

Curriculum Vitae - Dr. Bernard Crespi



Brief Overview of Contributions & Accomplishments

- (1) Canada Research Chair in Evolution and Psychology, Tier I, in 2017.
- (2) Election to the Royal Society of Canada in 2010.
- (3) Killam Research Fellowship in 2005.
- (4) Two publications in *Science*, six in *Nature* (two of them single-authored), and five in *PNAS*.
- (5) Over 180 refereed publications overall, and five books.
- (6) Ten members from my laboratory now in tenured or tenure-track academic positions.
- (7) Multiple major international awards in evolutionary and behavioral biology (Theodosius Dobzhansky Prize from the *Society for the Study of Evolution*, E. O. Wilson Award from the *American Society of Naturalists*, and Quest Award from the *Animal Behavior Society*).
- (8) Collaborations that have led to publications with various SFU faculty (e. g., Gries and Christians), and training of students and PDFs and free and open use of my lab, for various DNA work (e. g., Cory, Lank and Williams).
- (9) Foundational and central member and contributor in two research groups, Fab-Lab and HESP (Human Evolutionary Studies Program).
- (10) Exemplary teaching, as evidenced, for example, by my teaching reviews, my merit increases, and a statement to me from our Undergraduate Adviser

that my Evolution of Health and Disease course BISC 441 is 'the most popular course in the Department'.

(11) Consistent contributions over the years to service in the Department, and participation in many Departmental extra-curricular activities such as talk series and presentations to high school students.

Research Summary

The main purpose of my research program is to use integrated genetic, behavioural, ecological and phylogenetic approaches to study the evolution of social and sexual systems across all levels in the hierarchy of life, from genes, to cells, to organisms, to social systems, and to the brain.

In my lab we study several of the outstanding and emerging questions in evolutionary biology, including the evolution of social behaviour, the evolution of human health and disease, the evolution of placentation and maternal-fetal interactions, the evolution of asexual reproduction, and the roles of genetics, ecology and geography in speciation and adaptive radiation. As research systems we use non-clinical ('normal') humans and insects, mainly walking sticks, with a combination of fieldwork, molecular genetics, phylogenetics, and behavioral and evolutionary ecology.

Our research currently focuses on: (1) the proximate mechanisms of reproductive isolation and speciation in walking-sticks, (2) the roles of imprinted genes in human cognition and psychiatric conditions, (3) the functions of 'autism risk' and 'schizophrenia risk' genes in non-clinical populations, (4) the integration of human evolutionary genetics with disease genetics, and (5) extending and testing a model that we developed for human cognitive architecture and psychiatric conditions, whereby autism spectrum and psychotic-affective spectrum disorders represent diametric (opposite) conditions mediated by cognitive tradeoffs.

Educational Background

- 1987 Ph.D. Biology, *University of Michigan*, Ann Arbor, U.S.A, with Richard D. Alexander (Chair), William D. Hamilton, Richard W. Wrangham, and Bobbi S. Low.
- 1980 B.Sc. Biology (Honors), *University of Chicago*, Chicago, IL, U.S.A.
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Employment History at Academic Institutions

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| 2002 - Current | Professor, Biological Sciences, Simon Fraser University |
| 1997 - 2001 | Associate Professor with tenure, Biological Sciences, Simon Fraser University |
| 1992 - 1997 | Assistant Professor, Biological Sciences, Simon Fraser University |
| 1991 - 1992 | NSF Environmental Biology Postdoctoral Fellow, Section of Ecology and Systematics, Corson Hall, Cornell University, with Rick Harrison |
| 1989 - 1990 | NATO-NSF Postdoctoral Fellow, Animal Behaviour Research Group Department of Zoology, Oxford University, with W. D. Hamilton |
| 1988 - 1989 | NSF Environmental Biology Postdoctoral Fellow, School of Biological Science, University of New South Wales, with Ross Crozier |
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Refereed Publications

- Riesch, R., Muschick, M., Lindtke, D., Villoutreix, R., Comeault, A.A., Farkas, T.E., Lucek, K., Hellen, E., Soria-Carrasco, V., Dennis, S.R. and de Carvalho, C.F. (2017) Transitions between phases of genomic differentiation during stick-insect speciation. *Nature Ecology & Evolution*, 1, p.0082.
- Crespi, B., Read, S. and P. Hurd (2017) Segregating polymorphisms of FOXP2 are associated with measures of inner speech, speech fluency and strength of handedness in a healthy population. *Brain and Language* (in press)

Procyshyn, T., Hurd, P., Crespi, B. (2017) Association testing of vasopressin receptor 1a microsatellite polymorphisms in non-clinical autism spectrum phenotypes. *Autism Research* 10:750-756

Procyshyn TL, Spence J, Read S, Watson NV, Crespi BJ. (2017) The Williams syndrome prosociality gene GTF2I mediates oxytocin reactivity and social anxiety in a healthy population. *Biology Letters* 13.

Crespi BJ, Procyshyn TL. (2017) Williams syndrome deletions and duplications: Genetic windows to understanding anxiety, sociality, autism, and schizophrenia. *Neuroscience and Biobehavioral Reviews* 79:14-26.

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Crespi, B. J. (2016) The evolutionary etiologies of autism spectrum and psychotic-affective spectrum disorders. Chapter 20. In: *Evolutionary Thinking in Medicine: From Research to Policy and Practice*. Edited by Alexandra Alvergne. Oxford University Press.

Crespi, B. (2016) The convergent and divergent evolution of social-behavioral economics. *Behavioral and Brain Sciences* 39:e96.

Crespi, B. (2016) The kin selection of religion. In: *Oxford Handbook of the Evolution of Religion* (eds. J. M. Liddle and T. Shackleford) (in press).

Crespi, B., E. Leach, N. Dinsdale, and P Hurd (2016) Imagination in human social cognition, autism, and psychotic-affective conditions. *Cognition* 150:181-199.

Robinson, K. J., P. Hurd, S. Read, and B. Crespi (2016) The PCSK6 gene is associated with handedness, the autism spectrum, and magical ideation in a non-clinical population. *Neuropsychologia* 84:205-212.

Dinsdale, N., M. Mokkonen and B. Crespi (2016) The 'extreme female brain'; increased cognitive empathy as a dimension of psychopathology. *Evolution and Human Behavior* DOI: <http://dx.doi.org/10.1016/j.evolhumbehav.2016.02.003>

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Crespi, B. and M. Go. (2015) Diametrical diseases reflect evolutionary-genetic tradeoffs: evidence from psychiatry, neurology, rheumatology, oncology and immunology. *Evolution, Medicine and Public Health* 2015: 216-253.

Kolte, A.M., H. S. Nielsen, R. Steffensen, B. Crespi and O. B. Christiansen (2015) Inheritance of the 8.1 ancestral haplotype in recurrent pregnancy loss. *Evolution, Medicine, and Public Health*, 2015:325-331.

Arnal, A., B. Ujvari, B. Crespi, R. A. Gatenby, T. Tissot, M. Vittecoq, P. W. Ewald, A. Casali, H. Ducasse, C. Jacqueline and D. Missé (2015) Evolutionary perspective of cancer: myth, metaphors, and reality. *Evolutionary Applications*, 8:541-544.

Arbuthnott, D., T. Schwander and B. J. Crespi (2015) Female stick insects mate multiply to find compatible mates. *American Naturalist* 186:519-530.

