeanson, P. Kukuk, and S.M. Bertram. 2007. Self-organization and the evolution of diversity of labor in cooperative insect groups. Animal Behaviour Society Annual Meeting, Burlington, Vermont.
- ⁴⁵ Bertram, S.M., E. Whattam, L. Visanuvimol, A. Zabarauskas, and R. Bennett. 2007. How dietary nitrogen and phosphorus influence cricket reproductive success. 1st Annual Meeting of the Canadian Society of Ecology and Evolution, Toronto, Ontario, Canada.

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All listed students have given permission for their name to appear. Students who have not given permission for their name to appear have been covered following **FIPPA** guidelines (██████████)

- ⁴⁴ Bertram, S.M. 2007. Insect Behaviour and Stoichiometry. Carleton – Agriculture Canada Workshop, Carleton University, Ottawa, Ontario.
- ⁴³ Bertram, S.M. 2007. Understanding variation in sexually selected traits: Crickets as a model organism. Brock University, St. Catharines
- ⁴² Jeanson, R., R.M. Clark, C.T. Holbrook, S.M. Bertram, J.H. Fewell, P.F. Kukuk (presenter). 2007. Division of labour and socially-induced changes in response thresholds in associations of solitary halictine bees. University of California Los Angeles
- ⁴¹ Bertram, S.M. 2007. Understanding variation in sexually selected traits: Crickets as a model organisms. Texas State University, San Marcos
- ⁴⁰ Bertram, S.M. 2007. Understanding variation in sexually selected traits: Crickets as a model organisms. EEB Seminar, Queens University, Kingston, Ontario
- ³⁹ Bertram, S.M. 2007. Understanding variation in sexually selected traits. Queens University Biological Station, QUBS, Ontario
- ³⁸ Bertram, S.M. 2006. Behavioural Stoichiometry. Ecological Society of America, Memphis, Tennessee
- ³⁷ Bertram, S.M. 2006. Maintenance of variation in sexually selected traits. University of Windsor, Windsor, Ontario.
- ³⁶ Bertram, S.M. 2006. Maintenance of variation in sexually selected traits. San Diego State University, San Diego, California.
- ³⁵ Bertram, S.M. 2006. Invertebrate reproduction. University of Western Ontario, London, Ontario.
- ³⁴ Bertram, S.M. 2006. Maintenance of variation in sexually selected traits. University of Western Ontario, London, Ontario.
- ³³ Bertram, S.M. 2006. Maintenance of variation in sexually selected traits. Florida State University, Tallahassee, Florida.
- ³² Bertram, S.M. 2006. Quantifying division of labor and understanding its origins in communal groups. Florida State University, Tallahassee, Florida.
- ³¹ Bertram, S.M. 2006. Maintenance of variation in sexually selected traits. San Francisco State University, San Francisco, California.
- ³⁰ Bertram, S.M. 2006. Maintenance of variation in sexually selected traits. George Washington University, Washington, District of Columbia.
- ²⁹ Bertram, S.M. 2006. Maintenance of variation in sexually selected traits. Duke University, Durham, North Carolina.
- ²⁸ Bertram, S.M. 2006. Quantifying division of labor and understanding its origins in communal groups. Duke University, Durham, North Carolina.
- ²⁷ Bertram, S.M. 2005. Maintenance of variation in fitness conferring traits: an in depth study of the Texas field cricket. Carleton University, Ottawa, Canada.
- ²⁶ Bertram, S.M. 2005. Quantifying variation in courtship behavior of the Texas field cricket, *Gryllus texensis*, Trinity University, San Antonio, Texas.
- ²⁵ Bertram, S.M. 2005. The maintenance of variation in sexually selected traits. University of Central Florida, Orlando, Florida.
- ²⁴ Bertram, S.M. 2004. Mating systems and social systems – parallels and differences. Santa Fe Institute, Social Insect Working Group Meeting, Margetshöchheim, Germany.

- ²³ Gorelick, R., J.H. Fewell, and S.M. Bertram. 2004. An information theoretic approach to understanding social organization. Santa Fe Institute, Social Insect Working Group Meeting, Margetshöchheim, Germany.
- ²² Bertram, S.M. 2004. Variation maintenance in sexually selected traits. Lakehead University, Thunder Bay, Ontario.
- ²¹ Bertram, S.M. 2004. Variation maintenance in sexually selected traits. University of Akron, Akron, OH.
- ²⁰ Bertram, S.M. 2004. Variation maintenance in sexually selected traits. Grand Valley State University, Grand Rapids, MI.
- ¹⁹ Bertram, S.M., and R. Gorelick. 2004. Calling time in the Texas field cricket, *Gryllus texensis*, has zero additive genetic variance. Animal Behavior Society, Oaxaca, Mexico.
- ¹⁸ Bertram, S.M., and R. Gorelick. 2004. Calling time in the Texas field cricket, *Gryllus texensis*, has zero additive genetic variance. Society for the Study of Evolution, Fort Collins, CO.
- ¹⁷ Bertram, S.M. 2003. Decomposing variance in acoustic mating signals. Department of Zoology, University of Florida, Gainesville, FL
- ¹⁶ Bertram, S.M. 2003. Maintenance of variation in sexual traits. Department of Entomology, University of Arizona, Tucson, AZ
- ¹⁵ Bertram, S.M. 2003. Variation maintenance in sexual characters. Department of Biology, Virginia Polytechnic Institute, Blacksburg, VA
- ¹⁴ Bertram, S.M. 2003. Super males initiate calling earlier, cease calling later, call more often, producing louder, longer and more leading calls. Animal Behavior Society, Boise ID.
- ¹³ Gorelick, R, S.M. Bertram, and J.H. Fewell. 2003. Quantifying division of labor in social groups. Animal Behavior Society, Boise Idaho.
- ¹² Gorelick, R, and S.M. Bertram. 2003. Estimating epigenetic effects using parent-offspring regression. Society for the Study of Evolution, Chico California.
- ¹¹ Bertram, S.M., S.X. Orozco, and D. Kemp. 2003. Leaders and followers: understanding the acoustic signaling behavior of the Texas field cricket, *Gryllus texensis*. Mathematics and Cognition seminar, Arizona State University, Tempe, AZ
- ¹⁰ Bertram, S.M. 2002. For crying out loud: Are shifts in cricket courtship displays a result of natural and sexual selection? Arizona State University, Tempe, AZ
- ⁹ Bertram, S.M. 2002. The maintenance of variation in the temporal components of mate signaling behavior. Animal Behavior Society, Bloomington, ID.
- ⁸ Bertram, S.M. 2001. The influence of rearing and monitoring environment on temporal mate signaling patterns in the field cricket, *Gryllus texensis*. Animal Behavior Society, Corvallis, OR.
- ⁷ Bertram, S.M. 1999. Understanding variation in temporal components of mate signaling behavior: the field cricket and the fly. Animal Behavior Society, W.C. Allee Competition, Lewisburg PE.
- ⁶ Bertram, S.M. 1998. Understanding courtship variation: the cricket and the fly. Zoology Seminar Series, University of Toronto, Toronto, ON.
- ⁵ Bertram, S.M. 1998. Understanding courtship variation: the cricket and the fly. University of Texas at Austin, Austin, TX

- ⁴ Bertram, S.M. 1997. Ontogeny of calling behavior in a field cricket: Timing and duration. Animal Behavior Society, College Park, MD.
- ³ Bertram, S.M. 1997. Opposing selection forces and acoustic signals: Is there an ideal signaling pattern? Society for the Study of Evolution, Boulder, CO.
- ² Bertram, S.M. and M. Berrill. 1993. Variation in amphibian calling behaviour: a test of a sampling technique for amphibian decline. 4th Annual Declining Amphibian Populations in Canada, BC.
- ¹ Bertram, S.M. and M. Berrill. 1992. 4th International Congress Behavioural Ecology Meeting, Princeton, NJ.

