

TRISTAN A.F. LONG

Department of Ecology, Evolution & Marine Biology,
University of California, Santa Barbara,
Santa Barbara, California,
USA, 93106-9610
Citizenship: Canadian

Email: long@lifesci.ucsb.edu
<http://www.lifesci.ucsb.edu/~long>
Phone: (805) 893-5827
Fax: (805) 893-4724
Languages: English & French

CURRENT POSITION

July 2005 – Present

Post-Doctoral Scholar

*Department of Ecology, Evolution & Marine Biology,
University of California, Santa Barbara
Santa Barbara, CA, USA*

- Beginning in September of 2007, my research on "*Experimental evolution of mathematical reasoning in an insect model system.*" will be supported through an NSERC post-doctoral fellowship (*International tenure*).
- Research also supported through a Harvey L. Karp Post-Doctoral Research Discovery Award.
- Supervisor: Dr. W.R. Rice, Department of Ecology, Evolution & Marine Biology

EDUCATION

September 2001 – June 2005

Doctor of Philosophy (Biology) Candidate

*Department of Biology,
Queen's University,
Kingston, ON, Canada*

- Thesis title: "Adaptive responses to reproductive competition and conflicts in animals". This thesis was defended on June 24, 2005.
- Supervisors: Dr. R. Montgomerie & Dr. A. Chippindale, Dept. of Biology

September 1999 – August 2001

Master of Science (Zoology) Candidate

*Department of Zoology,
The University of Guelph,
Guelph, ON, Canada*

- Thesis title: "Of mice, mothers, and mirror-images: testing relationships between asymmetry and fecundity". Thesis defended on August 25, 2001.
- Supervisor: Dr. J.M. Fryxell, Dept. of Zoology

September 1995 – June 1999

Bachelor of Science Honours (Ecology & Evolution) Program
Department of Zoology,
University of Western Ontario,
London, ON, Canada

- Thesis title: “Twigs or grabs? A comparison of twig bundle artificial substrate and Ekman grab methods of benthic macroinvertebrate collection.”
- Honours Supervisor: Dr. R. Bailey, Dept. of Zoology; Co-Supervisor: Dr. J. R. Morris, Department of Biology, Laurentian University, Sudbury, ON

PREVIOUS WORK EXPERIENCE

January 2002 – May 2002

Teaching Assistant in Animal Behaviour (Biology 321),
Course Supervisor: Dr. R. Montgomerie, Queen’s University

September 2001 – December 2001

Teaching Assistant, Data Management & Analysis (Biology 243),
Course Supervisor: Dr. R. Montgomerie, Queen’s University

January 2001 – May 2001

Teaching Assistant, Wildlife Conservation & Management (Biology 4150),
Course Supervisor: Dr. J.M. Fryxell, *The University of Guelph*

January 2000 – May 2000

Teaching Assistant in Mammalogy (Biology 4280),
Course Supervisor: Dr. R.J. Brooks, *The University of Guelph*

September 1999 – December 1999

Teaching Assistant in Population Ecology (Biology 3110),
Course Supervisor: Dr. J.M. Fryxell, *The University of Guelph*

May 1999 – September 1999

Field Biologist

- Managed predator-prey mammal monitoring project located in vicinity of the Wildlife Research Station, Algonquin Provincial Park. This job involved live-trapping pine marten (*Martes americana*) and other small mammal species and collecting data on climate and food availability.

Supervisor: Dr. J.M. Fryxell, *The University of Guelph*

AWARDS, GRANTS & SCHOLARSHIPS

NSERC Post-Doctoral Fellowship (<i>International tenure</i>) (University of California, Santa Barbara)	2007 – 2009
UC Santa Barbara URCA Grant	2007 – 2008
Harvey L. Karp Post-Doctoral Research Discovery Award (University of California, Santa Barbara)	2006 – 2007
Department of Biology, Queen's University, PhD Thesis Prize for 2005	2006
Genetics Society of Canada's Margaret Thompson PhD Thesis Award for best thesis in Genetics for 2005	2006
Dean's Award (Queen's University)	2004 – 2005
Queen's University Graduate Award	2001 & 2004
Queen's University Graduate Travel Grant	2001, 2002, 2003 & 2004
NSERC Post-Graduate Scholarship – B (PhD), (Queen's University)	2002 – 2004
NSERC Post-Graduate Scholarship – A (MSc) (University of Guelph)	2000 – 2001
Guelph Zoology Graduate Travel Grant	2001
A.D. Latornell Travel Grant (University of Guelph)	2001
Ontario Graduate Scholarship in Science & Technology (U of Guelph)	1999 – 2000
Graduated with Gold Medal in Ecology & Evolution (UWO)	1999
Dean of Science Honour Roll (UWO)	1996, 1997, 1998 & 1999
University of Western Ontario Entrance Scholarship	1996

PUBLICATIONS

Long, T.A.F. & W.R. Rice (2007) Adult locomotory activity mediates intra-locus sexual conflict in a lab-adapted population of *Drosophila melanogaster*. *Proceedings of the Royal Society of London B* 274: 3105-3112.

