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.

(2) Killam Research Fellowship in 2005.

(3) Two publications in *Science*, six in *Nature* (two of them single-authored), and five in *PNAS*.

(4) Over 180 refereed publications overall, and five books.

(5) Ten members from my laboratory now in tenured or tenure-track academic positions.

(6) 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*).

(7) 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).

(8) Foundational and central member and contributor in two research groups, Fab-Lab and HESP (Human Evolutionary Studies Program).

(9) 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'.

(10) 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 condtiions, (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.

Employment History at Academic Institutions

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

---

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. amd 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.

-

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

--

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.

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

Crespi, B. J. (2015) Cognitive tradeoffs and the costs of resilience. Behavioral and Brain Sciences 38:e99.

Elliot, M. G. and B. J. Crespi. (2015) Genetic recapitulation of human preeclampsia risk during convergent evolution of reduced placenta invasion in eutherian mammals. Philosophical Transactions of the Royal Society of London B Biol Sci. 370:20140069.

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

--

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

Crespi B. J. (2014) An evolutionary framework for psychological maladaptation. Psychological Inquiry 25:322-324.

Crespi B. J. (2014) The insectan apes. Human Nature 25:6-27.

Crespi B and K Summers (2014) Inclusive fitness theory for the evolution of religion. Animal Behaviour 92:313-323.

Crespi B (2014) Medical, ethical and personal dimensions of parent-offspring conflicts. Evolution, Medicine and Public Health. 2014(1):51-3. doi: 10.1093/emph/eou008.

Crespi B, Foster K, Úbeda F. (2014) First principles of Hamiltonian medicine. Philosophical Transactions of the Royal Society of London B Biol Sci. 369:20130366. doi:10.1098/rstb.2013.0366.

Soria-Carrasco V, Gompert Z, Comeault AA, Farkas TE, Parchman TL, Johnston JS, Buerkle CA, Feder JL, Bast J, Schwander T, Egan SP, Crespi BJ, Nosil P. (2014) Stick insect genomes reveal natural selection's role in parallel speciation. Science 344(6185):738-742. doi: 10.1126/science.1252136

Leach EL, Prefontaine G, Hurd PL, Crespi BJ. (2014) The imprinted gene LRRTM1 mediates schizotypy and handedness in a nonclinical population. Journal of Human Genetics 59(6):332-336.

Ablard. K., K. Simonetto, L. Weir. B. Crespi, P. Schaefer, G. Gries (2014) First-male sperm precedence and the post-copulatory ritual in the parasitoid wasp *Oencyrtus kuvenae*. Canadian Entomologist 146:548-559.

--

Summers, K. and B. Crespi, editors (2013) Human Social Evolution: The Foundational Works of Richard D. Alexander. Oxford University Press.

Konefal S, Elliot M, Crespi B. (2013) The adaptive significance of adult neurogenesis: an integrative approach. Frontiers in Neuroanatomy 7:21. doi: 10.3389/fnana.2013.00021.

Thompson, G., P. Hurd and B. Crespi (2013) Genes underlying altruism. Biology Letters 9:20130395.

Crespi, B. (2013) Developmental heterochrony and the evolution of autistic perception, cognition and behavior. BMC Medicine 11:119.

Dinsdale, N. P. Hurd and B. Crespi (2013) How are autism and positive schizotypy related? Evidence from a non-clinical population. PLoS ONE 8(5): e63316.

Leach, E., P. Hurd and B. Crespi (2013) Schizotypy, cognitive performance, and genetic risk of schizophrenia in a non-clinical population. Personality and Individual Differences 55:334-338.

Crosley, E., M. Elliot, J. Christians and B. Crespi (2013) Placental invasion, preeclampsia risk and adaptive molecular evolution at the origin of great apes: evidence from genome-wide analyses. Placenta, 34:127-132.