1b. Mentored Student Technical Papers Presented (N=70; 17 presented since 2011)

- ⁷⁰ Loranger, M.J., M. Reifer, S.M. Bertram. 2015. Do Fight Winners Produce Higher Quality Offspring. Animal Behavior Society, Anchorage, Alaska (July) Talk.
- ⁶⁹ Reifer, M., S.M. Bertram, M.J. Loranger, I.R. Thomson, S.J. Harrison, G.L. Ferguson, D.H. Corlett, G.A. Gowaty. 2015. Linking Mating Preferences to Sexually Selected Traits and Offspring Viability. Animal Behavior Society, Anchorage, Alaska (July) Talk.
- ⁶⁸ Ferguson, G.L., M.L. Reifer, S.R.T. Boutin, S. Endenburg, K. Petrie, M. Vala, C.M. Vincent, P.A. Gowaty, and S.M. Bertram. 2014. Reproductive compensation under increased pathogen pressure. Animal Behavior Society, Princeton, New Jersey (August) Poster.
- ⁶⁷ Harrison, S.J., J.-G.J. Godin and S.M. Bertram. 2014. Role of dietary nutrient balance on sexual signalling and intrasexual competition in field crickets. Animal Behavior Society, Princeton, New Jersey (August) Poster.
- ⁶⁶ Boutin, S.R.T., S.J. Harrison, and S.M. Bertram. 2014. Homosexual behaviour in crickets: misidentification, social manoeuvre, or genetic hitchhiking? Animal Behavior Society, Princeton, New Jersey (August) Poster.
- ⁶⁵ Loranger M.J. and S.M. Bertram. 2014. Effect of male *Gryllus assimilis* aggression on female choice. Animal Behavior Society, Princeton, New Jersey (August) Talk.
- ⁶⁴ Hendrickson, M (co-presenter), C. Porter (co-presenter), G.R. Kolluru, and Susan M. Bertram. 2014. Variation in morphological traits in *Giarardinus metallicus*. College of Science and Mathematics Student Research Conference, California Polytechnical State University, San Luis Obispo, California, USA (May) Poster.
- ⁶³ Harrison, S.J., J.-G.J. Godin and S.M. Bertram. 2013. Dietary nutrient balance influences fitness traits and diet choice in *Gryllus veletis* field crickets. 50th Annual Conference of the Animal Behavior Society. Boulder, Colorado, USA. (May) Talk.
- ⁶² Fitzsimmons, L.P. and S.M. Bertram. 2013. Playing to an audience: the social environment influences aggression and victory displays. 50th Annual Conference of the Animal Behavior Society. Boulder, Colorado, USA. (May) Talk.
- ⁶¹ Chin, E.H. (co-presenter), C.V. Dunmeyer (co-presenter), S.M. Bertram and G.R. Kolluru. 2013. Characterization of the mating behavior of black-chinned *Giarardinus metallicus* fish. College of Science and Mathematics Student Research Conference, California Polytechnical State University, San Luis Obispo, California, USA (May) Poster
- ⁶⁰ Thomson, I. (presenter), C.-A. Darveau, and S.M. Bertram. 2012. Acoustic mate attraction calling, total body energy stores, and energy metabolism in the muscles of

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- two species of field cricket. Evolution: 1st Joint Congress on Evolutionary Biology, Ottawa, Ontario (July) Talk
- ⁵⁹ Genevieve, F. (presenter) and S.M. Bertram. 2012. Influence of juvenile acoustic environment on mating behavior. Evolution: 1st Joint Congress on Evolutionary Biology, Ottawa, Ontario (July) Poster
- ⁵⁸ Pacheco, K. (presenter) and S.M. Bertram. 2012. Quantifying female *Gryllus assimilis* mating preferences for acoustic attraction signals using Univariate and multivariate approaches. Evolution: 1st Joint Congress on Evolutionary Biology, Ottawa, Ontario (July) Poster
- ⁵⁷ Harrison, S.J., S.J. Simpson, D. Raubenheimer, and S.M. Bertram. 2012. Cricket life history traits are influenced by dietary nutrient balance. Evolution: 1st Joint Congress on Evolutionary Biology, Ottawa, Ontario (July) Poster
- ⁵⁶ Thomson, I. (presenter), C.-A. Darveau, and S.M. Bertram. 2012. Acoustic mate attraction calling, total body energy stores, and energy metabolism in the muscles of two species of field cricket. Ottawa-Carleton Institute of Biology Annual Meeting, Ottawa, Ontario (April) Poster.
- ⁵⁵ Pacheco, K. (presenter) and S.M. Bertram. 2012. Quantifying female *Gryllus assimilis* mating preferences for acoustic attraction signals using univariate and multivariate approaches. Ottawa-Carleton Institute of Biology Annual Meeting, Ottawa, Ontario (April) Poster.
- ⁵⁴ Harrison, S.J. (presenter), S.J. Simpson, D. Raubenheimer, & S.M. Bertram. 2012. Cricket life history traits are influenced by dietary nutrient balance. Ottawa-Carleton Institute of Biology Annual Meeting, Ottawa, Ontario (April) Poster.
- ⁵³ Grant, C.M. (presenter), I.R. Thomson, S.J. Harrison, and S.M. Bertram. 2011. Traits influencing male mating success in a field caught cricket, *Gryllus pennsylvanicus*. Joint meeting of the Animal Behavior Society and the International Ethological Conference, Indiana University, Bloomington, Indiana. (July) Poster.
- ⁵² Fitzsimmons, L.P., E.M. Whattam, H.D. Rundle, R. Gorelick, R. and S.M. Bertram. 2011. Sexy males signal more often: the relationship between signal structure and quantity. Joint meeting of the Animal Behavior Society and the International Ethological Conference, Indiana University, Bloomington, Indiana. (July) Talk.
- ⁵¹ Thomson, I.R. (presenter), S.M. Bertram, B. August, J.W. Dawson and C.-A. Darveau. 2011. Variation in cricket acoustic mate attraction signaling explained by body morphology and metabolism. Joint meeting of the Animal Behavior Society and the International Ethological Conference, Indiana University, Bloomington, Indiana. (July) Poster.
- ⁵⁰ Harrison, S.J. (presenter), S.J. Simpson, D. Raubenheimer, and S.M. Bertram. 2011. Dietary nutrient balance and cricket fitness: a geometric analysis approach to studying nutrition. Joint meeting of the Animal Behavior Society and the International Ethological Conference, Indiana University, Bloomington, Indiana. (July) Poster.
- ⁴⁹ Grant, C.M. (presenter), I.R. Thomson, S.J. Harrison, and S.M. Bertram. 2011. The relationship between multiple secondary sexual traits in a field caught cricket, *Gryllus pennsylvanicus*. 50th Annual Meeting of the Canadian Society of Zoologists, University of Ottawa, Ottawa, Ontario. (May) Poster.