Long, T.A.F., R. Montgomerie & A. Chippindale (2006) Quantifying the gender load: can population crosses reveal interlocus sexual conflict? *Philosophical Transactions of the Royal Society of London, Series B* 361: 363-374.

Long, T.A.F. & R. Montgomerie (2005) Ejaculate investment in a promiscuous rodent: effects of population density and social role in *Peromyscus maniculatus*. *Evolutionary Ecology Research* 8: 345-356

Long T.A.F. & A. Pischedda (2005) Do female *Drosophila melanogaster* adaptively bias offspring sex ratios in relation to the age of their mate? *Proceedings of the Royal Society of London B* 272 (1574): 1781-1787.

Long, T.A.F (2005) The influence of mating system on the intensity of parent-offspring conflict in Primates. *Journal of Evolutionary Biology* 18 (3): 509-515.

Lewis, C. & T.A.F. Long (2005) Courtship and reproduction in *Carybdea sivickisi* (Cnidaria: Cubozoa). *Marine Biology*. 147 (2): 477-483.

Long T.A.F. (2003) Seminal Advances in Sexual Selection: Conference Report on Biology of Spermatozoa Biennial Meeting; published on biomednet.com

PRESENTATIONS

My research has been presented at the following conferences & seminars:

- Canadian Society of Ecology & Evolution Meeting 2008
- “Ecolunch seminar”, National Center for Ecological Analysis and Synthesis, Santa Barbara 2008
- Animal Behavior & Evolution Group Seminar, Univ. of Melbourne 2007
- Western Evolutionary Biology Meeting of the Network for Experimental Research in Evolution 2007
- Annual Meeting of the Genetics Society of Canada (I gave the Margaret Thompson PhD Thesis Award Lecture) 2006
- Ecology, Behavior & Evolution Section Seminar, UC San Diego 2006
- Scientific Discussion Meeting of the Royal Society of London 2005
- Ecology Evolution & Behavior Section Seminar, Queen’s University 2004
- Annual Meeting of the Society for the Study of Evolution 2004
- Biology of Spermatozoa Biennial Meeting 2003
- California Population & Evolutionary Genetics Meeting 2003
- Behavioural Ecology & Evolution Research Seminar, Queen’s University 2002, 2003, 2004, & 2005
- Annual Meeting of International Society of Behavioral Ecologists 2002
- Ontario Ecology & Ethology Colloquium 2001, 2002 & 2004
- Annual Meeting of the Ecological Society of America 2001
- Annual Meeting of the Canadian Society of Zoologists 2001

RELEVANT ACTIVITIES

- Volunteer for UCSB Scienceline’s “Ask a Scientist” program 2008
- Mentor for two high school students as part of the Research Mentorship Program (UCSB Summer Session) 2007
- Coordinator of the Queen’s Chapter of “Let’s Talk Science Partnership Program” (a Science literacy / outreach program) 2004 – 2005
Recruited, organized and supported 35+ graduate student volunteers who help promote Science literacy in elementary and secondary schools through in-class presentations, science fair judging and lab tours.
- Organizer, Brockington Visitorship Lecture, Queen’s University 2004
Competed for, and received funding from Queen’s University to bring Dr. Tim Birkhead (University of Sheffield) to the campus to interact with faculty and students and present his research on sperm competition to the greater university community.
- Graduate Student Representative on Department of Biology’s Promotions, Renewal & Tenure Committee 2003 – 2004
Represented the graduate student community’s interests for three reappointments and one promotion of faculty members.

- Graduate Student Representative on Department of Biology's Academic Hiring Committee 2003 – 2004
Represented the graduate student community's interests during hiring process of three faculty members.
- Attended TA Workshop series run by Instructional Development Centre (Queen's University) to improve skills as an educator 2002
- Programming chair of organizing committee, Ontario Ecology & Ethology Colloquium, Queen's University 2002
Collected and organized submitted abstracts and scheduled talk and poster sessions and produced the conference's programme.
- Member of organizing committee, Ontario Ecology & Ethology Colloquium, The University of Guelph 2001
- I have served as manuscript referee for the journals: Evolution, Journal of Evolutionary Biology, Animal Behaviour & the Canadian Journal of Forestry