Schwander T, Arbuthnott D, Gries R, Gries G, Nosil P, Crespi B. J. (2013) Hydrocarbon divergence and reproductive isolation in *Timema* stick insects. BMC Evolutionary Biology 13:151. doi:10.1186/1471-2148-13-151

Crespi, B. J and P. Nosil (2013) Conflictual speciation: species formation via genomic conflict. Trends in Ecology and Evolution 28:48-57

Crespi. B. J. (2013) Diametric gene dosage effects as windows into neurogenetic architecture. Current Opinion in Neurobiology. 23:143-151.

Stencel, A. and B. Crespi (2013) What is a genome? Molecular Ecology 22:3437-3443.

Schwander, T, B. Crespi, G. Gries and R. Gries (2013) Neutral and selection-driven decay of sexual traits in asexuals. Proceedings of the Royal Society B, published 19 June 2013, 10.1098/rspb.2013.0823.

--

Crespi, B. and H. Crofts (2012) Association testing of copy number variants in schizophrenia and autism. Journal of Neurodevelopmental Disorders 4:15-24.

Crespi, B. and T. Schwander (2012) Asexual evolution: do intragenomic parasites maintain sex? Molecular Ecology 21:3893-3895.

Dinsdale, N. and B. Crespi (2012) The borderline empathy paradox: evidence and conceptual models for empathic enhancements in borderline personality disorder. J. Personality Disorders 27:172-195.

Joy, J. and B. Crespi (2012) Island phytophagy: explaining the remarkable diversity of plant-feeding insects. Proceedings of the Royal Society of London B 279:3250-3255.

Henry, L., Schwander, T. and B. J. Crespi (2012) Deleterious mutation accumulation in asexual *Timema* stick insects. Molecular Biology and Evolution 29:401-408.

Ryan, C and B. Crespi (2012) Androgen receptor polyglutamine repeat number: models of selection and disease susceptibility. Evolutionary Applications 6:180-196.

Antolin M, Jenkins K, Crespi B, Hanley K, Omenn G, Stearns S. (2012) Evolutionary medicine in pre-medical undergraduate education: a prescription for all biology students. Evolution 88:1991-2006.

--

Crespi B, and Thiselton D. (2011) Comparative immunogenetics of autism and schizophrenia. Genes Brain Behavior 10:689-701

Schwander, T., Henry, L., and B. J. Crespi (2011) Molecular evidence for ancient asexuality in *Timema* stick insects. Current Biology 21:1129-1134. (cover article)

Frank, S. A. and Crespi, B. J. (2011) Pathology from evolutionary conflict, with a new theory of X versus autosome conflict over sexually-antagonistic traits. Proceedings of the National Academy of Sciences, 108: 10886-10893.

Crespi, B. (2011) Autism and cancer risk. Autism Research 4:302-310.

Somjee, U., K. Ablard, B. Crespi, P. W. Schaefer and G. Gries (2011) Local mate competition in the solitary parasitoid wasp *Ooencyrtus kuvanae*. Behavioral Ecology and Sociobiology 65:1071-1077.

Crespi, B. J. (2011) The evolutionary biology of child health. Proceedings of the Royal Society of London B. 278: 1441-1449.

Crespi, B. J. (2011) One hundred years of insanity: genomic, psychological and evolutionary models of autism in relation to schizophrenia. In: Textbook of Schizophrenia-Spectrum Disorders, edited by M. Ritsner, Springer.

Springer, S. A., B. J. Crespi and W. J. Swanson (2011) Beyond the phenotypic gambit: molecular behavioral ecology and the evolution of genetic architecture. Molecular Ecology 20:2240-2257.

Abbot P, Abe J, Alcock J, ... Crespi, B ... et al. (2011) Inclusive fitness theory and eusociality. Nature 471:E1-4.

--

Crespi, B. J. (2010) The origins and evolution of genetic disease risk in modern humans. Year in Evolutionary Biology (Annals New York Academy of Sciences) 1206:80-109.

Summers, K. and B. Crespi (2010) Xmrks the spot: life-history tradeoffs, sexual selection, and the evolutionary ecology of carcinogenesis. Molecular Ecology 19:3022-3024.