- ⁴⁸ Thomson, I.R. (presenter), S.M. Bertram, C.-A. Darveau, J.W. Dawson and *B. Auguste*. 2011. Variation in cricket acoustic mate attraction signaling explained by body morphology and metabolic differences. 50th Annual Meeting of the Canadian Society of Zoologists, University of Ottawa, Ottawa, Ontario. (May) Poster.
- ⁴⁷ Derraugh L.J. (presenter), J. Carpinone, S.M. Bertram and R. Gorelick. 2011. Pre-karyogamic sexual selection. Canadian Society for Ecology and Evolution Annual Meeting, Banff, Alberta (May) Talk.
- ⁴⁶ Boratynska, S., S.J. Harrison and S.M. Bertram. 2011. Male crickets signal their sperm quality. OCIB Graduate Student Symposium (May) Poster.
- ⁴⁵ Thomson, I.R. (presenter), S.M. Bertram, C.-A. Darveau, J.W. Dawson and *B. Auguste*. 2011. Variation in cricket acoustic mate attraction signaling explained by body morphology and metabolic differences. Ottawa-Carleton Institute of Biology Symposium (April) Poster.
- ⁴⁴ Grant, C.M. (presenter), I.R. Thomson, S.J. Harrison, and S.M. Bertram. 2011. The relationship between long distance attraction calls and courtship calls on mating success in a field caught cricket, *Gryllus pennsylvanicus*. Ottawa-Carleton Institute of Biology Symposium (April) Poster.
- ⁴³ Rook, V. (presenter) and S.M. Bertram. 2010. Factors influencing reproduction in the Jamaican field cricket: fighting, signaling, and condition. 47th Annual Animal Behavior Society Meeting, Williamsburg, Virginia. (July) Poster.
- ⁴² Fitzsimmons, L. 2010. Calling effort and aggression in field crickets. Canadian Society for Ecology and Evolution Annual Meeting, Quebec City, Quebec. (May) Poster.
- ⁴¹ Klaus, S.P., Bertram, S.M., Fitzsimmons, L.P., and T.E. Pitcher. 2010. High quality sperm from small males: a possible alternative reproductive strategy for small male house crickets. Canadian Society for Ecology and Evolution Annual meeting, Quebec City, Quebec. (May) Poster.
- ⁴⁰ Rook, V. 2010. The interaction of aggression, calling, and condition on mating success in the Jamaican field cricket, *Gryllus assimilis*. Canadian Society for Ecology and Evolution Annual Meeting, Quebec City, Quebec. (May) Poster.
- ³⁹ Whattam, E. and S.M. Bertram. 2010. Do components of the male's acoustic sexual signal act as redundant signals or multiple messages in the Jamaican field cricket? Canadian Society for Ecology and Evolution Annual Meeting, Quebec City, Quebec. (May) Talk.
- ³⁸ Whattam, E. (presenter) and S.M. Bertram. 2009. Does female body condition influence which sexual signals are more important in two cricket species? 46th Annual Animal Behavior Society Meeting, Pirenópolis, Brazil.
- ³⁷ Vincent, C.M. (presenter) and S.M. Bertram. 2009. Crickets groom to avoid parasite-induced death. American Society of Parasitologists Annual Meeting, Knoxville, Tennessee (August) Talk.
- ³⁶ Fitzsimmons, L.P. and S.M. Bertram. 2009. Does the presence and sex of an audience affect aggressive behaviour in field crickets? Canadian Society of Ecology and Evolution, Halifax, Nova Scotia (May) Talk.
- ³⁵ Visanuvimol, L. and S.M. Bertram. 2009. The influence of dietary phosphorus on cricket life history traits and fitness. Canadian Society of Ecology and Evolution, Halifax, Nova Scotia (May) Poster.

- ³⁴ Rook, V. and S.M. Bertram. 2009. Aggression and post conflict displays in the spring field cricket, *Gryllus veletis*. Canadian Society of Ecology and Evolution, Halifax, Nova Scotia (May) Poster.
- ³³ Whattam, E.M., V. Nicholls and S.M. Bertram. 2009. Does female body condition influence which sexual signals are more important in two species of crickets? Canadian Society of Ecology and Evolution, Halifax, Nova Scotia (May) Talk.
- ³² Vincent, C.M. 2009. The function of sexually dimorphic pterostigmas in *Ormia ochracea* (Diptera: Tachinidae). Toronto Entomologists Association Annual Meeting, Toronto, Ontario (March) Talk.
- ³¹ Vincent, C.M. 2008. Behavioural Avoidance of Parasitism in *Gryllus* spp. Entomological Society of Canada, Ottawa, Ontario (October) Talk.
- ³⁰ Whattam, E.M. 2008. Trade-off between the quantity and quality of a sexually-selected trait in the Texas field cricket, *Gryllus texensis*. Entomological Society of Canada, Ottawa, Ontario (October) Poster.
- ²⁹ Fitzsimmons, L. and S.M. Bertram. 2008. Is calling effort an honest signal of aggression in field crickets? Joint meeting of the Entomological Societies of Canada and Ontario, Ottawa, Ontario (October) Poster.
- ²⁸ Fitzsimmons, L. and S.M. Bertram. 2008. Audience effects in field crickets. International Society of Behavioural Ecology, Cornell, New York (August) Poster.
- ²⁷ Vincent, C.M. 2008. Behavioural Avoidance of Parasitism in *Gryllus* spp. International Society of Behavioural Ecology, Cornell, New York (August) Poster.
- ²⁶ Visanuvimol, L. 2008. How phosphorus influences insect fitness. International Society of Behavioural Ecology, Cornell, New York (August) Poster.
- ²⁵ Whattam, E.M. 2008. Trade-off between the quantity and quality of a sexually-selected trait in the Texas field cricket, *Gryllus texensis*. International Society of Behavioural Ecology, Cornell, New York (August) Poster.
- ²⁴ Whattam, E.M. 2008. Trade-off between the quantity and quality of a sexually-selected trait in the Texas field cricket, *Gryllus texensis*. Canadian Society of Ecology and Evolution, Vancouver (May) Poster.
- ²³ Vincent, C.M. 2008. Grooming to avoid parasitization in *Gryllus texensis* Canadian Society of Ecology and Evolution, Vancouver (May) Poster.
- ²² Visanuvimol, L. 2008. How difference in dietary phosphorus content influence insect fitness. Canadian Society of Ecology and Evolution, Vancouver (May) Poster.
- ²¹ Whattam, E.M. 2008. Trade-off between the quantity and quality of a sexually-selected trait in the Texas field cricket, *Gryllus texensis*. Ottawa-Carleton Institute of Biology Annual Meeting, Ottawa (May) Poster.
- ²⁰ Vincent, C.M. 2008. Abdominal dragging as a means of communication in *Gryllus texensis*. Ottawa-Carleton Institute of Biology Annual Meeting, Ottawa (May) Poster.
- ¹⁹ Visanuvimol, L. 2008. How difference in dietary phosphorus content influence insect fitness. Ottawa-Carleton Institute of Biology Annual Meeting, Ottawa (May) Poster.
- ¹⁸ Vincent, C.M. 2008. Can *Gryllus texensis* detect larvae of the parasitoid fly *Ormia ochracea*? Ontario Ecology and Ethology Colloquium, Toronto (April) Poster.
- ¹⁷ Vincent, C.M. 2008. Abdominal dragging in *Gryllus texensis*: host adaptation or parasite exploitation? Toronto Entomological Association Annual Symposium (March) Poster.

