

## Tyler V. Kent

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CONTACT INFORMATION	Department of Ecology and Evolutionary Biology University of Toronto 25 Willcocks St. Toronto, ON M5S 3B2	tyler.kent@mail.utoronto.ca Website: <a href="https://github.com/tvkent">tvkent.github.io</a> Twitter: <a href="https://twitter.com/tylervkent">@tylervkent</a> Github: <a href="https://github.com/tvkent">tvkent</a>
EDUCATION	<b>Ph.D., Ecology and Evolutionary Biology</b> University of Toronto Advisor: Dr. Stephen I. Wright  <b>B.S., Genetics and Genomics</b> Minor in Statistics University of California, Davis	expected 2020     June 2015
HONORS AND AWARDS	NSERC Post-Graduate Scholarship, Doctoral (PGS-D)  Faculty of Arts and Science Top (FAST) Doctoral Fellowship University of Toronto Faculty of Arts and Science  Society for the Study of Evolution Travel Award  Society of Systematic Biologists Evolution Meeting Travel Award  Harold H. Harvey Travel Award, University of Toronto  SMBE 2017 Registration Award  Evolutionary Genomics of Sex Travel award American Genetic Association and the Center for Evolution and Medicine at Arizona State University for travel to the Evolutionary Genomics of Sex conference in Tempe, Arizona  School of Graduate Studies Conference Grant University of Toronto, to attend The Allied Genetics Conference in Orlando FL  Ecology and Evolutionary Biology Entrance Award Department of Ecology and Evolutionary Biology, University of Toronto  Citation for Outstanding Performance College of Biological Sciences, UC Davis  Phi Sigma Society, Gamma Delta Chapter member College of Biological Sciences Honor Society, UC Davis  Dean's Honor List College of Biological Sciences, UC Davis	2019-2020  2015-2020  2018 2018 2017,2018 2017 2016 2016 2015 June 2015 2014-2015 Fall 2011, Fall 2013, Spring 2014
PUBLICATIONS	Kryvokhyzha D, Salcedo A, Eriksson MC, Duan T, Tawari N, Chen J, Guerrina M, Kreiner JM, <b>Kent TV</b> , Lagercrantz U, Stinchcombe JR, Glémin S, Wright SI, Lascoux M (2017) Parental legacy, demography, and introgression influenced the evolution of the two subgenomes of the tetraploid <i>Capsella bursa-pastoris</i> (Brassicaceae) <i>bioRxiv</i> doi: <a href="https://doi.org/10.1101/234096">https://doi.org/10.1101/234096</a> (In revision at <i>PLoS Genetics</i> , February 2018)	

**Kent TV**, Uzunovic J, Wright SI (2017) Coevolution of transposable elements and recombination *Philosophical Transactions of the Royal Society B* Volume 372, Issue 1736  
DOI: 10.1098/rstb.2016.0458

Sas C, Muller F, Kappel C, **Kent TV**, Wright SI, Hilker M, Lenhard M (2016) Repeated inactivation of the first committed enzyme underlies the loss of benzaldehyde emission after the selfing-transition in *Capsella*. *Current Biology* Volume 26, Issue 24, p33133319  
doi:<http://dx.doi.org/10.1016/j.cub.2016.10.026>

Durvasula A, Hoffman P, **Kent TV**, Liu C, Kono T, Morrell P, Ross-Ibarra J (2016) ANGSD-wrapper: utilities for analyzing next generation sequencing data. *Molecular Ecology Resources*. 16: 14491454. doi:10.1111/1755-0998.12578

PRESENTATIONS	<b>Kent TV</b> , Wright SI, and the BMAP Consortium Genome evolution after whole genome duplication in 32 Brassicales species Talk at the Second Joint Congress on Evolutionary Biology, Montpellier, France	2018
	<b>Kent TV</b> , Wright SI, and the BMAP Consortium Genome evolution after whole genome duplication in 32 Brassicales species Poster at Midwest PopGen, East Lansing MI	2017
	<b>Kent TV</b> , Wright SI, and the BMAP Consortium Genome evolution after whole genome duplication in 32 Brassicales species Poster at SMCB, Austin TX	2017
	<b>Kent TV</b> and Wright SI Mutation load within a selfing allotetraploid Talk at Evolutionary Genomics of Sex, Tempe AZ	2016
	<b>Kent TV</b> and Wright SI How does mating system affect linked selection in <i>Capsella</i> ? Poster at The Allied Genetics Conference, Orlando FL	2016
	Durvasula A, <b>Kent TV</b> , Bhadra-Lobo S, Ross-Ibarra J ANGSD-wrapper: scripts to streamline and visualize NGS population genetics analysis Poster at BAPG XI meeting, UC Davis	2014
NON-PEER REVIEWED PUBLICATIONS	<b>Kent TV</b> (2016) TAGC16 Shorts: the bursting bubble of harmful mutations. Genes to Genomes: a blog from the Genetics Society of America. Contributed article. <a href="http://genestogenomes.org/tagc16-shorts-the-bursting-bubble-of-harmful-mutations/">http://genestogenomes.org/tagc16-shorts-the-bursting-bubble-of-harmful-mutations/</a>	
SOFTWARE	ANGSD-wrapper ( <a href="https://github.com/mojaveazure/angsd-wrapper">https://github.com/mojaveazure/angsd-wrapper</a> )	
RESEARCH EXPERIENCE	Graduate Research Assistant, <a href="#">Wright Lab</a> , University of Toronto	2015-present
	Research Intern, <a href="#">Ross-Ibarra Lab</a> , UC Davis Genotype imputation, controlled crosses of transgenic maize, scripts to improve population genomic software, and investigation of crop-wild gene flow in rice	2014-2015

TEACHING EXPERIENCE	Teaching Assistant, BIO251 Plant Form, Function, and Development, (U of T)	Winter 2018
	Teaching Assistant, EEB323 Evolutionary Genetics, (U of T)	Fall 2017
	Teaching Assistant, BIO120 Adaptation and Biodiversity, (U of T)	Fall 2015, 2016
	Learning Assistant, BIS2B Principles of Ecology and Evolution, (UCD)	Fall 2012
MENTORSHIP	Gwendolyn Clark, VIC One program (VIC170), University of Toronto	Winter 2018
SCIENCE AND DEPARTMENTAL OUTREACH	Organizer and leader of (Re)Views: A reviews-based journal club	2016,2018
	Session moderator, Atwood Colloquium in Ecology and Evolution	2018
	Volunteer at AGA Presidential Symposium, University of Toronto	2018
	EEB Graduate Student Association (EGSA) Secretary, University of Toronto	2017-2018
	EGSA IT and Social Media Representative, University of Toronto	2017-2018
	EEB department twitter organizer (@eebtoronto)	2017-present
	Volunteer at EEB booth for Science Rendezvous at the University of Toronto	2017
	Co-leader of EEB Summer Book Club at the University of Toronto	2017
	Co-leader of EEB Student Journal Club at the University of Toronto	2016-2017
	EEB Bioinformatics Workshop at the University of Toronto co-leader	2016
	Atwood Colloquium in Ecology and Evolution keynote speaker search committee	2015-2017
SOCIETAL MEMBERSHIPS	Genetics Society of America (GSA), Society for Molecular Biology and Evolution (SMBE), Society for the Study of Evolution (SSE), American Society of Naturalists (ASN), American Genetic Association (AGA), Society of Systematic Biologists (SSB)	