

KIERAN SAMUK

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CURRENT POSITION

	2017	Duke University
Postdoc		Mentor: Dr. Mohamed Noor Project: <i>Adaptive evolution of recombination rate in Drosophila pseudoobscura</i>

EDUCATION

	2016	University of British Columbia
PhD		Advisor: Dr. Dolph Schluter Thesis: <i>The genomics of adaptation and speciation in threespine stickleback</i>
	2011	University of British Columbia
MSc		Advisor: Dr. Leticia Avilés Thesis: <i>Sociality in cobweb spiders: evolutionary consequences and the role of pre-existing traits</i>
	2008	University of Toronto
HBSc		Honors Advisor: Dr. James Thomson Thesis: <i>The ontogeny of social networks and division of labour in bumble bee colonies.</i>

PUBLICATIONS

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| 2017 | Samuk, K. , Owens, G. L., Delmore, K. E., Miller, S., Rennison, D. J. and Schluter, D. 2017. Gene flow and selection interact to promote adaptive divergence in regions of low recombination. <i>Molecular Ecology</i> , 26: 4378–4390. <ul style="list-style-type: none">• Featured as a "From the Cover" article & highlighted by an accompanying Perspective by D. Marques (2017) |
| 2016 | Samuk, K. 2016. Perspective: Inversions and the origin of behavioral differences in cod. <i>Molecular Ecology</i> , 25(10):2111–2113. |
| 2016 | Miller, S.E., Samuk, K. , and Rennison, D.J., 2016. An experimental test of the effect of predation upon behaviour and trait correlations in the threespine stickleback. <i>Biological Journal of the Linnean Society</i> , 119(1): 117–125. |
| 2014 | Samuk, K. , Iritani, D. and Schluter, D. 2014. Reversed brain size sexual dimorphism accompanies loss of parental care in white sticklebacks. <i>Ecology and Evolution</i> , 4(16): 3236–3243. |
| 2013 | Samuk, K. and Avilés, L. 2013. Indiscriminate care of offspring predates the evolution of |

sociality in alloparenting social spiders. *Behavioral Ecology and Sociobiology*, 67(8): 1275–1284.

- 2011 **Samuk, K.**, LeDue, E.E., and Avilés, L. 2011. Sister clade comparisons reveal reduced maternal care behavior in social cobweb spiders (*Anelosimus* spp.). *Behavioral Ecology*, 23(1): 35–43.

IN REVIEW

- est. 2017 **Samuk, K.**, Xue, J., Rennison, D. J. est. 2017. Predation causes the evolution of smaller brains in experimental population of threespine stickleback. In review, *Evolution*.

SCHOLARSHIPS & AWARDS

- 2017 Duke Core Facility Research Award – \$6500
- 2016 SSE Hamilton Symposium Travel Award – \$500
- 2015 Society for Integrative and Comparative Biology Research Award – \$1000
- 2014 University of British Columbia Four Year Fellowship – \$20 000
- 2011 NSERC Canada Graduate Scholarship (3 years) – \$105 000
- 2010 Royal Society Publishing prize for Best Poster at IUSI – \$500
- 2009 NSERC Alexander Graham Bell Canada Graduate Scholarship (2 years) – \$42 000
- 2008 NSERC Undergraduate Research Award – \$9 000
- 2008 Dr. James A. and Connie P. Dixon Award – \$500

PRESENTATIONS & CONTRIBUTIONS

- 2017 Incipient speciation without trophic specialization in the white stickleback
Talk · *Evolution*
- 2017 Natural selection and diversification in the threespine stickleback
Talk · *Duke PopBio Seminar Series*
- 2016 Clustering of adaptive alleles is favored by gene flow in a globally distributed species
Talk · *Evolution*
- 2015 Selection with gene flow favours reduced recombination in adaptive genomic regions in global stickleback populations
Talk · *Evolution*
- 2013 Genomic signatures of reproductive isolation in the white stickleback.
Poster · *European Society for Evolution Biology*
- 2010 The origin and consequences of cooperative breeding in social cobweb spiders.
Talk · *EcoEvo Retreat*
- 2010 The origin of alloparental care in social cobweb spiders.
Poster · *International Union for the Study of Social Insects*

- 2009 The Evolution of Alloparental Care in Social Comb-Footed Spiders.
Talk · *EcoEvo Retreat*
- 2008 Bumble Bee Social Networks Correlate with Division of Labour.
Poster · *Canadian Society for Evolution and Ecology*
- 2008 Horizontal Transmission of a Parasitic Mite in Bumble Bee Colonies.
Poster · *University of Toronto USRA Research Fair*

PROFESSIONAL SERVICE & OUTREACH

- Reviewer for: *Molecular Ecology*, *Molecular Biology and Evolution*, *Ecology and Evolution*, *Proceedings of the Royal Society B*.
- 2016 Invited speaker at Elder U (senior-citizen science outreach) at Capilano University
- 2016 Volunteer Instructor & Guru for UBC's "R Club"
- 2015 Facilitator & organizer for the UBC Biodiversity Seminar series
- 2013 Student Mentor for UBC Zoology Graduate Mentorship Program
- 2011 Volunteer for the UBC/SFU/UVic EcoEvo Retreat
- 2011 Student facilitator for UBC Biodiversity Internal Seminar Series

TEACHING ASSISTANTSHIPS

- 2016 Biostatistics
- 2015 Data Wrangling, Exploration, and Analysis with R
Also guest lectured: Regular Expressions in R
- 2014 Evolutionary Ecology
- 2011 Fundamentals of Evolutionary Biology
- 2010 Introduction to Entomology
- 2010 Animal Behaviour
- 2009 Animal Behaviour
- 2008 Introduction to Saltwater Ecosystems

Last updated September 15, 2017