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All listed students have given permission for their name to appear. Students who have not given permission for their name to appear have been covered following **FIPPA** guidelines (██████████)

- ¹⁶ Ting, J. (presenter), K.A. Judge, L. Haley, S. Bertram, T.N. Sherrat. 2008. V is for victory: the functional significance of victory displays in a territorial field cricket. International Society of Behavioural Ecology, Cornell, New York.
- ¹⁵ Visanuvimol, L., and S.M. Bertram. 2007. The influence of dietary nitrogen and phosphorus on cricket condition. Animal Behaviour Society Annual Meeting, Burlington, Vermont. Poster.
- ¹⁴ Whattam, E., and S.M. Bertram. 2007. The effect of dietary nitrogen and phosphorus on cricket long-distance acoustic mate attraction signals. Animal Behaviour Society Annual Meeting, Burlington, Vermont. Poster.
- ¹³ Holbrook, C.T. (presenter), R.M. Clark, R. Jeanson, S.M. Bertram, P.F. Kukuk, and J.H. Fewell. 2007. Emergence and consequences of division of labor in forced associations of normally solitary halictine bees. Entomological Society of America Meeting, San Diego.
- ¹² Merry, J.W., D.J. Kemp, S.M. Bertram, and R.L. Rutowski. 2006. Butterfly growth and development: the role of phosphorus. Annual Meeting of the Society for Integrative and Comparative Biology, Orlando, Florida.
- ¹¹ Bowen, M.¹, M. Kyle, and S.M. Bertram. 2005. Correlation between phosphorus and mating may be partially explained by RNA content. 30th Annual West Coast Undergraduate Symposium in Biology. Santa Clara University. Poster.
- ¹⁰ Clark, J.¹ and S.M. Bertram. 2003. An electronic acoustic recorder (EAR) for quantifying when, how much, and how loud individuals signal acoustically on both spatial and temporal scales. Animal Behavior Society, Genesis Competition, Boise Idaho. Poster.
- ⁹ Orozco, S.X.¹, and S.M. Bertram. 2003. The cricket and the fly: an evolutionary arms race? Animal Behavior Society, Genesis Competition, Boise Idaho. Poster.
- ⁸ Clark, J., C. Chief, L. Johnson, and S.M. Bertram. 2003. An electronic acoustic recorder (EAR) for quantifying when, how much, and how loud individuals signal acoustically on both spatial and temporal scales. Center for Insect Sciences Hexapodium, Tucson, Arizona. Poster.
- ⁷ Bellani, R., S.X. Orozco, and S.M. Bertram. 2002. Effect of females and acoustic parasitoid flies on male courtship behavior in the Texas field cricket, *Gryllus texensis*. Animal Behavior Society, Genesis Competition and Turner recipient, Bloomington Indiana. Poster.
- ⁶ Orozco, S.X., and S.M. Bertram. 2002. The Effect of Nearest Neighbors on Male Acoustic Mating Signals in the Texas Field Cricket. Animal Behavior Society, Genesis Competition and Turner recipient, Bloomington Indiana. Poster.
- ⁵ Clark, J., A.C. Bostic, A. Kinlicheeny, S.X. Orozco, and S.M. Bertram. 2002. Effects of Females and Parasitoids on Courtship Intensity and Bout Length in the Texas Field Cricket. Center for Insect Sciences Poster Hexapodium, Tucson, Arizona. Poster.
- ⁴ Orozco, S.X., and S.M. Bertram. 2002. The Effects of Nearest Neighbors on Courtship Displays in the Texas Field Cricket, *Gryllus texensis*. Center for Insect Sciences Poster Hexapodium, Tucson, Arizona. Poster.
- ³ Bellani, R., S.X. Orozco, and S.M. Bertram. 2002. Effect of females and parasitoids on male courtship timing in the Texas field cricket, *Gryllus texensis*. Center for Insect Sciences Poster Hexapodium, Tucson, Arizona. Poster.

² Bellani, R. and S.M. Bertram. 2001. The influence of photoperiod on temporal mate signaling patterns. Animal Behavior Society, Genesis Competition, Corvallis, Oregon. Poster.

¹ Bellani, R. and S.M. Bertram. 2001. Influence of photoperiod on mate signaling behavior. Center for Insect Sciences, Tucson, Arizona. Poster.

2. Other Professional Activities

Academic Editor – PeerJ

Chiswell R, Girard M, Fricke C, Kasumovic MM. (2014) Prior mating success can affect allocation towards future sexual signaling in crickets. PeerJ 2:e657
<https://dx.doi.org/10.7717/peerj.657>

Fine ML, Waybright TD. (2015) Grunt variation in the oyster toadfish *Opsanus tau*: effect of size and sex. PeerJ 2015:08:6521:1:0: ACCEPTED

Sugiura S. (2015) Bagworm bags as portable armour against invertebrate predators. PeerJ 2015:08:6355:1:0:NEW (returned to author for major revisions)

Kelly CD, Telemeco M, Toth AL, Bartholomay LC. (2015) Are attractive male crickets better able to pay the costs of an immune challenge? PeerJ 2015:10:7081:0:1:REVIEW (currently out for review)

External Referee for Tenure and Promotion

Dr. Gerlinde Hoebel's file for promotion to the rank of Associate Professor with tenure. University of Wisconsin, Milwaukee, Department of Biological Sciences (Request accepted September 30, 2015)