Crespi, B. J. (2010) Revisiting Bleuler: the relationship of autism with schizophrenia. British Journal of Psychiatry 196:496.

Crespi, B. J. (2010) The emergence of human-evolutionary medical genomics. Evolutionary Applications 4:292-314.

Crespi, B., P. Stead and M. Elliot (2010) Comparative genomics of autism and schizophrenia. Proceedings of the National Academy of Sciences, USA 107:1736-1741.

Arbuthnott, D., M. Elliot, M. McPeek and B. Crespi (2010) Divergent patterns of diversification in courtship and genitalic characters of *Timema* walking-sticks. Journal of Evolutionary Biology 23:1399-1411.

Schwander T., Vuilleumier S., Dubman J., Crespi B. (2010) Positive feedback in the transition from sexual reproduction to parthenogenesis. Proceedings of the Royal Society of London B. 277:1435-1442.

Crespi, B. (2010) The strategies of the genes: genomic conflicts, attachment theory and development of the social brain. Chapter in Art Petronis and Jonathon Mill (Editors). Brain, Behavior and Epigenetics.

Crespi, B. J., K. Summers and S. Dorus (2010) Evolutionary genomics of human intellectual disability. Evolutionary Applications 3:52-63.

--

Crespi, B. (2009) Gender, biology and mathematics performance. Proceedings of the National Academy of Sciences, USA 196:E102.

Parent, C. E. and B. Crespi (2009) Ecological opportunity in adaptive radiation of Galapagos endemic land snails. American Naturalist 174:898-905.

Elliot, M. and B. Crespi (2009) Phylogenetic evidence for early hemochorial placentation in Eutheria. Placenta 30:949-967.

Arbuthnott, D. and B. Crespi (2009) Courtship and mate discrimination within and between species of *Timema* walking-sticks. Animal Behaviour 78:53-59.

Schwander, T. and B. Crespi (2009) Evidence for multiple direct transitions from sexual reproduction to apomictic parthenogenesis in *Timema* stick insects. Evolution 63:84-103.

Schwander, T. and B. Crespi (2009) Twigs on the tree of life? Neutral and selective models for integrating macroevolutionary patterns with microevolutionary processes in the analysis of asexuality. Molecular Ecology 18:24-82.

Crespi, B. J. (2009) Evolutionary genetics of affective disorders. IN: Depression: Translational Approaches to Understanding and Treating, edited by C. Pariante and R. Nesse. Oxford University Press.

Crespi, B. J. (2009) Social conflict resolution, life history theory, and the reconstruction of skew. In: Reproductive Skew in Vertebrates, edited by C. Jones and R. Hager, Cambridge University Press.

Crespi, B. J., K. Summers and S. Dorus (2009) Genomic sister-disorders of neurodevelopment: an evolutionary approach. Evolutionary Applications 2:81-100.

Badcock, C. and B. Crespi (2008) Battle of the sexes may set the brain. Nature 454:1054-1055.

Crespi, B. J. (2008) Turner syndrome and the evolution of human sexual dimorphism. Evolutionary Applications 1:449-461.

Bono, J. and B. Crespi (2008) Cofoundress relatedness and group productivity in colonies of social *Dunatothrips* (Insecta: Thysanoptera) on Australian Acacia. Behavioral Ecology and Sociobiology 62:1489-1498.

Summers, K. and B. Crespi (2008) Molecular evolution of the prostate cancer susceptibility locus RNASEL: Evidence for positive selection. Infection, Genetics and Evolution 8:297-301.

Summers K, Crespi B. (2008) The androgen receptor and prostate cancer: A role for sexual selection and sexual conflict? Medical Hypotheses 70: 435-443.

Crespi, B. J. (2008) Language unbound: genomic conflict and psychosis in the origin of modern humans. In: Social Communication, edited by David Hughes and Patricia D'Ettorre.

