

Tyler V. Kent

CONTACT INFORMATION	Department of Ecology and Evolutionary Biology University of Toronto 25 Willcocks St. Toronto, ON M5S 3B2	tyler.kent@mail.utoronto.ca Website: tvkent.github.io Twitter: @tylervkent Github: tvkent
EDUCATION	Ph.D., Ecology and Evolutionary Biology University of Toronto Advisor: Dr. Stephen I. Wright Thesis: <i>Genome evolution after major transitions in Brassicaceae</i>	2015-present
	B.S., Genetics and Genomics Minor in Statistics University of California, Davis Advisor: Dr. Jeffrey Ross-Ibarra	June 2015
SELECTED HONOURS AND AWARDS	NSERC Post-Graduate Scholarship, Doctoral (PGS-D) \$42,000 Faculty of Arts and Science Top Doctoral Fellowship \$115,000 University of Toronto Faculty of Arts and Science University of Toronto EEB Outstanding Teaching Assistant Award \$100 Nominated by undergraduates in EEB323: Evolutionary Genetics Ramsay Wright Award Honourable Mention \$250 University of Toronto EEB, for academic achievement and departmental contributions Society for Molecular Biology and Evolution (SMBE) Registration Award \$395 Evolutionary Genomics of Sex Travel Award \$550 American Genetic Association and Arizona State University Ecology and Evolutionary Biology Entrance Award \$3,000 Department of Ecology and Evolutionary Biology, University of Toronto Citation for Outstanding Performance College of Biological Sciences, UC Davis	2019-2020 2015-2019 2018 2018 2017 2016 2015 2015
PUBLICATIONS	Kryvokhyzha D, Salcedo A, Eriksson MC, Duan T, Tawari N, Chen J, Guerrina M, Kreiner JM, Kent TV , Lagercrantz U, Stinchcombe JR, Glémin S, Wright SI, Lascoux M (2019) Parental legacy, demography, and admixture influenced the evolution of the two subgenomes of the tetraploid <i>Capsella bursa-pastoris</i> (Brassicaceae). <i>PLoS Genetics</i> 15(2): e1007949. doi: 10.1371/journal.pgen.1007949 Kent TV , Uzunović J, Wright SI (2017) Coevolution of transposable elements and recombination. <i>Philosophical Transactions of the Royal Society B</i> 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 <i>Capsella</i> . <i>Current Biology</i> Volume 26, Issue 24, p33133319. doi: 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. <i>Molecular Ecology Resources</i> 16: 14491454. doi: 10.1111/1755-0998.12578	

PRESENTATIONS	Kent TV , Platts A, Wright SI, and the BMAP Consortium	Cancelled due to Covid19
	Repeated polyploidization in the Brassicaceae drives both independent and convergent responses of selection and genome architecture	
	Talk at Society for Molecular Biology and Evolution (SMBE), Quebec City, Canada.	
	Kent TV , Platts A, Wright SI, and the BMAP Consortium	2019
	Conserved sequence evolution and polyploidy in 32 Brassicales genomes	
	Poster at Society for Molecular Biology and Evolution (SMBE), Manchester, England	
	Kent TV , Platts A, Wright SI, and the BMAP Consortium	2019
	Genome evolution after whole genome duplication in 32 Brassicales species: Ghosts of polyploidy past	
	Talk at the Atwood Colloquium in Ecology and Evolutionary Biology, Toronto, Canada	
	Kent TV , Wright SI, and the BMAP Consortium	2018
NON-PEER REVIEWED PUBLICATIONS	Genome evolution after whole genome duplication in 32 Brassicales species	
	Talk at the Second Joint Congress on Evolutionary Biology, Montpellier, France	
	Kent TV , Wright SI, and the BMAP Consortium	2017
	Poster at Midwest PopGen, East Lansing MI	
	Kent TV , Wright SI, and the BMAP Consortium	2017
	Poster at SMBE, Austin TX	
	Kent TV and Wright SI	2016
	Mutation load within a selfing allotetraploid	
	Talk at Evolutionary Genomics of Sex, Tempe AZ	
	Kent TV and Wright SI	2016
SOFTWARE	How does mating system affect linked selection in <i>Capsella</i> ?	
	Poster at The Allied Genetics Conference, Orlando FL	
	Durvasula A, Kent TV , Bhadra-Lobo S, Ross-Ibarra J	2014
	ANGSD-wrapper: scripts to streamline and visualize NGS population genetics analysis	
	Poster at Bay Area Population Genomics (BAPG) XI meeting, UC Davis	
	Kent TV (2016) TAGC16 Shorts: the bursting bubble of harmful mutations. <i>Genes to Genomes: a blog from the Genetics Society of America</i> . Contributed article.	
	http://genestogenomes.org/tagc16-shorts-the-bursting-bubble-of-harmful-mutations/	
	ANGSD-wrapper (https://github.com/ANGSD-wrapper/angsd-wrapper)	
TEACHING	Teaching Assistant, EEB323 Evolutionary Genetics, (U of T)	Fall 2017, 2018, 2019
	Course Development, EEB323 Evolutionary Genetics, (U of T)	Summer 2018
	Teaching Assistant, BIO251 Plant Form, Function, and Development, (U of T)	Winter 2018
	Teaching Assistant, BIO120 Adaptation and Biodiversity, (U of T)	Fall 2015, 2016
	Learning Assistant, BIS2B Principles of Ecology and Evolution, (UC Davis)	Fall 2012
MENTORSHIP	Natasha Dhamrait, Honours thesis: <i>The role of drift in rediploidization</i> , University of Toronto 2020-2021	
	Gwendolyn Clark, VIC One program (VIC170), University of Toronto	Winter 2018

JOURNAL SERVICE	Preprint Editorial Team, <i>Proceedings of the Royal Society B</i> Plant Biology Section & Bioinformatics Section Leader	2019-present
	Reviewer: <i>Molecular Biology and Evolution</i> ; <i>G3: Genes, Genomes, Genetics</i> ; <i>Heredity</i> ; <i>Molecular Biology Reports</i>	
SCIENCE OUTREACH	EEB Graduate Student Association (EGSA) IT Representative (elected), U of T	2017-2020
	Newsletter Editor and webmaster, <i>The EEB Quarterly</i>	2018-present
	EEB department twitter moderator (@eebtoronto), U of T	2017-present
	Panelist, EEB NSERC award application graduate student panel, U of T	2018, 2019
	Volunteer at FACT-B Talk on Biodiversity (social media), Royal Ontario Museum	2019
	EGSA Atwood Colloquium Chair (elected), U of T	2018-2019
	Atwood Lecturer search committee, U of T	2015-2017, 2019
	Organizer of (Re)Views: A reviews-based journal club	2016, 2018
	Session moderator, Atwood Colloquium in Ecology and Evolution, U of T	2018
	Volunteer at AGA Presidential Symposium, University of Toronto	2018
	EGSA Secretary (elected), U of T	2017-2018
	Volunteer at EEB booth for Science Rendezvous at the University of Toronto	2017
	Co-leader of EEB Summer Book Club at the U of T	2017
	EGSA co-chair for Student Journal Club (elected), U of T	2016-2017