Crespi, B. J. and P. L. Hurd (2015) Genetically-based correlates of serum oxytocin and testosterone in autism and schizotypy. *Personality and Individual Differences* 79:39-43.

Mökkönen, M. and B. J. Crespi (2015) Genomic conflicts and sexual antagonism in human health: insights from oxytocin and testosterone. *Evolutionary Applications* 8:307-325.

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Crespi, B. J. (2015) Oxytocin, testosterone and human social cognition. *Biological Reviews* 2015: doi: 10.1111/brv.12175.

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Crespi, B. J. and P. L. Hurd (2014) Cognitive-behavioral phenotypes of Williams syndrome are associated with genetic variation in the GTF2I gene, in a healthy population. *BMC Neuroscience* 15:1-6

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Joy J. and Crespi, B. (2007) Adaptive radiation of gall-inducing insects on a single host plant. *Evolution* 61: 784-795.

Nosil P., B. J. Crespi, R. Gries, G. Gries. (2007) Natural selection and divergence in mate preference during speciation. *Genetica* 129:309-27.

McLeish M. J., Crespi, B. J., Chapman, T. W., and Schwarz, M. P. (2007) Parallel diversification of Australian gall-thrips on *Acacia*. *Molecular Phylogenetics and Evolution* 43:714-725.

Springer S. A. and B. J. Crespi (2007) Adaptive gamete-recognition divergence in a hybridizing *Mytilus* population. *Evolution* 61:772-83.

Parent C. E. and Crespi B. J. (2006) Sequential colonization and diversification of Galapagos endemic land snail Genus *Bulimulus* (Gastropoda, Stylommatophora). *Evolution* 60:2311-28.

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Crespi B. J. and P. Abbot (1999) The behavioral ecology and evolution of kleptoparasitism in Australian gall thrips. *Florida Entomologist (Behavioral Ecology Symposium Issue)* 82:147-164.

Harrison M. H. and B. J. Crespi. (1999) A phylogenetic test of ecomorphological adaptation in *Cancer* crabs. *Evolution* 53:961-965.

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Sandoval C., D. A. Carmean, and B. J. Crespi. (1998) Molecular phylogenetics of sexual and asexual *Timema* walking-sticks. *Proceedings Royal Society of London B* 265:589-595.

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Crespi B. J. (1992) Natural selection and morphometrics. Pp. 55-64. In: J.T. Sorensen and R. Footit (eds.) *Ordinations in the Study of Morphology, Evolution, and Systematics in Insects*. Elsevier.

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Elgar M. and B.J. Crespi. (1992). *Cannibalism: Ecology and Evolution among Diverse Taxa*. Oxford University Press, Oxford, U.K. (edited volume)

Crespi B.J. (1991). Heterozygosity in the haplodiploid Thysanoptera. *Evolution* 45: 458-464.

Alexander R.D., K. Noonan, and B.J. Crespi. (1991). The evolution of eusociality, pp. 3-44 In: P.W. Sherman, J. Jarvis, and R.D. Alexander (eds.) *The Biology of the Naked Mole Rat*. Princeton University Press.

Crespi B. J. (1990) Subsociality and female reproductive success in a mycophagous thrips: an observational and experimental analysis. *Journal of Insect Behavior* 3:61-74.

Crespi B. J. (1990) The measurement of selection on phenotypic interaction systems. *American Naturalist* 135:32-47.

Crespi B. J. and P.D. Taylor. (1990). Dispersal rates under variable patch density. *American Naturalist* 135:48-62.

Crespi B. J. (1989) Facultative viviparity in a thrips. *Nature* 337:357-358.

Crespi B. J. and F. L. Bookstein. (1989) A path-analytic model for the measurement of selection on morphology. *Evolution* 43:18-28.

Frank S. A. and B. J. Crespi (1989) Synergism between sib-rearing and female-biased sex ratios. *Behavioral Ecology and Sociobiology* 24:155-162.

Crespi B.J. (1989) Variable selection and size-related mating patterns in natural populations of *Elaphrothrips tuberculatus*: A path analysis. *American Midland Naturalist* 122: 142-150.

Crespi B. J. (1989) Causes of assortative mating in arthropods. *Animal Behaviour* 38:980-1000.

Crespi B. J. (1989) Sexual selection and assortative mating in subdivided populations of the thrips *Elaphrothrips tuberculatus* (Insecta: Thysanoptera). *Ethology* 3:265-278.

Crespi B. J. (1988) Sex ratio selection in a bivoltine thrips: Conditional sex ratio manipulation and fitness variation. *Evolution* 42:1199-1211.

Crespi B. J. (1988) Risks and benefits of lethal male fighting in the polygynous, colonial thrips *Hoplothrips karnyi*. *Behavioral Ecology and Sociobiology* 22: 293-301.

Crespi B. J. (1988) Adaptation, compromise and constraint: the development, morphometrics and behavioral basis of a fighter-flier polymorphism in male *Hoplothrips karnyi*. *Behavioral Ecology and Sociobiology* 23: 93-104.

Crespi B. J. (1988) Alternative male mating tactics in a thrips: effects of sex ratio variation and body size. *American Midland Naturalist* 119: 83-92.

Crespi B. J. (1986) Size assessment and alternative fighting tactics in *Elaphrothrips tuberculatus* (Insecta: Thysanoptera). *Animal Behaviour* 34: 1324-1335.

Crespi B. J. (1986) Territoriality and fighting in a colonial thrips, *Hoplothrips pedicularius*, and sexual dimorphism in Thysanoptera. *Ecological Entomology* 11: 119-130.

Other Publications

Crespi B. J., D. C. Morris and L. A. Mound (2004) *Evolution of Ecological and Behavioural Diversity: Australian Acacia Thrips as Model Organisms*. Australian Biological Resources Study & CSIRO Entomology: Canberra, Australia. Book, 328 pages.

Crespi B.J. (2000) Closing the loop. *Molecular Evolution: A Phylogenetic Approach*. *Bioessays* 22:405. (book review)

Crozier R. and B.J. Crespi (2000) A life of insight - in Memoriam William D. Hamilton (1936-2000). *Obituary*. *Insectes Sociaux* 47:1.

Crespi B.J. (2000) From genes to religion, and back. *Levels and Units of Selection: Journal of Evolutionary Biology*. 13:732-733. (book review)

- Crespi B. J. (1998). Thysanoptera, An Identification Guide, 2nd Edition. Systematic Entomology. 24:101. (book review)
- Choe J. and B. J. Crespi. (1997) The Evolution of Mating Systems in Insects and Arachnids. Cambridge University Press. (edited volume).
- Choe J. and B.J. Crespi. (1997) The Evolution of Social Behavior in Insects and Arachnids. Cambridge University Press. (edited volume).
- Crespi B. J. (1996) Thrips Biology and Management. Quart. Rev. Biol. 71:584. (book review)
- Crespi B. J. (1995) Food for thought. Nutrition and Evolution in Insect Societies. Journal of Insect Behavior 8: 731-733. (book review)
- Crespi B. J. (1995) Chemical Ecology of Thrips-Host Plant Interactions. Bulletin Entomological Society of Canada 27:105-106. (book review)
- Crespi B. J. (1990) The social and sexual behavior of Australian gall thrips. pp. 297-298. In: Social Insects and the Environment. Proceedings of the XXIst International Congress of Entomology, Bangalore.
- Crespi B. J. (1987) Fighting behaviour in male tubuliferan thrips. pp. 424-425. In: J. Holman, J. Pelikan, A.F.G. Dixon and L. Weismann (eds.). Population Structure, Genetics and Taxonomy of Aphids and Thysanoptera. SPB Academic Publishing, The Hague, Netherlands.
- Crespi B. J. (1987) Behavioral Ecology of Mycophagous Thysanoptera. Ph.D. Thesis. University of Michigan, Ann Arbor.