Crespi B. J. and C. Badcock (2008) Psychosis and autism as diametrical disorders of the social brain. Behavioral and Brain Sciences 31:284-320.

Crespi, B. J. (2008) Genomic imprinting in the development and evolution of psychosis. Biological Reviews 83:441-493.

Elliot, M. and B. Crespi (2008) Divergent brain-body allometry between mammals with invasive vs non-invasive placentation. Journal of Evolutionary Biology 21:1766-1776.

Sandoval, C. and B. Crespi (2008) Adaptive parallel evolution of dorsal stripes in *Timema* walking-sticks. Biological Journal of the Linnean Society 94:1-5.

Chapman, T.W. and B.J. Crespi (2008) The Evolutionary Ecology of Eusociality in Australian Gall Thrips: a 'Model Clades' Approach. In: Ecology of Social Evolution (editors Judith Korb and Jurgen Heinze). Princeton University Press.

Thompson G. J. , Lenz, M., Crozier, R. H., and Crespi, B. J. (2007) Molecular-genetic analyses of dispersal and breeding behaviour in the Australian termite *Coptotermes lacteus*: evidence for non-random mating in a swarm-dispersal mating system. Australian Journal of Zoology 55: 219-227.

Crespi B.J., K. Summers and S. Dorus (2007) Adaptive evolution of genes underlying schizophrenia. Proceedings of the Royal Society of London B 274:2801-2810.

Crespi B. J. (2007) Sly FOXP2: Genomic conflict in the evolution of language. Trends in Ecology and Evolution 22:174-175.

Crespi B. (2007) Comparative Evolutionary Ecology of Social and Sexual systems: Water-breathing Insects Come of Age. Pages 442-460, IN: E. Duffy and M. Thiel (Editors). Evolutionary Ecology of Crustacea, Oxford University Press.

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.

Bono J and B. J. Crespi (2006) Costs and benefits of joint colony founding in Australian *Acacia* thrips. Insectes Sociaux 53:489-495.

McLeish M. J., Chapman, T. W., Crespi, B J. (2006) Inbreeding ancestors: the role of sibmating in the social evolution of gall thrips. Journal of Heredity 97:31-38.

Nosil P, Crespi B. J. (2006) Ecological divergence promotes the evolution of cryptic reproductive isolation Proceedings of the Royal Society of London B 273:991-997.

Nosil P., Crespi B. J. Sandoval C. P., Kirkpatrick M. (2006) Migration and the genetic covariance between habitat preference and performance. American Naturalist 167:E66-78

Nosil P, Sandoval C. P., Crespi B. J. (2006) The evolution of host preference in allopatric vs. parapatric populations of *Timema cristinae* walking-sticks. Journal of Evolutionary Biology 19:929-942.

Nosil P, Crespi B. J. (2006) Experimental evidence that predation promotes divergence in adaptive radiation. Proceedings of the National Academy of Sciences U S A. 103:9090-9095.

Crespi B. J. (2006) The natural selection of psychosis. Behavioral and Brain Sciences 29:410-411

Elliot M. G., Crespi B. J. (2006) Placental invasiveness mediates the evolution of in viability in mammals. American Naturalist 168:114-120.

Crespi B. J. (2006) Cooperation: close friends and common enemies. Current Biology 16:414-415.

Badcock C, Crespi B. J. (2006) Imbalanced genomic imprinting in brain development: an evolutionary for the aetiology of autism. Journal of Evolutionary Biology 19:1007-1032.

Crespi B. J., Summers K. (2006) Positive selection in the evolution of cancer. Biological Reviews 81:407-424.

Crespi, B. J. (2005) Parent-offspring conflict in farmers and foragers: a comparative approach. Current Anthropology 46:40-41

Summers K., B. Crespi (2005) Cadherins in maternal-foetal interactions: red queen with a green beard? Proceedings Royal Society of London B 272:643-649.

Crespi, B. J. and Summers, K. (2005) Evolutionary biology of cancer. Trends in Ecology and Evolution 20: 545-552.