External Referee for Graduate Dissertation Defense

Chan Seok HAN, Evolution & Ecology Research Centre, University of New South Wales, Australia (PhD: 6 data chapters) May 2013

External Referee for Scholarly Journals (N=61 Reviews)

American Naturalist (2)	Journal of Evolutionary Biology (3)
Animal Behaviour (14)	Journal of Heredity (1)
Behavioral Ecology (5)	Journal of Insect Behavior (2)
Behavioral Ecology & Sociobiology (7)	Journal of Insect Biology (1)
Current Zoology (1)	Journal of Insect Science (6)
Ecology and Evolution (1)	Molecular Ecology (1)
Ethology (6)	PeerJ (1)
Evolution (3)	Physiology & Biochemical (1)
Functional Ecology (1)	PLOS ONE (3)
Hydrobiologia (1)	Zoology (1)

Referee and Panel Member for Grant Proposals and Competitions (N=10 Panels; N=181 Reviews)

Canadian Institute of Ecology and Evolution (2014 = 13 proposals; 2013 = 12 proposals, 2012 = 10 proposals)

Natural Sciences and Engineering Research Council of Canada External Reviewer (2009-2014) 11 proposals reviewed

United States-Israel Bi-National Science Foundation External Reviewer (2014) 1 proposal reviewed

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Animal Behaviour Society Allee Award Competition Review Panel (2014) 13 proposals reviewed and 9 talks judged
 National Science Foundation Animal Behavior Grant Review Panel (2011) 16 proposals reviewed
 Alberta Ingenuity Life Sciences Committee Member (2009) 47 proposals reviewed
 Carleton University Biology Graduate NSERC/OGS Grant Review Committee (2008) 23 proposals reviewed
 National Science Foundation – Integrative Organismal Systems Panel Member (2005) 20 proposals reviewed
 National Science Foundation – Division of Environmental Biology Panel Member (2004) 22 proposals reviewed
 National Science Foundation – Integrative Biology and Neuroscience External Reviewer (2002-2006) 5 proposals reviewed

Animal Behavior Society

Society Elected Officer and Secretary (2014-)
 Allee Award Competition Review Panel (2014)
 Turner Travel Award Committee Member (2002-2008)
 Turner Travel Award Organizer (2005)

Scientist as Mentor

Encouraging Diversity: Invited Panel Member, University of Arizona, 2003
 Building an Inclusive Classroom: Invited Speaker, Arizona State University, 2003, 2004

Survival Skills for Post-Baccalaureate Programs

Designed/coordinated a workshop for minority students at Arizona State University about MD, MD/PhD, and PhD career paths

Hosted Conference Sessions

Co-host (with Adam Kaye, St. Thomas University and John Schade, St. Olaf College) of Organized Oral Session OOS-14: Ecological Stoichiometry of Terrestrial Animals, Ecological Society of America Annual Meeting, Memphis, Tennessee, August, 2006.

Co-Host/Organizer of a Symposium on Integrating Nutritional Ecology and Behaviour for the 13th International Behavioural Ecology Congress 2010 in Perth, Australia (with co-hosts/organizers: Nathan Morehouse, Université de Tours in Tours, France and David Raubenheimer, Massey University in Auckland, New Zealand).

G ACADEMIC RESPONSIBILITIES (TEACHING)

1. Undergraduate Courses Taught Since 2006

BIOL 3802 – Animal Behaviour (2014-2015)
 BIOL 4901 – Directed Special Studies (2006-2015)
 BIOL 4908 – Honours Research Thesis (2006-2012; 2013-2015)
 BIOL 3908 – Thesis Proposal Development (2013-2014)
 BIOL 1004 – Introductory Biology II (2011-2012)
 BIOL 1104 – Foundations of Biology II (2011-2012)
 BIOL 3609 – Evolutionary Concepts (2007, 2010)

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INSC 3909 – Independent Study (2008, 2010, 2013)
 BIOL 4802 – Advanced Animal Behaviour (2007 - 2009, 2011)

2. Graduate Courses Taught Since 2006

BIOL 5802 – Advanced Behavioural Ecology (2007, 2008, 2009, 2011)

3. Supervision Since 2006

3a. Supervision Completed Since 2006 (N=42)

PhD Students

Lauren Fitzsimmons (2007-12): Sexual selection and trait covariance in crickets

MSc Students

Michelle Loranger (2013-15): Audience effects and their impact on cricket mating

Ian Thomson (2010-12): Physiology and biomechanics of signaling

Karen Pacheco (2011-13): Cricket female preference functions

Vanessa Rook (2008-10): Interplay between aggression, signaling, and mating

Emily Whattam (2007-09): Multimodal signaling in crickets

Crystal Vincent (2007-09): Host-parasite interactions: the cricket and the fly

Laksanavadee Visanuvimol (2007-09): How phosphorus influences cricket fitness

Honours Students

Miriam Tepper (2014-15): How mating preference influences offspring fitness

Savanna Boutin (2014-15): Same sex sexual behaviour in crickets

Deb Corlett (2013-14): Mating preferences in *G. assimilis*

Mykell Reifer (2013-14): Do constrained individuals have lower fitness?

Kaitlyn Montroy (2013-14): Audience influence on fights and victory displays

Krista McConnell (2013-14): Life history trait comparison between lab and wild

Emily Burd (2013-14): How diet influences aggression

Eric Chin (2013): *Girardinus metallicus* mating behavior (Gita Kolluru)

Catalina Dunmeyer (2013): *Girardinus metallicus* mating behavior (Gita Kolluru)

Joshua Profitt (2011-2012): Relationship between energy stores and residual mass

Sami Majdalany (2011-2012): Relationship between metabolic rate and signaling

Christopher Sequin (2011-2012): Relationship between ploidy and signaling

Lauren Kirby (2011-2012): Communicating biological concepts through video

Louis Gagnon (2010-11): Chorus attendance and mating success in American toads

Susan Boratynska (2010-11): Male crickets signal their sperm quality

Paul Kazzaka (2010-11): Aggression and audience effects in *G. veletis*

Robert Watkins (2010-11): Why do *G. veletis* produce split pulse signals?