Conferences, Workshops and Presentations

Invited Talks

- 2017 Sydney University, Australia, Invited Departmental Seminar
- 2016 Public Lecture, Vancouver, SFU Harbour Centre, on mental health
- 2015 Yale University, Invited Departmental Seminar, and lecture to Evolutionary Medicine class
- 2015 Arizona State University, Invited Symposium Talk
- 2014 University of Lausanne, Switzerland, Invited 'Big Talk' Seminar
- 2014 McMaster University, Margo Wilson Memorial Lecture (also considered as an Award)
- 2014 University of British Columbia, Conference on Developmental Origins of Adult Disease, Invited Seminar
- 2014 CNRS meeting on Evolution and Cancer, Roscoff, France, Invited Talk
- 2014 Arizona State University, Invited Seminar
- 2013 University of Haifa, Israel, Evolution of Child Health Conference
- 2012 Simon Fraser University, 'Taste of Pi' talk to high school students in math and science
- 2012 University of California San Diego, CARTA symposium on Human Origins, two invited talks (one a public lecture)
<http://carta.anthropogeny.org/mediaplayer/play/10347/7092>
- 2012 University of Michigan, Ann Arbor, Department of Ecology and Evolution, Departmental Seminar
- 2012 University of Michigan, Ann Arbor, Public Health and Epidemiology, Invited Seminar.
- 2012 Palo Alto Institute Conference on Evolutionary Medicine, Stanford University
<http://www.youtube.com/watch?v=kEDDgoOSPZ0>
- 2012 Department Seminar, University of Toronto Scarborough

- 2012 UBC Centre for Molecular Medicine and Therapeutics, Seminar
- 2012 Harvard University, Departmental Seminar in Organismal and Evolutionary Biology, and Evolutionary Medicine course guest lecture
- 2012 University of California Los Angeles, Department of Ecology and Evolution and David Geffen School of Medicine, Public Lecture for 'Darwinian Medicine Month'
- 2012 Department Seminar, Department of Molecular Medicine, University of California San Diego
- 2012 NESCent meeting on Genomic Imprinting, Durham, North Carolina, Invited Participant.
- 2011 UBC, Biodiversity series, Zoology
- 2011 Society for the Study of Evolution, Evolutionary Medicine Symposium, Invited talk
- 2010 Gordon Conference, Genes & Behaviour, Invited Speaker, Ventura, California
- 2010 University of British Columbia, Mood Disorders Clinic, Grand Rounds
- 2009 University of British Columbia, Brain Research Institute
- 2009 Canadian Society of Physical Anthropology, Invited Plenary Speaker, Vancouver.
- 2009 'Darwin and Your Brain' Public Lecture, Harbour Centre, Simon Fraser University. <http://www.youtube.com/watch?v=bT4xlw4rc7Q>
- 2008 Departmental Seminar SFU Department of Biosciences
- 2008 Departmental Seminar SFU Department of Archaeology
- 2008 Departmental Seminar SFU Department of Psychology
- 2008 Departmental Seminar SFU Department of Engineering Sciences
- 2008 US National Academy Sackler Symposium, Washington DC
- 2008 Invited Seminar, Yale University, Conference on Evolutionary Medicine
- 2007 Invited Seminar, UBC Brain Research Institute
- 2007 Invited Plenary Speaker, Conference on Depression, London UK
- 2002 University of Massachusetts. "The Charles P. Alexander Lecture"

2001-2007 Almost all invitations declined due to three small children at home

2000 Plenary Speaker. North American Section, International Union for the Study of Social Insects, Arkansas

1999 University of Puget Sound

1999 University of Guelph

1998 Santa Fe Institute Meeting on Social Evolution

1998 University of California, Davis

1998 University of Paris (Juisseau Campus).

1998 University of Victoria

1998 Plenary Speaker, International Union for the Study of Social Insects, Adelaide.

1998 Penn State University

1998 University of Alberta

1997 European Science Foundation Workshop on Social Behavior, Castleton, U.K.

1997 University of Santa Barbara

1997 University of Maryland

1996 University of Calgary

1996 University of Alberta

1995 University of Kansas

1994 University of Montana, Missoula

1994 Plenary Speaker, Northeast Regional Animal Behavior Meetings, New Hampshire

1994 Animal Behavior Society, Invited Symposium Speaker, Seattle

1994 Society of the Study of Evolution, Athens, Georgia

1994 Animal Behavior Society, Seattle

1994 Northeast Regional Animal Behavior Meetings, New Hampshire

1992 Harvard University, Cambridge, Mass.

1992 University of Connecticut, Storrs

1992 University of British Columbia

1992 Simon Fraser University, Burnaby, B.C.

1992 LaTrobe University, Melbourne

1991 Cornell University, Ithaca

1991 Penn State University, University Park, P.A.

1991 University of Toronto

1991 Queen's University Biological Station, Ont.

1991 Simon Fraser University, Burnaby, B.C.

1990 Syracuse University, N.Y.
 1990 University of Sheffield, U.K.
 1990 Brown University, Providence, R.I.
 1990 Imperial College at Silwood Park, U.K.
 1990 University of New Mexico, Albuquerque, N.M.
 1990 University of Keele, U.K.
 1990 University of Rochester, Rochester, N.Y.
 1989 Australian National University, Canberra, ACT.
 1989 Oxford University, Oxford, U.K.
 1989 Cambridge University, Cambridge, U.K.
 1989 University of Illinois, IL.
 1989 Princeton University, N.J.
 1989 University of New South Wales, NSW
 1989 University of Queensland, Brisbane, QLD.
 1988 University of California, Irvine, CA.
 1988 University of Florida, Gainesville, FL.
 1988 Simon Fraser University, Burnaby, B.C.
 1987 University of Rochester, Rochester, N.Y.
 1986 University of Georgia, Athens, GA.
 1985 Oxford University, Oxford, U.K.