--

Willis P. M, Crespi B. J., Dill L. M., Baird R. W, Hanson M. B (2004) Hybridization between Dall's porpoises (*Phocoenoides dall*i) and harbour porpoises (*Phocoena phocoena*). Canadian Journal of Zoology 82: 828-834

Nosil, P. and B. J. Crespi. (2004) Does gene flow constrain adaptive divergence or vice versa? A test using ecomorphology in *Timema cristinae* walking-sticks. Evolution 58:102-112

Hallet, R.H., B. J. Crespi, & J.H. Borden (2004) Synonymy of *Rhyncophorus ferrugineus* (Olivier) and *R. vulneratus* (Panzer) (Coleoptera, Curculionidae, Rhynchophorinae). Journal of Natural History 38: 2863-2882

Crespi, B. J. and C. Semeniuk (2004) Parent-offspring conflict in the evolution of vertebrate reproductive mode. American Naturalist 163:635-653.

Crespi B. J. (2004) Vicious circles: positive feedback in major evolutionary and ecological transitions. Trends in Ecology and Evolution 19:627-633.

Crespi B. J. & M J. Fulton (2004) Molecular systematics of Salmonidae: combined nuclear data yields a robust phylogeny. Molecular Phylogenetics and Evolution 31:658-679.

Perry S. P., T. W. Chapman, M. P. Schwarz and B. J. Crespi (2004) Deadly sons and daughters: willingness and effectiveness in defense by soldiers of Australian gall-inducing thrips and the advantages of morphological castes. Behavioral Ecology and Sociobiology 56:602-610

Miller D. & B. J. Crespi. (2003) The evolution of inquilinism, host-plant use and mitochondrial substitution rates in *Tamalia* gall aphids. Journal of Evoutionary Biology 16: 731-743

Nosil P., B. J. Crespi, & C.P. Sandoval. (2003) Reproductive isolation driven by the combined effects of ecological adaptation and reinforcement. Proceedings of the Royal Society of London B 270: 1911-1918

Crespi B. J. and S. Springer. (2003) Social slime molds meet their match. Science 299:56-57.

Nosil P., Crespi, B. J. and C. P. Sandoval (2002) Host-plant adaptation drives the parallel evolution of reproductive isolation. Nature 417:440-443.

Morris D. C., Schwarz, M. P. and Crespi, B. J. (2002) Pleometrosis in phyllode-gluing thrips on Australian Acacia. Biological Journal of the Linnean Society. 75:467-474.

Crespi B. J. and R. Teo (2002) Comparative phylogenetic analysis of the evolution of semelparity and life history in salmonid fishes. Evolution 56:1008-1020.

Chapman T. W., B. D. Kranz, K. Bejah, D. Morris, M. P. Schwarz, and B. J. Crespi (2002) The evolution of soldier reproduction in social thrips. Behavioral Ecology 13:519-525.

Law J. and B. J. Crespi (2002) Recent and ancient parthenogenesis in *Timema* walking-sticks. Evolution 56:1711-1717.

Law J. and B. J. Crespi (2002) The evolution of geographic parthenogenesis in *Timema* walking-sticks. Molecular Ecology 11: 1471-1489.

Kranz B. D., Schwarz, M. P., Morris, D. C. and Crespi, B. J. (2002) Life history of *Kladothrips ellobus* and *Oncothrips rodwayi*: insight into the origin and loss of soldiers in gall-inducing thrips. Ecological Entomology 27:49-57.

Crespi B. J. (2001) Evolution of social behavior. In International Encyclopedia of Social & Behavioral Sciences, Elsevier.

Crespi B. J. (2001) Eusocial Insects. In: Encyclopedia of Evolution. Oxford University Press.

Crespi B. J. (2001) The evolution of social behavior in microorganisms. Trends in Ecology and Evolution 16:178-183.