Hailey Masiero (2010-11): Factors influencing student success in mathematics

Samantha Klaus (2009-10): Acoustic signaling and sperm quality in crickets

Valerie Nichols (2009-10): Phosphorus and cricket aggression

Katrina Williams (2009-10): Factors influencing success in introductory calculus

Kenneth Belanger (2008-09): Behavioural syndromes and fitness

Valerie Nichols (2008-09): Function of multiple mating signals

Ian Thomson (2008-09): Host-parasite interactions in crickets and flies

Moyosore Abimboye (2008-09): Dietary phosphorus and reproduction

Vanessa Rook (2007-08): Aggression and post conflict displays

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Tsone Boyo (2007-08): Muscular anatomy and calling behaviour
 Laura Haley (2007-08): Victory displays in *Gryllus pennsylvanicus*
 Amanda Smith (2007-08): Influence of diet on male calling behaviour
 Rachel Bennett (2006-07): Phosphorus and female reproductive fitness
 Ryan O'Meara (2006-07): Nearest neighbour effects in crickets
 Laksanavadee Visanuvimol (2006-07): Phosphorus and body condition
 Emily Whattham (2006-07): Phosphorus and mate signaling
 Amber Zabarauskas (2006-07): Phosphorus and female mating preferences

3b. Supervision Currently Underway (N=5)

PhD Students

Genevieve Fergusson (2011-15): Lifetime influences of acoustic social environment on developmental and behavioural plasticity
 Sarah Harrison (2012-17): Integrating nutritional ecology and sexual selection (transferred from MSc program; Co-Supervised with Jean-Guy Godin)
 Emily Missyabit McAuley (2011-15): Do introduced fish lower the quality of harlequin duck breeding streams? (Co-supervised with Ron Ydenberg at Simon Fraser University; Note: request to be a co-supervisor was just received so we are currently arranging this).

MSc Students

Mykell Reifer (2015-17): How carbohydrate and protein availability during development influences female cricket hearing neuroethology
 Amy Villarreal (2014-16): How operational sex ratio drives mating behaviour (Co-Supervised with Jean-Guy Godin)

3c. Top Awards My Graduate Students Received During or Shortly After Completing Their Degrees in My Lab

Sarah Harrison

Animal Behavior Society Student Research Grant Award (2015)
 NSERC Alexander Graham Bell CGS-D (PhD) (2013-16)
 Graduate Student Open Access Award (2013)
 Ontario Graduate Scholarship (2012-13)
 NSERC Alexander Graham Bell CGS-M (MSc) (2011-12)
 Ontario Graduate Scholarship (declined to accept the NSERC; 2011)
 David and Rachel Epstein Foundation Scholarship (2011)

Genevieve Ferguson

Animal Behavior Society Student Research Grant Award (2015)
 Carleton University Outstanding TA Award (2013)

Michelle Loranger

Animal Behavior Society Student Research Grant Award (2015)

Ian Thomson

Smithsonian Tropical Research Institute Internship (2013)
 Graduate Student Open Access Award (2013)
 Associates in Psychiatry Volunteer Award - Royal Ottawa Hospital (2012)
 Biology Department TA Excellence Award (2012)
 Carleton University Outstanding TA Award Nomination (2012)

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Lauren P. Fitzsimmons *nee* Reed

NSERC Postdoctoral Fellowship (2013-15)

Senate Medal for Outstanding Academic Achievement, Carleton University (2012)

P.E.O. Scholar Award; named the Ventura Neale Endowed Scholar (2011-12)

Carleton University Academic Staff Association Scholarship (2011)

David & Rachel Epstein Foundation Scholarship (2008)

NSERC Canada Graduate Scholarship CGS-D (PhD) (2007-10)

Crystal M. Vincent

L'Oreal-UNESCO Laureate; 4 recipients nation-wide (2010)

NSERC Canadian Graduate Scholarship CGS-D (PhD) (2010)

NSERC Industrial Scholarship (2009)

Emily Missyabit McAuley *nee* Whattam

NSERC Canadian Graduate Scholarship CGS-D (PhD) (2010)

NSERC Canadian Graduate Scholarship CGS-M (MSc) (2007)

Ontario Graduate Scholarship (declined to accept NSERC; 2007)

C.C. Gibson Scholarship, Carleton University (\$1000/yr) (declined; 2007)

NSERC Undergraduate Student Research Award (2007)

BP Canada Aboriginal Youth Achievers Scholarship, National Aboriginal Achievement Foundation (NAAF) (\$2500) (2007)

4. Teaching Innovation and Training Since 2006

Carleton University's Teaching and Learning Event (April 2015) Invited Speaker: Team Based Learning Approach to Teaching Biology Undergraduates – an Animal Behaviour Approach

Invited Workshop Host (2012): Ottawa-Carleton District School Board Science and Mathematics High School Teacher Professional Development Panelist on Successfully Transitioning from high school to university science.

Distinguished Symposium Speaker for the SWEET Eco Evo Symposium (2011): A juggling act: balancing high work-loads and family-life as a faculty member in ecology and evolution. Canadian Society for Ecology and Evolution Annual Meeting, Banff, Alberta (May) Talk/Panelist.

Invited Panel Member (2011): Ottawa-Carleton District School Board Science and Mathematics High School Teacher Professional Development Panelist on Successfully Transitioning from high school to university.

Invited Panel Member (2011): Words of Wisdom to New Faculty Members: What I Needed to Know but Wasn't Told. New Faculty Orientation Session, Carleton University

Invited Workshop Co-Host (2010): Anatomy of a Student (with Carol Miles, Maggie Cusson, and Kathleen Semanyk). New Faculty Orientation Session, Carleton University

Invited Panel Member (2009): Creating a positive and productive supervisory relationships with your graduate students. New Faculty Orientation Session, Carleton University

Invited Workshop Co-Host (2009): Strategies for motivating and empowering your teaching assistant (with Carol Miles). New Faculty Orientation Session, Carleton University

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Host Workshops (2 in 2009): How TA's can support and contribute to student success. TA Training Workshop
 Faculty Teaching Certificate Program participant (2008-09)
 Microteaching and Classroom Observation Workshop I and II participant (2007)
 Clicker Training participant (2009)
 3-2-1 Contact participant (2006-08)
 E-grades Workshop participant (2006)
 Dream Weaver Training participant (2006)
 Survivor Carleton participant (2006)
 New Faculty Orientation participant (2006)

H ADMINISTRATIVE RESPONSIBILITIES

1. University (Since 2006)

Carleton Leader Stream 3 (2014-15)
 Women in Science and Engineering Network (WISEN) Steering Committee (2015-)
 Fierce Conversations Training (2 day workshop spring 2015)
 Tenure and Promotion Appeal Committee (2013-14)
 Grievance Sub-Committee Member (2011-12)
 Team Leader: Science Learning Community: Benchmarking & Implementation (2010-12)
 First in Family Program Team Member (2010-12)
 Critical and Creative Inquiry Task Force (2010-12)
 Student Success Cross Functional Team Member (2010-12)
 Mental Health Cross Functional Team Member (2008-12)
 Team Leader, Benchmarking: Improving the Engagement of Science Students (2008-11)
 Advising Project Cross Functional Team Member (2008-09)
 Emerging Leaders Program Mentor (2008-09)

2. Faculty (Since 2006)

Team Co-Leader (with N Cappuccino) - Embracing Biology Labs Benchmarking (2014-)
 Science Learning Community
 Faculty Facilitator - Implementation Team (2013-14)
 Team Leader - Benchmarking Team (2010-11)
 Team Leader - Implementation Team (2011-12)
 Chair, Faculty of Science Recruitment Committee (2008-12)
 Chair, Faculty of Science First Year Instructors Committee (2008-12)
 Chair, Faculty of Science Retention Committee (2009-12)
 Director, Science Student Success Centre (2008-12): Plan/coordinate activities to reduce DFW rates and increase student retention. Responsibilities include:
 SSSC Mid-Term Grades Project (2008-12)
 SSSC Mentoring Project (2008-12)
 SSSC Science Study Skills Workshops (2008-12)
 SSSC Final-Grades Project (2010-12)