Presentations

2005-2015 Talks presented by 1-4 of my students and PDFs every year (except 2006) at Society for the Study of Evolution and other meetings
 2004 Society for the Study of Evolution (4 talks)
 2004 International Congress of Entomology, Brisbane (1 talk)
 2003 Society for the Study of Evolution (3 talks)
 2002 Society for the Study of Evolution (3 talks, 1 poster, with P. Nosil, C. Parent, S.Springer, J. Joy).
 2002 Invited Symposium Speaker, International Union for the Study of Social Insects, Sapporo, Japan. 2002.
 2001 Society for the Study of Evolution (2 talks, 1 poster, with P. Nosil, T. Chapman, B. Kranz, D., K. Bejah, M. Schwarz, J. Law)
 2000 North American Section, International Union for the Study of Social Insects, Arkansas
 1998 International Union for the Study of Social Insects, Adelaide, Australia. (with B. Kranz, first author and M.P. Schwarz)
 1998 Society for the Study of Evolution (with M. Worobey)

- 1998 Society for the Study of Evolution (with T. Chapman, first author).
- 1998 Society for the Study of Evolution (with M. Harrison, first author).
- 1998 Society for the Study of Evolution (with C. Sandoval, first author, and D. Carmean)
- 1997 Society for the Study of Evolution (with B. Kranz, first author, M.P. Schwarz and L. Mound)
- 1997 Society for the Study of Evolution. (with T. Chapman, first author)
- 1997 Society for the Study of Evolution (with M. Harrison, first author).
- 1996 Behavioral Ecology Society, Canberra. (with T. Chapman)
- 1996 Speciation Meeting. "Speciation Meeting" Endless Forms: Species and Speciation" Asilomar, CA, (with *C. Sandoval, first author and D. Carmean)
- 1996 International Congress of Entomology, Florence. (with *B. Kranz, first author, M.P. Schwarz and L.A. Mound)
- 1996 Behavioral Ecology Society, Canberra (with B. Kranz, first author, and M.P. Schwarz)
- 1995 Entomological Society of Canada, Victoria
- 1995 Society for the Study of Evolution, Montreal
- 1995 Entomological Society of Canada, Victoria
- 1995 Society of the Study of Evolution, Montreal. (with P. Abbot and D. Carmean)
- 1994 Society of the Study of Evolution, Athens, Georgie
- 1992 Society for the Study of Evolution, Berkeley
- 1991 European Society of Evolutionary Biology, Debrecen, Hungary
- 1990 International Union for the Study of Social Insects, Bangalore, India
- 1989 Society for the Study of Evolution, Penn. State
- 1988 Society for the Study of Evolution, Asilomar, CA.
- 1988 International Congress of Entomology, Vancouver, B.C.
- 1987 Society for the Study of Evolution, Bozeman, MT.
- 1987 International Ethological Conference, Madison, WI.
- 1987 Animal Behavior Society, Williamstown, M.A.
- 1986 Animal Behavior Society, Tucson, AZ.
-

Research Funding

- Contract/Grant:** Discovery Grant **Awarded:** 2014 **Period:** 2014 – 2019
Project Title Tradeoffs, Conflicts and Cooperation in the Evolution of Behaviour and Reproduction
Funding: NSERC **Type:** External **Annual:** \$62,200 **Total:** 311,000
Involvement: Principal Investigator
- Contract/Grant:** Discovery Grant **Awarded:** 2009 **Period:** 2009 – 2014
Project Title: Integrating Phylogenetics, Evolutionary Genetics & Molecular Ecology in the Study of Diversification
Funding: NSERC **Type:** External **Annual:** \$82,400 **Total:** 412,000
Involvement: Principal Investigator
PLUS Discovery Grant Accelerator Supplement, 2010-2012, 3 years, 40,000/year
- Contract/Grant:** SFU Community Trust Endowment **Awarded:** 2011 **Period:** 2011-2016
Project Title: Human Evolutionary Studies Program
Type: Internal **Total:** \$1,143,125 **Involvement:** Investigator, with Mark Collard, (Archaeology) Arthur Robson (Economics), Greg Dow (Business), Arne Mooers (Biological Sciences), P. Nepomnaschy (Health Sciences)
- Contract/Grant:** Equipment Grant **Awarded:** 2012 **Period:** 2012-2012
Project Title: Illumina Mi-Seq DNA Sequencer
Funding: NSERC **Type:** External **Total:** \$136,083
Involvement: Investigator **Collaboration:** M. Hart, F. Breden, H. Hutter, R. Leroux, J. Mattsson, P Unrau.
Institution of Co-Investigator(s): SFU
- Contract/Grant:** Discovery Grant **Awarded:** 2004 **Period:** 2004 - 2009
Project Title: An Integrated Phylogenetic and Behavioral-Ecological Approach to the Evolution of Adaptive Radiation
Funding: NSERC **Type:** External **Annual:** \$75,500 **Total:** 377,500
Involvement: Principal Investigator
- Contract/Grant:** Research Grant **Awarded:** 2002 **Period:** 2002 - 2005
Project Title: Co-Evolution of Sociality and Sex Allocation: Phylogenetic Comparative Approaches Using Insects.
Funding: Australian Research Council Discovery Grant **Type:** External **Annual:** 120,000 AUS **Total:** 360,000 AUS
Involvement: Principal Investigator **Collaboration:** I am a "1st partner" on this grant, which supports my lab's travel and fieldwork
- Contract/Grant:** Equipment Grant **Awarded:** 2004 **Period:** 2004 - 2004
Project Title: An Inexpensive DNA Sequencer for Microsatellite Genotyping in Evolutionary Ecology
Funding: NSERC **Type:** External **Annual:** \$21,463 **Total:** 21,463
Involvement: Principal Investigator **Collaboration:** M. Hart, E. Elle, F. Breden
Institution of Co-Investigator(s): SFU
- Contract/Grant:** Operating Grant **Awarded:** 1999 **Period:** 1999 - 2004
Project Title: "An Integrated Phylogenetic and Ecological Approach to the Evolution of Insect Reproductive Behaviour"
Annual: \$59,800 **Total:** \$299,000
Involvement: Principal Investigator

- Contract/Grant:** Research Grant **Awarded:** 2000 **Period:** 2000 - 2002
Project Title: Evolution of Social Behaviour in Australian gall-forming thrips n Acacia
Funding: Australian Research Council, Large Grant **Type:** External **Total:** \$318,000
AUS
Involvement: Principal Investigator **Collaboration:** I am "1st partner" on this grant, which supports my lab's travel and fieldwork
- Contract/Grant:** Equipment Grant **Awarded:** 2000 **Period:** 2000 - 2000
Project Title: "Thermal Cycler for Polymerase Chain Reaction"
Funding: NSERC **Type:** External **Total:** \$12,642
Involvement: Principal Investigator
- Contract/Grant:** Research Grant **Awarded:** 1997 **Period:** 1997 - 1999
Project Title: Social Behaviour, Ecology and Evolution of Australian gall-forming thrips and their allies.
Funding: Australian Research Council, Large Grant **Total:** \$212,000
Involvement: Principal Investigator **Collaboration:** I am "1st partner" on this grant, which supports my lab's travel and fieldwork.
- Contract/Grant:** GREAT Award **Awarded:** 1997 **Period:** 1997 - 1999
Project Title: Cancer crab population structure
Funding: B.C. Science Council **Total:** \$34,000
- Contract/Grant:** Operating Grant **Awarded:** 195 **Period:** 1995 - 1999
Project Title: "An Integrated Phylogenetic and Ecological Approach to the Evolution of Insect Reproductive Behaviour".
Funding: Natural Science and Engineering Research Council **Annual:** \$37,800
- Contract/Grant:** Operating Grant **Awarded:** 1992 **Period:** 1992 - 1994
Project Title: "An Integrated Phylogenetic and Ecological Approach to the Evolution of Insect Reproductive Behaviour"
Funding: Natural Science and Engineering Research Council **Annual:** \$32,200 **Total:** \$96,600
- Contract/Grant:** Equipment Grant **Awarded:** 1993 **Period:** 1993 - 1993
Project Title: "Ultra-low Temperature Freezer for Preserving Biological Activity of Allozyme, DNA and Tissue Samples"
Funding: Natural Science and Engineering Research Council **Total:** \$12,472
- Contract/Grant:** Development Grant **Awarded:** 1991 **Period:** 1991 - 1993
Project Title: "The Social Biology of Australian Gall Thrips" (for two periods of five-month's work on the social biology and genetics of Australian gall thrips.)
Funding: National Geography Society **Total:** \$24,800 US
- Contract/Grant:** Equipment Grant **Awarded:** 1992 **Period:** 1992 - 1992
Project Title: "A Cetus Thermal-Cycler for the Polymerase Chain Reaction"
Funding: Natural Science and Engineering Research Council **Total:** \$11,502
- Contract/Grant:** President's Fund **Awarded:** 1992 **Period:** 1992 - 1992
Project Title: "An Integrated Phylogenetic and Ecological Approach to the Evolution of Reproductive Behaviour"
Funding: Simon Fraser President's Fund **Total:** \$7,000