Kranz B.D., Chapman, T.W., Crespi, B.J. and Schwarz, M.P. (2001). Social biology and sex ratios in the gall-inducing thrips, *Oncothrips waterhousei* and *Oncothrips habrus*. Insectes Sociaux 48: 315-323.

Morris D. C., Schwarz, M.P., Crespi, B.J. and Cooper, S.J.B. (2001). Phylogenetics of gall-inducing thrips on Australian *Acacia*. Biological Journal of the Linnean Society 74:73-86.

Crespi B. J. (2001) Altruism in the outback. Natural History 110:56-62.

Kranz B. D., T. E. Wills, T. W. Chapman, D. C. Morris, B. J. Crespi and M. P. Schwarz (2001) A fully reproductive fighting morph in a soldier clade of gall-inducing thrips. Behavioral Ecology and Sociobiology 50:151-161.

Crespi B. J. and J. E. Ragsdale (2000). The evolution of sociality via manipulation: why it is better to be feared than loved. Proceedings Royal Society of London. B. 267:821-828.

Crespi B. J. (2000) The evolution of maladaptation. Heredity 84:623-629.

Kranz B. J., M. P. Schwarz, L. Giles and B. J. Crespi (2000) Split sex ratios and virginity in a gall-inducing thrips. Journal of Evolutionary Biology 13:700-706.

Chapman T., B. J. Crespi, M. Schwarz and B. Kranz (2000) High relatedness and inbreeding at the origin of eusociality in Australian gall thrips. Proceedings of the National Academy of Sciences, USA 97:1648-1650.

Crespi B. J. and C. P. Sandoval. (2000) Phylogenetic evidence for the evolution of ecological specialization in *Timema* walking-sticks. Journal of Evolutionary Biology 13: 249-262.

Crespi B. J. (2000) Selection: Levels and Units. In Encyclopedia of the Life Sciences, MacMillan Publishers, London. http://www.els.net.

Kranz B., M. Schwarz, L. Mound and B. J. Crespi. (1999) Social biology and sex ratio in the eusocial gall-inducing thrips *Kladothrips hamiltoni*. Ecological Entomology 24:432-442.

Harrison M. and B. J. Crespi. (1999) Phylogenetics of *Cancer* crabs. Molecular Phylogenetics and Evolution 12:186-199.

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.

Morris D. L. A. Mound, M. P. Schwarz and B. J. Crespi. (1999) Morphological phylogenetics of Australian gall-inducing thrips and their allies: the evolution of host-plant affiliations, domicile use, and social behaviour. Systematic Entomology 24:289-299.

Crespi B. J. and M. Worobey. (1998) Comparative analysis of gall morphology in Australian gall thrips: the evolution of extended phenotypes. Evolution 52:1686-1696.

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.

Mound L. A., B. J. Crespi and A. J. Tucker. (1998) Polymorphism and kleptoparasitism in thrips (Insecta, Thysanoptera, Phlaeothripidae) from woody stem galls on *Casuarina* trees, with a new species from Western Australia. Australian Journal of Entomology 37:8-16.

Chapman T. C. and B. J. Crespi. (1998) High relatedness and inbreeding in eusocial Australian gall thrips revealed by microsatellite analysis. Behavioral Ecology and Sociobiology 43:301-306.

Crespi B. J., D. Carmean, L. A. Mound. M. Worobey and D. Morris. (1997) Phylogenetics of social evolution in Australian gall-forming thrips: evidence from mitochondrial DNA sequence, adult morphology, and gall morphology. Molecular Phylogenetics and Evolution 9:163-180.

Crespi B. J. and B. Vanderkist. (1997) Fluctuating asymmetry in functional and vestigial traits in a haplodiploid insect. Heredity 79:624-630.

Crespi B. J., D. Carmean, and T. Chapman (1997) The ecology and evolution of galling thrips and their allies. Annual Review of Entomology 42:51-71.

Crespi B. J. and J. C. Choe (1997) Evolution and explanation of social systems. Pp. 499-524 in: The Evolution of Social Behavior in Insects and Arachnids. Edited by J. Choe and B. Crespi. Cambridge University Press.