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Math Matters (2009-12)

Co-Organizer and Host: Faculty of Science New Student Orientation (2008-12)

Co-Organizer and Host: New Faculty Orientation (2008-12)

Co-Organizer and Host: New Recruiter Orientation (2008-12)

Committee Member, Undergraduate Research Day (2008-11)

Co-Emcee, Undergraduate Research Day (2009)

Co-Coordinator, Science Café (with Root Gorelick; 2009-10)

Committee Member, Science Faculty Promotion Video (2009)

Attendee/Presenter, Recruitment Events

Ontario University Fair (2008-09, 2011, 2015)

Science Teachers Association of Ontario Annual Meeting (2008)

Dinner with the Dean - High School Science/Math Teachers (2008-11)

Ottawa Parents Evening (2008-12)

Toronto Parents Evening (2010-12)

CU Day (2008-12)

Science Specialty Tours (spring and fall: 2008-12)

March Break Day (2008-12)

Summer Orientation (2009-12)

3. Department (Since 2006)

Undergraduate Chair (2013-)

Curriculum Committee (2013-)

Biology Hiring Committee (Sessional Lecturer in Ecology, Evolution, Diversity) (2011)

Biology Recruitment and Retention Committee Member (2006,07,08)

Biology Concentrations Workshop Co-Organizer (2008)

Biology Tenure and Promotion Committee Member (2007,08)

Biology Graduate OGS and NSERC Review and Ranking Committee Member (2007)

Graduate Students for which I currently serve as an advisor (supervisor in parentheses; N=9)

Sophie Potter (Jean-Guy Godin, Carleton University) PhD 2014-Taylor Ward (Steve Cooke, Carleton University) MSc 2014-Erin Wojan (Gita Kolluru, California Polytechnic State University) MSc 2014-Julie Colpitts (Howard Rundle; Ottawa University) MSc 2013-Valentina Scarponi (Jean-Guy Godin, Carleton University) MSc 2013-Tammy Duong (Howard Rundle, Ottawa University) PhD 2013-Jake Brownscombe (Steve Cooke, Carleton University) PhD 2011-Fannie Billardon (Charles Darveau; Ottawa University) MSc 2010-Heather Auld (Jean-Guy Godin, Carleton University) PhD 2009-

Graduated Students for which I served as an advisor (supervisor in parentheses; N=15)

Mat Oudin (Howard Rundle; Ottawa U) MSc 2012-14Alisa Miller (Jean-Guy Godin) MSc 2011-13Nicola Banger (Gabriel Blouin-Demers; Ottawa U) MSc 2010-12Sarah Cebulski (Jeff Dawson) MSc 2009-10Ian McLean (Tom Sherratt) MSc 2008-11Amanda Goth (Jeff Dawson) MSc 2008-10Sarah Jeswiet (Jean-Guy Godin) MSc 2008-10Alan Fleming (Jayne Yack) MSc 2007-09

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Kelsie MacLellan (Howard Rundle; Ottawa U) MSc 2007-09
 Matthieu Delcourt (Howard Rundle; Ottawa U) PhD 2007-11
 Marie-Ange Gravel (Steve Cooke) PhD 2006-11
 Stacey Robinson (Mark Forbes) PhD 2005-11
 Kimberley Hair (Jean-Guy Godin) MSc 2006-08
 Tara Redpath (Steve Cooke) MSc 2006-08
 Graduated Student for which I served as an external/chair (supervisor in parentheses; N=10)
 Brianne Wartman (Matt Holahan) PhD defense internal-external (2014)
 Samantha Wilson (Steve Cooke) MSc defense external (2012)
 Julia Mlynarek (Mark Forbes) PhD qualifying exam (2012)
 Lindsay Derreagh (Root Gorelick) MSc defense external (2012)
 Jessica Carbone (Root Gorelick) MSc defense external (2010)
 Scott Whitehead (Jeff Dawson) MSc defense external (2009)
 Kathleen Lucas (Jayne Yack) MSc defense chair (2008)
 Glenn Cunnington (Lenore Farhig) PhD qualifying exam (2008)
 Constance O'Connor (Steve Cooke) PhD qualifying exam (2008)
 Aaron James Philips (Claudia Schröder-Adams) MSc defense external (2008)

I OTHER

1. Undergraduate Students (Non Honours) Mentored in My Lab Since 2006 (N=63)

Natasha Osborne: Dean's Summer Research Intern 2015
 Maryann Wu: Dean's Summer Research Intern 2015
 Alexa Derksen: NSERC USRA 2015
 Deepro Chowdhury: NSERC USRA 2015
 Synclair Calder: Cricket husbandry (Work-Study 2014-15)
 Alicia Cable: Cricket husbandry (Work-Study 2014-15)
 Rebekah Vice: Cricket husbandry (Work-Study 2014-15)
 Katie Petrie: Dean's Summer Research Intern 2014
 Sarah Endenburg: NSERC USRA 2014
 Michelle Vala: Dean's Summer Research Intern 2014
 Savanna Boutin: Same-sex behavior and female mate choice (NSERC USRA 2014)
 Francis Wong: How diet influences dominance (I-CUREUS 2014)
 Savanna Boutin: How diet influences same-sex behaviour (Research Credit 2014)
 Mykel Riefer: Does mate choice influence fitness? (Research Credit 2013)
 Deb Corlett: Does mate choice influence fitness? (Research Credit 2013)
 Krista McConnell: How cold incubation influences signaling (Research Credits 2013-14)
 Francis Wong: Constraints experiment (Work-Study 2013-14)
 Zachary Cronk: Cricket husbandry (Work-Study 2013-15)
 Dana Kolenich: Cricket husbandry (Work-Study 2013-14)
 Kathryn Dufour: Constraints Experiment (NSERC USRA Summer 2013)
 Nathan Robertson: Cricket husbandry (Work-Study 2012-13)
 Ashley Millar: Cricket husbandry (Work-Study 2012-13)
 Kathryn Dufour: Constraints Experiment (Dean's Summer Research Intern 2012)
 Miriam Tepper: Exchange student from Quest University who joined my laboratory for a semester to learn about entomology and invertebrate behaviour (2012)