Contract/Grant: Fellowship Grant **Awarded:** 1989 **Period:** 1989 - 1991
Project Title: "Molecular Genetic and Systematics of Thysanoptera" (For two years of work on evolution and genetics of Thysanoptera.)
Funding: NSF Environmental Biology Post-Doctoral Fellowship Grant

Contract/Grant: Research Grant **Awarded:** 1990 **Period:** 1990 - 1990
Project Title: "Genetic Analysis of Sex Ratio Evolution in Colonial Hoplothrips". (For electrophoretic work on Hoplothrips)
Funding: Natural Environmental Research Council **Total:** \$2,700
Involvement: Joint Investigator **Collaboration:** (with Professor W.D. Hamilton).

Contract/Grant: Fellowship Grant **Awarded:** 1989 **Period:** 1989 - 1990
Project Title: "Genetic Analysis of Sex Ratio Evolution in Colonial Hoplothrips". (For one year of work at Oxford University on sex ratio selection in Hoplothrips.)
Funding: NSF-NATO Post-Doctoral Fellowship

Active Service to Simon Fraser University

Departmental Committees

| | |
|-------------|--|
| 2014 - 2015 | Member (Alternate), Tenure and Promotion Committee |
| 2012 - 2012 | Member, Lecturer Search Committee |
| 2011 - 2013 | Member, Tenure and Promotions Committee |
| 2010 - 2011 | Chair, Strategic Planning Committee |
| 2008 - 2009 | Member, Tenure and Promotions Committee |
| 2005 - 2008 | Killam Research Fellowship, with Administrative Leave |
| 2004 - 2005 | Member, Tenure and Promotions Committee |
| 2004 - 2005 | Member, Physiology Search Committee |
| 2002 - 2003 | Member, Appointments Committee |
| 2001 - 2002 | Limited service on Departmental Committees due to (1) NSERC GSC-18 duties, (2) service on four Editorial Boards, (3) Parental leave. I was, however, an active participant in Departmental Meetings. |
| 1999 - 2000 | Member, Evolutionary Physiology Search Committee |
| 1998 - 2000 | Chair, Departmental Strategic Planning Committee |
| 1998 - 2000 | Member, Departmental Tenure Committee |
| 1998 - 2000 | Member, Course Planning Group |
| 1998 - 2000 | Member, Appointments Committee |
| 1997 - 1999 | Member, Plant Evolutionary Ecology Search Committee |
| 1995 - 1996 | Member, Genetics Search Committee |
| 1993 - 1996 | Member, Departmental Graduate Studies Committee |
| 1994 - 1995 | Member, Departmental Tenure Committee |
| 1994 - 1995 | Member, Departmental Structure Working Group |

Service to the Academic Community

| | |
|-------------|--|
| 2015 - 2016 | Co-organizer, Evolution and Human Behavior Meeting, Vancouver |
| 2015 - 2015 | Consultant (unpaid) for DARPA, minimalist biosocial systems |
| 2014 - 2014 | Co-organizer, Workshop on Evolutionary Aspects of Child Development and Health, Harbour Centre |
| 2013 - 2015 | Adjudication Committee, Society for the Study of Evolution, for E. O. Wilson Award (Chair in 3rd year) |
| 2012 - 2015 | Faculty Adviser to the University of British Columbia Medical Student Association's 'Evolutionary Medicine' Club |
| 2012 - 2012 | Canadian Institute of Health Research, Epigenetics Panel |
| 2012 - 2016 | Editorial Board, Evolution, Medicine & Public Health (and Reviews Editor) |
| 2012 - 2016 | Editorial Board, Evolution, Medicine and Public Health |
| 2009 - 2010 | Michael Smith Foundation for Health Research, Review Panel, Clinical Research |
| 2008 - 2009 | Grants Panel, US National Cancer Institute |
| 2008 - 2015 | Editorial Board, Evolutionary Applications |
| 2008 - 2016 | Evolution and Medicine Review, 'Senior Correspondent' |
| 2008 - 2009 | Coordinator, International Union for the Study of Social Insects, 2010 meeting |
| 2008 - 2009 | NSERC, Major Facilities Grants, Adjudication Panel Member |
| 2007 - 2008 | Canada Research Chairs, College of Reviewers (member of panel that adjudicates CRC applications from Universities across Canada) |
| 2003 - 2006 | Associate Editor, American Naturalist |
| 2001 - 2016 | External Examiner on Theses |
| 2001 - 2015 | Tenure and Full-Professor Promotion reviews (about 10 Universities, details confidential) |
| 1992 - 2016 | Reviewer for journals: American Naturalist, Autism, Behavioral Ecology, behavioral Ecology and Sociobiology, Canadian Entomologist, Ecoscience, Evolution, Evolutionary Applications, Insectes Sociaux, Molecular Biology and Evolution, Molecular Phylogenetics and Evolution, Nature, Quarterly Review of Biology, Science, Systematic Entomology, Systematic Zoology, Trends in Ecology and Evolution, various others |
| 1992 - 2016 | Reviewer of grant proposals, ARC, MRC, NERC, NSERC, NSF |
| 2002 - 2003 | Chair, NSERC Grant Selections Committee 18 (Ecology and Evolution) |
| 2000 - 2003 | Member, NSERC Grant Selections Committee 18 (Ecology and Evolution) (equivalent of NSF Panel Member). |
| 2002 - 2002 | Symposium Organizer, International Union for the Study of Social Insects, Sapporo, 2002. |
| 2000 - 2002 | Associate Editor, Evolution |

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| 1999 - 2002 | Editorial Board, Journal of Evolutionary Biology |
| 1999 - 2002 | Editorial Board, Journal of Ethology |
| 1997 - 2002 | Advisory Editor, Behavioral Ecology and Sociobiology |
| 1995 - 2002 | I established and ran an electronic mail network for scientists who use the polymerase chain reaction and DNA sequencing for insect systematics and populations biology. |
| 1999 - 2000 | Reviewer for Full Professor Decisions (or equivalent) (Dates Confidential), Smithsonian Institution, Ben-Gurion University |
| 1999 - 2000 | I was an organizer of the Canadian Society for Ecology and Evolution at its instantiation |
| 1998 - 2016 | I have given many interviews on my work to the CBC and other media. |
| 1997 - 2000 | Member, NSERC GSC-18 Reallocations Steering Committee |