Smith D. R., B. J. Crespi, and F. L. Bookstein (1997) Asymmetry and morphological abnormality in bees *Apis mellifera*: effects of ploidy and hybridization. Journal of Evolutionary Biology 10: 551-574.

Brown W. D., B. J. Crespi and J. C. Choe (1997) Sexual conflict and the evolution of mating systems. Pp. 352-377, IN: The Evolution of Mating Systems in Insects and Arachnids. Edited by J. Choe and B. Crespi. Cambridge Unversity Press.

Crespi B. J. and L. A. Mound (1997) Ecology and evolution of social behavior among Australian gall thrips and their allies. Pp. 166-180 in: The Evolution of Social Behavior in Insects and Arachnids. Edited by J. Choe and B. Crespi. Cambridge University.

Mound L. A., B. J. Crespi, and B. Kranz (1997) Gall-inducing Thysanoptera (Phlaeothripidae) on Acacia phyllodes in Australia: host-plant relations and keys to genera and species. Invertebrate Taxonomy 10:1171-1198.

Crespi B.J. (1996). Comparative analysis of the origins and losses of eusociality: causal mosaics and historical uniqueness. Pages 253-287 in: Phylogenies and the Comparative Method in Animal Behavior (E. Martins, ed.) Oxford University Press.

Crespi B.J., D. Carmean, L. Vawter and C. Dohlen (1996) The molecular systematics of Thysanoptera. Sytematic Entomology 21:79-87.

Crespi, B.J. (1995). Three conditions for the evolution of eusociality: are they sufficient? Insectes Sociaux 41: 395-400.

Carmean, D. and B.J. Crespi. (1995) Do long branches attract flies? Nature 373: 666.

Crespi, B.J. and D. Yanega. (1995) The definition of eusociality. Behavioral Ecology 6: 109-115.

Mound, L.A. and B.J. Crespi. (1995) Biosystematics of two new gall-inducing thrips with soldiers (Insecta: Thysanoptera) from Acacia trees in Australia. Journal of Natural History 29: 147-157.

Taylor, P.D. and B.J. Crespi. (1994) ESS sex ratios when correlates of relatedness can be assessed. American Naturalist 143: 297-316.

Simon, C., F. Frati, P. Flook, A. Beckenbach, B.J. Crespi and H. Liu (1994) Evolution, weighting and phylogenetic utility of mitochondrial gene sequences and a compilation of conserved polymerase chain reaction primers. Annals of the Entomological Society of America 87: 651-701.

Crespi B. J. (1993) Sex ratio selection in Thysanoptera. Pages 214-234, In: D.L. Wrensch and M. Ebbert (eds.). Evolution and Diversity of Sex Ratio in Insects and Mites. Chapman and Hall.

Crespi B. J. (1992) Eusociality in Australian gall thrips. Nature 359: 724-726.

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.

Crespi B. J. (1992) The behavioral ecology of Australian gall thrips. Journal of Natural History 26: 769-809.

Crespi B.J. (1992) Cannibalism and trophic eggs in subsocial and eusocial insects. In: M. Elgar and B.J. Crespi (eds.). Cannibalism: Ecology and Evolution among Diverse Taxa. Oxford University Press, Oxford U.K.

Mound L.A. and B.J. Crespi. (1992). The complex of phlaeothipine thrips (Insecta: Thysanoptera) in woody stem galls on Casuarina in Australia. Journal of Natural History 26: 395-406.

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. Booksein. (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 karny*i. 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: Thysanoptra). 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 Memorium 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	Sociaty 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

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

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

2017	Canada Research Chair, Tier 1, 2017-2024 ($1.4 million)
2016	Sterling Prize in Support of Controversity, 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 Governer 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, Juisseau 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, Laurence, Kansas

1989 Theosodius 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	Enroll-ment
	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

	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						

	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

	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

	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

	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 Timema	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 *Cancer* 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 Mokkonen, 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

	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