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Susan Boratynska: Sperm differences across species (I-CUREUS 2011)
 Louis Gagnon: Documenting protocols (Work-Study 2011-12)
 Ashley Millar: Cricket husbandry (Work-Study 2011-13)
 Hanah Takerer: Cricket husbandry (Work-Study 2011)
 Robert Watkins: Split Pulses (NSERC USRA Summer 2011)
 Andrew Mikhail: Nutrition (NSERC USRA Summer 2011)
 Christopher Gillen: Signalling (NSERC USRA Summer 2011)
 Jiajie Liu: Diet Biochemistry (Volunteer Summer 2011)
 Owen Hovey: PDF Database Management (Volunteer Winter 2011)
 Haroun Zayed: Cricket physiology and behaviour (Volunteer Winter 2011)
 Maru Karuneswaran: Cricket husbandry (Work-Study 2010-11)
 Oghenetega Enauhwo: Cricket husbandry (Work-Study 2010-11)
 Michael Francisco: Sperm and Signaling in Crickets (Volunteer Summer 2010)
 Samantha Klaus: NEARs software and training (CFI/ORF Summer 2010)
 Sarah Harrison: Do males advertise their sperm? (NSERC USRA Summer 2010)
 Andrew Mikhail: Trackball quantifies insect movement (NSERC USRA Summer 2010)
 Gary Bourque: Behavioural syndromes in crickets (Volunteer 2009-10)
 Ian Thomson: Physiology of cricket signaling (NSERC USRA Summer 2008, 09)
 Bourne August: Physiology of cricket signaling (NSERC USRA Summer 2009)
 Christopher Gillen: Behavioural syndromes in crickets (NSERC USRA Summer 2009)
 Amisha Agarwal: Aggression in crickets (Dean's Research Intern Summer 2009)
 Heather Bocz: Aggression in crickets (Dean's Research Intern Summer 2009)
 Andrew Rouble: Aggression in crickets (Dean's Research Intern Summer 2009)
 Samantha Klaus: Multi-modal signaling (Volunteer 2009)
 Louis Gagnon: Multi-modal signaling (Volunteer 2009)
 [REDACTED]: Cricket husbandry (Work-Study 2008-09)
 Kanchan Gautam: Multi-modal signaling (Work-Study 2008-09)
 Xuejing Xing: Life history traits and diet (Work-Study 2008-09)
 Brent Thompson: Life history traits and diet (Work-Study 2008-09)
 Nop Ariyaphanneekun: Cricket husbandry (Work-Study 2007-09)
 Chris Sequin: Phosphorus and reproduction (Dean's Research Intern Summer 2009)
 Chris Gillen: Multimodal signaling (Dean's Research Intern Summer 2009)
 Ioana Nicolau: General helper (Volunteer Summer 2008)
 [REDACTED]: Programming in MatLab (Work-Study 2007-08)
 Laksanavadee Visanuvimol: Syndromes (Research Assistant 2007-08)
 Rachel Bennett: Behavioural syndromes (NSERC USRA Summer 2007)
 Emily Whattam: Phosphorus and insect mating systems (NSERC USRA Summer 2007)
 Christopher Lauzon: Behavioural syndromes (Research Assistant 2006-08)
 Amanda Goth: Cricket husbandry (Research Assistant 2006-08)

2. Science Student Success Centre Volunteers 2008-2012 (N=67)

Nadine Adams: Mentor (2011-2012)
 Amisha Agarwal: Mentor (2009-2012)
 Timi Akindele: Events and Communication (2011-2012)
 Nicole Anglin: Events and Communication (2011-2012)
 Samantha Astles: 1st Year Rep (2011-2012)

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Michael Atkin: High School Outreach (2011-2012)
Kassiena Aya: Research Track (2009-2011)
Maggy Bejide: Research Track(2010-2011)
Heather Bocz: Mentor (2009-2012)
Naomi Bose: 1st Year Rep (2011-2012)
Chafik Bouchakra: Events and Communications (2010-2012)
Winston Campeau: Mentor (2010-2012)
Adrian Cheoreanu: 1st Year Rep (2011-2012)
Erin Chezick: Events and Communications (2009-2012)
Nicholas Chin: 1st Year Rep (2011-2012)
Lien Davidson: Mentor (2010-2012)
Stephanie Dobbs: Events and Communication (2009-2010)
Mutiat Enikanolaiye: Career Track (2010-2011)
Augustina Esedebe: Career Track (2010-2011)
Victoria Fleury: Teaching Assistant (2008-2009)
Cairina Frank: Career Track (2009-2012)
Keegan Hardy: 1st Year Rep (2011-2012)
Sarah Harrison: Teaching Assistant (2010-2011)
Melanie Hebert: Mentor (2011-2012)
Joshua Hefler: Research Track (2010-2012)
Emily Hopwood: Teaching Assistant (2010-2011)
Owen Hovey: Mentor (2010-2012)
Lindsay Hyland: Teaching Assistant (2011-2012)
Vincent Le: Mentor (2011-2012)
Briana Lewis: Events and Communication (2011-2012)
Calvin Lewis: Mentor (2010-2012)
Bryan Luu: Mentor (2009-2010)
Samatha Kornfeld: Career Track (2010-2011)
Ahsan Mahmood: Mentor (2011-2012)
Sami Majdalany: Events and Communications (2010-2012)
Hailey Masiero: Mentor (2010-2011)
Christopher Mattice: Research Track (2010-2012)
Keltie Mcdonald: Career Track (2010-2012)
Yasmine Miguel: Mentor (2010-2012)
Lynn Moreau: Mentor (2009-2010)
Melanie Morrison: Mentor (2010-2011)
Dan Motaxedian: Mentor (2011-2012)
Laura Ndoria: 1st Year Rep (2010-2011)
Valerie Nicholls: Mentor (2009-2011)
Bailey Paterson: Mentor (2010-2012)
Joshua Profitt: Mentor (2010-2012)
Natasha Ramkay: Career Track (2010-2011)
Camille Roberge: 1st Year Rep (2011-2012)
Nathan Robertson: Study Group Leader (2011-2012)
Vanessa Rook: Teaching Assistant (2008-2010)
Andrew Rouble: Events and Communications (2009-2012)

Graduate students are underlined (name); Undergraduates are underlined and italicized (*name*)
All listed students have given permission for their name to appear. Students who have not given permission for their name to appear have been covered following **FIPPA** guidelines (██████████)

Mark Schrote: Teaching Assistant (2008-2010)
Ryan Seangio: Med Track (2011-2012)
Christopher Seguin: Math Matters (2009-2012)
Derek Sheppard: 1st Year Rep (2011-2012)
Abhinav Shukla: Events and Communications (2010-2012)
Tyrone Spencer: 1st Year Rep (2011-2012)
Mikhel Sickland: Research Track (2009-2011)
Gavez Smith: Study Group Leader (2011-2012)
Richard Steinhardt: Events and Communications (2010-2011)
Alexandra Tseytlin: Mentor (2009-2010)
Maddison Turner: 1st Year Rep (2011-2012)
Cody Wise: Mentor (2011-2012)
Kendra Young: Mentor (2010-2012)
Haroun Zayes: Mentor (2010-2012)
Yi Zheng: Mentor (2011-2012)
Tommy Zieba: Study Group Leader (2011-2012)

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