Awards, Honors and Scholarships

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|------|--|
| 2017 | Canada Research Chair, Tier 1, 2017-2024 (\$1.4 million) |
| 2016 | Sterling Prize in Support of Controversy, Simon Fraser University |
| 2015 | QUEST Award, Animal Behavior Society, for 'outstanding seminal contributions in animal behavior' |
| 2013 | My honours student (and coauthor) Helen Crofts was her Class Valedictorian |
| 2010 | Induction into the Royal Society of Canada |
| 2009 | My PDF Tanja Schwander won the John Maynard Smith Award from the European Society for Evolutionary Biology (the Society's major Award honoring a young Evolutionary Biologist) |
| 2008 | Appointment to 'University Professorship' Chair at Simon Fraser University |
| 2008 | Appointment as "Founding Fellow", UBC Institute of Mental Health. |
| 2007 | My PhD student Patrik Nosil won the NSERC Doctoral Prize (awarded for best two theses in Canada every year), the Governor General of Canada Gold Medal Award, and the Dobzhansky Prize (a top award from the Society for the Study of Evolution) |
| 2005 | Killam Research Fellowship, Canada Council for the Arts |
| 2004 | Whitley Award Research Organization: Royal Society of New South Wales, Australia Details: for best book in evolutionary biology published in Australia in 2004. |
| 2002 | "The Charles P. Alexander Lecture" Type: Honor Organization: Department of Entomology, University of Massachusetts |

- 2001 E.O. Wilson Award
Organization: American Society of Naturalists
Details: Yearly international prize to recognize contributions to evolutionary biology and knowledge of a particular group of organisms, US \$2,000 award
- 1998 "Travel and expenses for weeklong visit to Paris, with two talks presented.
Type: Fellowship. Organization: The University of Paris, Jussieu Campus".
- 1996 "Travel expenses paid for collaborative visit to Flinders University, Adelaide."
Type: Fellowship
Organization: Flinders University of South Australia, Visiting Fellowship
- 1995 "Yearly invited series of two lectures during week-long visit, in honor of eminent entomologist Dr. Charles Michener" Type: Honor
Organization: The Michener Lectures, University of Kansas, Lawrence, Kansas
- 1989 Theodosius Dobzhansky Prize Type: Award
Organization: Society for the Study of Evolution
Details: Yearly international prize to recognize outstanding young evolutionary biologist, US \$5,000 award.

Semesterly Activity at Simon Fraser University

| | Semester | Type | Course | Number | Session | Type | Hours | Enrollment |
|--|----------|----------|-------------------------------------|--------------|---------|------------------------|-------|------------|
| | 2017-2 | Research | | | | | | |
| | 2017-1 | Teaching | Evolutionary Theory | BISC 806 | | Lecture | 3.00 | 5 |
| | 2016-3 | Teaching | Evolution of Health and Disease | BISC 441 | | Lecture | 3.00 | 40 |
| | 2016-2 | Research | | | | | | |
| | 2016-1 | Teaching | Techniques in Ecology and Evolution | | | New Course Development | | |
| | 2016-1 | Teaching | Undergraduate Research | BISC 498 | | | 3.00 | 1 |
| | 2015-3 | Teaching | Evolution | BISC 300 | | Lecture | 3.00 | 120 |
| | 2015-3 | Teaching | Undergraduate Research | BISC 498 | | | 3.00 | 1 |
| | 2015-2 | Research | | | | | | |
| | 2015-1 | Teaching | Honours | BISC 490/1/2 | | | 15.00 | 1 |

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|--|-----------------------|-------------|---------------------------------|--------------|--|-------------------|------|-----|
| | 2015-1 | Teaching | Undergraduate Research | BISC 498 | | | 3.00 | 1 |
| | 2014-3 | Teaching | Evolution of Health and Disease | BISC 441/880 | | Lecture | 3.00 | 40 |
| | 2013-3 through 2014-2 | Study Leave | | | | | | |
| | 2013-2 | Research | | | | | | |
| | 2013-1 | Teaching | Evolution | BISC 300 | | Lecture | 3.00 | 110 |
| | 2012-3 | Teaching | Evolution of Health and Disease | BISC 441/880 | | Lecture | 3.00 | 40 |
| | 2012-2 | Research | | | | | | |
| | 2012-1 | Teaching | Evolutionary Theory | BISC 806 | | Lecture | 3.00 | 10 |
| | 2011-3 | Leave | | | | | | |
| | 2011-2 | Research | | | | | | |
| | 2011-1 | Teaching | Evolution of Health and Disease | BISC 441/880 | | Lecture | 3.00 | 40 |
| | 2010-3 | Teaching | Evolution | BISC 300 | | Lecture | 3.00 | 105 |
| | 2010-2 | Research | | | | | | |
| | 2010-1 | Teaching | Undergraduate Research | BISC 498 | | Directed Studies | 3.00 | 1 |
| | 2010-1 | Teaching | Evolutionary Theory | BISC 806 | | Lecture | 3.00 | 6 |
| | 2009-3 | Teaching | Evolution | BISC 300 | | Lecture | 3.00 | 123 |
| | 2009-2 | Research | | | | | | |
| | 2009-2 | Teaching | Undergraduate Research | BISC 499 | | Directed Studies | 3.00 | 1 |
| | 2009-2 | Teaching | Undergraduate Research | BISC 497 | | Writing-Intensive | 3.00 | 1 |
| | 2009-1 | Teaching | Undergraduate Research I | BISC 498 | | Directed Studies | 3.00 | 1 |
| | 2009-1 | Teaching | Evolution of Health and Disease | BISC 441/880 | | Lecture | 3.00 | |
| | 2008-3 | Teaching | Evolution | BISC 300 | | Lecture | 3.00 | 144 |
| | 2008-2 | Research | | | | | | |

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|--|------------------|------------------|--|--------------|--------|------------------|------|-----|
| | 2008-1 | Teaching | Evolution of Health and Disease | BISC 441/880 | | Lecture | 3.00 | 30 |
| | 2005-3 to 2007-3 | Research | Killam Research Fellowship | | | | | |
| | 2005-2 | Teaching | Directed Readings | BISC890 | G01.00 | Directed Studies | 1.50 | 1 |
| | 2005-1 | Teaching | Evolutionary Theory | BISC806 | G01.00 | Seminar | 3.00 | 11 |
| | 2004-3 | Teaching | Intro to Ecology | BISC204 | D01.00 | Lecture | 3.00 | 88 |
| | 2004-3 | Teaching | Undergraduate Research I | BISC498 | D02.00 | Directed Studies | 1.50 | 1 |
| | 2004-3 | Teaching | Undergraduate Research II | BISC499 | D05.00 | Directed Studies | 1.50 | 1 |
| | 2004-3 | Teaching | Undergraduate Research II | BISC499 | D03.00 | Directed Studies | 1.50 | 1 |
| | 2004-2 | Other Paid Leave | | | | | 0.00 | 0 |
| | 2004-1 | Teaching | Selected Topics in Behavioural Ecology | BISC473 | D01.00 | Lecture | 2.80 | 14 |
| | 2004-1 | Teaching | Social Behaviour | BISC817 | G01.00 | Lecture | .20 | 1 |
| | 2003-3 | Study Leave | | | | | 0.00 | 0 |
| | 2003-2 | Study Leave | | | | | 0.00 | 0 |
| | 2003-1 | Study Leave | | | | | 0.00 | 0 |
| | 2002-3 | Other Paid Leave | | | | | 0.00 | 0 |
| | 2002-2 | Teaching | Undergraduate Research I | BISC498 | D12.00 | Seminar | 3.00 | 1 |
| | 2002-1 | Teaching | Evolution | BISC400 | D01.00 | Lecture | 1.50 | 155 |
| | 2001-3 | Teaching | Evolutionary Theory | BISC806 | G01.00 | Seminar | 3.00 | 12 |
| | 2001-2 | Research | | | | | | |
| | 2001-1 | Teaching | Evolution of Social Behavior | BISC471 | D01.00 | Lecture | 2.79 | 13 |
| | 2001-1 | Teaching | Social Behaviour | BISC817 | G01.00 | Seminar | .21 | 1 |
| | 2000-3 | Teaching | Undergraduate Research I | BISC498 | | Directed Studies | 1.50 | 1 |
| | 2000-2 | Teaching | Evolution | BISC400 | | Lecture | 3.00 | 103 |

