

LOCKE ROWE

Brief CV

Department of Ecology and Evolutionary Biology
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ACADEMIC POSITIONS

Current	Distinguished Professor, Department of Ecology & Evolutionary Biology Research Associate, Royal Ontario Museum
2018 – 2019	Visiting Professor, Department of Zoology, University of British Columbia
2017 – 2018	Visiting Professor, Faculty of Forestry, University of British Columbia
2014 – 2017	Dean, School of Graduate Studies, and Vice Provost, Graduate Research and Education, University of Toronto
2008 – 2013	Chair, Department of Ecology & Evolutionary Biology
2008 – 2013	Tricampus Graduate Chair, Department of Ecology & Evolutionary Biology
2005 – 2006	Coordinator for assembling and visioning a new department of EEB
2000 – 2003	Associate Professor, Department of Zoology, University of Toronto
1994 – 2000	Assistant Professor, Department of Zoology, University of Toronto
1993 – 1994	NSERC Postdoctoral Fellow, UC Davis and University of Kentucky

EXTERNAL HONORS, AWARDS AND FELLOWSHIPS

Honorary Doctorate, *honoris causa*, Uppsala University (2019)
Fellow, Swedish Collegium for Advanced Studies (2018)
Foreign Fellow, Academy for the Natural Sciences Medicine and Technology, Lund (Elected 2018)
Vice-President, American Society of Naturalists (Elected 2016-17)
Senior Fellow, Massey College (Elected 2014)
NSERC Accelerator Award (2013)
Fellow, American Association for the Advancement of Science (Elected 2012)
NSERC Accelerator Award (2008)
E.W.R. Steacie Memorial Fellowship (2006 – 2008)
Tier 1 Canada Research Chair in Evolutionary Ecology (2004 – 2016)
Ontario Distinguished Researcher Award (2004)
Premier's Research Excellence Award (1999 – 2004)
S.T.I.N.T. Scholar, Umeå University, Sweden (2000-2001)
Young Investigator Award, American Society of Naturalists (1993)
NSERC Post-doctoral Fellowship (1992 – 1994)

INTERNAL HONORS AND AWARDS

Distinguished Professor of Evolutionary Biology, University of Toronto (2016 – present)
Faculty of Arts and Science Outstanding Teaching Award (2006)

RECENT RESEARCH FUNDING

2019-2022	Australian Research Council: AUD 153,000/year (Partner Investigator)
2013-17 and 2019	NSERC Research Grant: \$95,000/year
2013 – 2016	NSERC Accelerator Award: \$40,000/year
2008 – 2012	NSERC Research Grant: \$55,000/year
2008 – 2011	NSERC Accelerator Award: \$40,000/year
2006 – 2008	NSERC Steacie Supplement: \$250,000

SOME RECENT POSITIONS OF TRUST AND ACADEMIC SERVICE

Societies

2016 – 2017	Vice-President, American Society of Naturalists
2012 – 2015	Council Member, Canadian Society of Ecology and Evolution

Editorships and Boards

2000 – present	Editorial Board, American Naturalist
2010 – 2014	Editorial Board, Quarterly Review of Biology
2007 – 2012	Editorial Board, Proceedings of the Royal Society B.
2004 – 2008	Associate Editor, Evolution

Directorships/Boards

2014 – 2017	Board, Massey College
2010 – present	Board of Directors, Charles Darwin Foundation of Canada
2011 – 2014	Management Board, Canadian Institute for Ecology and Evolution

PUBLICATIONS

Book

Arnqvist, G. and L. Rowe. 2005. Sexual conflict. Princeton University Press.

Twenty Representative Papers

Rowe, L., Chenoweth, S.F., and A.F. Agrawal. 2018. The genomics of sexual conflict. *American Naturalist*. 192: 274-286.

Perry, J.C., Garroway, C.J., and L. Rowe. 2017. The role of ecology, neutral processes and antagonistic coevolution in an apparent sexual arms race. *Ecology Letters* 20: 1107-1117.

De Lisle, S.P. and L. Rowe. 2015. Independent evolution of the sexes promotes amphibian diversification. *Proceedings of the Royal Society B: Biological Sciences* 282: 20142213.

Rollinson, N. and L. Rowe. 2015. Persistent directional selection on body size and a resolution to the paradox of stasis. *Evolution* 69: 2441-51.

- Khila, A., Abouheif, E. and L. Rowe. 2014. Comparative functional analyses of Ultrabithorax reveal multiple steps and paths to diversification of legs in the adaptive radiation of semi-aquatic insects. *Evolution*. 68:2159-2170.
- Khila, A., E. Abouheif and L. Rowe. 2012. Function, developmental genetics, and fitness consequences of a sexually antagonistic trait. *Science* 336: 585-589.
- Long, T.A.F., A. Agrawal and L. Rowe. 2012 The effect of sexual selection on offspring fitness depends on the nature of genetic variation. *Current Biology*. 22:204-208.
- Dmitriew, C., Blows, M.W. and L. Rowe 2010. Ontogenetic change in genetic variance in size depends on growth environment. *American Naturalist* 175: 640-649.
- Wyman, MJ. Agrawal, A.F. and L. Rowe 2010. Condition-dependence of the sexually dimorphic transcriptome in *Drosophila melanogaster*. *Evolution* 64: 1836-1848.
- Punzalan, D, FH Rodd and L. Rowe. 2010. Temporally variable multivariate sexual selection on sexually dimorphic traits in a wild insect population. *American Naturalist* 175: 401-414.
- Rowe, L., E. Cameron. and T. Day. 2005. Escalation and retreat during sexually antagonistic coevolution. *American Naturalist*. 165(S5): 5-18.
- Bonduriansky, R. and L. Rowe. 2005. Sexual selection, genetic architecture, and the condition dependence of body size and shape in the sexually dimorphic fly *Prochyliza xanthostoma* (Piophilidae). *Evolution* 59: 138-151.
- Day, T. and L. Rowe. 2002. Developmental thresholds and the evolution of reaction norms for age and size at life history transitions. *American Naturalist* 159: 338-350.
- Arnqvist, G. and L. Rowe. 2002. Antagonistic coevolution between the sexes in a group of insects. *Nature* 415: 787-789.
- Johansson, F. and L. Rowe. 1999. Life history and behavioral responses to time constraints in a damselfly. *Ecology* 80:1242-1252.
- Rowe, L. and Houle. D. 1996. The lek paradox and the capture of genetic variance by condition dependent traits. *Proceedings of the Royal Society (Lond)* B 263:1415-1421.
- Abrams, P.A. and L. Rowe. 1996. The effects of predation on the age and size at maturity of prey. *Evolution* 50: 1052-1061.
- Rowe, L. and Ludwig, D. 1991. Size and timing of metamorphosis in complex life cycles: time constraints and variation. *Ecology* 72: 413-427.
- Rowe, L., Arnqvist, G., Krupa, J. and Sih, A. 1994. Sexual conflict and the evolutionary ecology of mating patterns: water striders as a model system. *Trends in Ecology and Evolution* 9:289-293.
- Rowe, L., Ludwig, D. and Schluter, D. 1994. Time, condition and the seasonal decline of avian clutch size. *American Naturalist* 143: 698-722.