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|--|--------|----------|---------------------------------|---------|--|------------------|------|-----|
| | 2000-2 | Teaching | Undergraduate Research I | BISC498 | | Directed Studies | 1.50 | 1 |
| | 2000-1 | Teaching | Survival Strategies | BISC824 | | Seminar | 3.00 | 5 |
| | 2000-1 | Teaching | Behavioural Ecology | BISC824 | | Lecture | 3.00 | 5 |
| | 1999-3 | Teaching | Evolutionary Theory | BISC806 | | Seminar | 3.00 | 17 |
| | 1999-2 | Teaching | Evolution | BISC400 | | Lecture | 3.00 | 88 |
| | 1999-1 | Research | | | | | 0.00 | 0 |
| | 1998-3 | Teaching | Introduction to Ecology | BISC204 | | Lecture | 3.00 | 120 |
| | 1998-2 | Teaching | Evolution of Social Behaviour | BISC471 | | Lecture | 3.00 | 16 |
| | 1998-2 | Teaching | Evolution of Social Behaviour | BISC817 | | Seminar | 3.00 | 2 |
| | 1998-1 | Research | Fieldwork in Australia | | | | 0.00 | 0 |
| | 1998-1 | Teaching | Research Design | BISC490 | | Directed Studies | 2.50 | 1 |
| | 1998-1 | Teaching | Research Technique | BISC491 | | Directed Studies | 2.50 | 1 |
| | 1998-1 | Teaching | Research Reporting | BISC492 | | Directed Studies | 2.0 | 1 |
| | 1997-3 | Teaching | Evolution | BISC400 | | Lecture | 3.00 | 105 |
| | 1997-2 | Teaching | Evolution | BISC400 | | Lecture | 3.00 | 79 |
| | 1997-1 | Research | Fieldwork in Australia | | | | 0.00 | 0 |
| | 1997-1 | Teaching | Undergrad. Research | BISC498 | | Directed Studies | 1.50 | 1 |
| | 1996-3 | Teaching | Evolutionary Theory | BISC806 | | Seminar | 3.00 | 10 |
| | 1996-2 | Teaching | Introduction to Ecology | BISC204 | | Lecture | 3.00 | 47 |
| | 1996-1 | Research | Research Fieldwork in Australia | | | | 0.00 | 0 |
| | 1995-3 | Teaching | Evolution | BISC400 | | Lecture | 3.00 | 138 |
| | 1995-3 | Teaching | Undergraduate Research | BISC498 | | Directed Studies | 1.50 | 1 |
| | 1995-3 | Teaching | Social Insects | BISC817 | | Lecture | 3.00 | 10 |
| | 1995-2 | Teaching | Introduction to Ecology | BISC204 | | Lecture | 3.00 | 38 |

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|--|--------|----------|---|---------|--|------------------|------|-----|
| | 1995-2 | Teaching | Marine Behavioural Ecology | MSC502 | | Other | 0.00 | 0 |
| | 1995-1 | Teaching | Research Design | BISC490 | | Directed Studies | 2.50 | 1 |
| | 1995-1 | Teaching | Research Technique | BISC491 | | Directed Studies | 2.50 | 1 |
| | 1995-1 | Teaching | Research Reporting | BISC492 | | Directed Studies | 2.50 | 1 |
| | 1994-3 | Teaching | Evolution | BISC400 | | Lecture | 3.00 | 154 |
| | 1994-3 | Teaching | Evolutionary Theory | BISC806 | | Seminar | 3.00 | 8 |
| | 1994-2 | Teaching | Introduction to Ecology | BISC204 | | Lecture | 3.00 | 46 |
| | 1994-2 | Teaching | Undergraduate Research | BISC498 | | Directed Studies | 1.50 | 1 |
| | 1994-2 | Teaching | Molecular Methods, Bamfield | MSC501 | | Other | 0.00 | 0 |
| | 1994-1 | Research | | | | | 0.00 | 0 |
| | 1993-3 | Teaching | Evolution | BISC400 | | Lecture | 3.00 | 97 |
| | 1993-2 | Research | | | | | 0.00 | 0 |
| | 1993-1 | Teaching | Evolution | BISC400 | | Lecture | 3.00 | 153 |
| | 1992-3 | Teaching | Evolutionary Theory | BISC806 | | Seminar | 3.00 | 7 |
| | 1992-2 | Research | Fieldwork in Australia (startup semester) | | | | 0.00 | 0 |
| | 1992-1 | Research | Fieldwork in Australia (startup semester) | | | | 0.00 | 0 |

Senior Supervisory Duties of a Thesis

| | Name | Degree | Project/Thesis Title | Status | Began | Completed |
|--|-------------------|--------|--|-----------|--------|-----------|
| | Dinsdale, Natalie | PhD | The extreme female brain, psychiatry, and the self | Active | 2017-1 | |
| | Procyshyn, Tanya | MSc | Evolutionary biology of social neuropeptides | Active | 2014-1 | 2017-2 |
| | Leach, Emma | MSc | Evolutionary genetics of schizophrenia | Completed | 2010-1 | 2013-1 |

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|--|--------------------|-------|--|-----------|--------|--------|
| | Dinsdale, Natalie | MSc | Personality genetics of autism and schizophrenia | Completed | 2009-3 | 2012-1 |
| | Elliot, Mick | Ph.D. | Phylogenetics of placentation | Completed | 2008-1 | 2014-2 |
| | Arbuthnott, Devin | M.Sc. | Mating behaviour of <i>Timema</i> | Completed | 2007-1 | 2009-2 |
| | Jeffery, Erica | M.Sc. | Evolution of sexual conflict | Completed | 2005-1 | 2007-3 |
| | Elliot, Mick | M.Sc. | Evolution of placentation | Completed | 2004-1 | 2007-3 |
| | Joy, Jeff | Ph.D. | Phylogeny of gall midges | Completed | 2002-3 | 2009-3 |
| | Parent, Christine | Ph.D. | Phylogeny of Galapagos snails | Completed | 2000-3 | 2008-1 |
| | Nosil, Patrik | M.Sc. | Ecology of speciation | Completed | 2000-3 | 2006-2 |
| | Springer, Stevan | M.Sc. | Molecular speciation | Completed | 1999-3 | 2003-2 |
| | Law, Jennifer | M.Sc. | Evolution of sex | Completed | 1998-3 | 2001-3 |
| | Chapman, Thomas | Ph.D. | Relatedness and sociality | Completed | 1994-1 | 2000-2 |
| | Kranz, Brenda | Ph.D. | Ecology of gall thrips | Completed | 1995-1 | 2000-1 |
| | Harrison, Michelle | M.Sc. | Phylogenetics of <i>Cancer</i> crabs | Completed | 1995-3 | 1997-3 |

Serving on a Committee of a Thesis

| | Name | Degree | Project/Thesis Title | Status | Began | Completed |
|--|-------------------------------------|--------|-------------------------------------|-----------|--------|-----------|
| | Kolte, Astrid (Univ. of Copenhagen) | Ph.D. | Genetics of recurrent miscarriage | Active | 2012-3 | |
| | Watson, Corey | Ph.D. | Immunogenetics | Completed | 2008-1 | 2012-1 |
| | Adrienne Berthold | MSc | Lionfish behavior and endocrinology | Active | 2015-1 | |
| | Kelsey Robinson | ISS | Genetics of handedness | Completed | 2015-1 | 2015-3 |
| | Keever, Carson | Ph.D. | Phylogenetics of starfish | Completed | 2007-1 | 2010-3 |
| | Mull, Chris | Ph.D. | Shark life histories | Active | 2010-3 | |
| | Davis, Bradley | M.Sc. | Behavior of archerfish | Completed | 2006-3 | 2009-1 |
| | Ablard-Hickman, Kelly | Ph.D. | Mating behavior in insects | Completed | 2005-1 | 2011-3 |
| | Gray, Suzanne | Ph.D. | Evolution of fish polymorphism | Completed | 2002-3 | 2006-1 |
| | Perry, Jennifer | M.Sc. | Beetle oviposition | Completed | 2001-3 | 2004-3 |
| | Hoover, Shelley | Ph.D. | Honey bee genetics | Completed | 2000-3 | 2006-1 |
| | Alexander, Heather | Ph.D. | Guppy evolution | Completed | 1999-3 | 2005-2 |

| | Name | Degree | Project/Thesis Title | Status | Began | Completed |
|--|----------------------|--------|---------------------------|-----------|--------|-----------|
| | Ragsdale, J. (Utah) | Ph.D. | Skew theory | Completed | 1998-3 | 2007-1 |
| | Vos, Rutger | M.Sc. | Supertrees | Completed | 2001-1 | 2005-1 |
| | Kuhnholz, Susanne | Ph.D. | Bark beetle phylogenetics | Completed | 1995-3 | 2004-1 |
| | Mitchell, Jeremy | Ph.D. | Reef fish behavior | Completed | 1995-3 | 2002-3 |
| | Sharpe, Fred | Ph.D. | Whale behavior | Completed | 1992-3 | 2002-3 |
| | Willis, Pamela | M.Sc. | Porpoise hybridization | Completed | 1997-3 | 2001-3 |
| | Morbey, Yolanda | Ph.D. | Salmon behavior | Completed | 1996-1 | 2001-3 |
| | Tyerman, Jabus | M.Sc. | Social aphids | Completed | 1997-3 | 2001-2 |
| | Heithaus, Michael | Ph.D. | Intraguild predation | Completed | 1997-1 | 2001-2 |
| | Swanson, Andrew | Ph.D. | Kelp UV adaptation | Completed | 1995-3 | 2000-1 |
| | Taylor, John | Ph.D. | Guppy microsatellites | Completed | 1994-3 | 1999-3 |
| | Vanderkist, Brett | M.Sc. | Murrulet ecology | Completed | 1996-3 | 1999-1 |
| | Robertson, Ian | Ph.D. | Beetle behavior | Completed | 1992-3 | 1997-3 |
| | Pocklington, Richard | M.Sc. | Human evolution | Completed | 1994-1 | 1996-3 |
| | Sharpe, Fred | M.Sc. | Whale behavior | Completed | 1992-3 | 1996-1 |
| | Duffy, Jacqueline | Ph.D. | Risk-taking in humans | Withdrawn | 1991-1 | 1995-3 |
| | McGregor, Robert | Ph.D. | Selection in parasitoids | Completed | 1990-3 | 1995-3 |
| | Jaramillo, Al | Ph.D. | Ant foraging | Withdrawn | 1993-3 | 1995-2 |
| | Abbot, Douglas | M.Sc. | Beetle parasite behavior | Completed | 1991-1 | 1994-2 |
| | Zaklan, Stefanie | M.Sc. | Crab behavior | Completed | 1991-3 | 1994-1 |

Supervision of Research Personnel

| | | |
|--|-----------------------------|---|
| | June 2012-current | Full time, Silven Read, Lab Manager, NSERC |
| | September 2012- May 2013 | Suhani Thakore, Undergraduate researcher, NSERC |
| | January 2014-September 2015 | Rudiger Reisch, Postdoctoral Fellow, European Union grant PDF |
| | September 2012-current | Full time, Mike Morkkonen, PDF, Finnish Academy |
| | September 2011-March 2012 | Part time, Manal Abdur Rahman, Lab Manager, NSERC |
| | May 2011-May 2012 | Part time, Helen Crofts, Undergraduate researcher, NSERC |
| | May 2011-August 2011 | Part time, Lorraine Schembri, Undergraduate assistant, NSERC |

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|--|---------------------------------|--|
| | December 2010-June 2012 | Full time, Daryn Stover, PDF, NSERC |
| | January 2008-Jan 2012 | Full Time, Laura Weir, NSERC PDF and Research Assistant |
| | May 2010-August 2010 | Full Time, Kendra Morgan, NSERC Undergraduate Research Award |
| | May 2009-August 2009 | Full Time, Philip Stead, NSERC Undergraduate Research Award |
| | September 2008-Aug. 2011 | Part Time, Kevin Simonetto, Research Assistant, NSERC |
| | September 2008-April 2009 | Part Time, Lisa Raeburn, Lab Technician, NSERC |
| | June 2007- January 2010 | Full Time, Tanja Schwander, Postdoctoral Fellow, Swiss NSF |
| | September 2004 - January 2006 | Part Time, Sampson Wu, Lab Technician, NSERC |
| | September 2004 - September 2006 | Full Time, Bono, J, Ph.D., Postdoctoral Fellow, NSF |
| | September 2001 - September 2003 | Full Time, Loeb, M, Ph.D., Postdoctoral Fellow, NSF |
| | September 2001 - September 2003 | Full Time, Thompson, G, Ph.D., Postdoctoral Fellow, NSERC |
| | September 2001 - September 2003 | Full Time, Young, K, Ph.D., Postdoctoral Fellow, NSERC |
| | September 2000 - April 2001 | Full Time, VanKoeveringe, M, Lab. Manager, NSERC and B.C. First Jobs program |
| | September 1999 - April 2000 | Full Time, Bertrand, M, Lab. Manager, NSERC and B.C. First Jobs program |
| | January 1994 - January 1996 | Full Time, Brown, W. D. Postdoctoral Fellow, NSERC |
| | January 1993 - January 1995 | Part Time, Carmean, D., Lab. Manager, NSERC |