

# 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: <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: <a href="#">Dr. Stephen I. Wright</a>  <b>B.S., Genetics and Genomics</b> Minor in Statistics University of California, Davis	expected 2020     June 2015
HONOURS AND AWARDS	NSERC Post-Graduate Scholarship, Doctoral (PGS-D)  Faculty of Arts and Science Top Doctoral Fellowship University of Toronto Faculty of Arts and Science  Ramsay Wright Award Honourable Mention University of Toronto EEB, for academic achievement and contributions to the department  Society for the Study of Evolution (SSE) Travel Award  Society of Systematic Biologists (SSB) Evolution Meeting Travel Award  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  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  2018  2017  2016  2015  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**, Uzunović 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, p3313–3319  
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: 1449–1454. doi:10.1111/1755-0998.12578

PRESENTATIONS	<b>Kent TV</b> , Wright SI, and the BMAP Consortium	2018
	Genome evolution after whole genome duplication in 32 Brassicales species	
	Talk at the Second Joint Congress on Evolutionary Biology, Montpellier, France	
	<b>Kent TV</b> , Wright SI, and the BMAP Consortium	2017
	Poster at Midwest PopGen, East Lansing MI	
	<b>Kent TV</b> , Wright SI, and the BMAP Consortium	2017
	Poster at SMBE, Austin TX	
	<b>Kent TV</b> and Wright SI	2016
	Mutation load within a selfing allotetraploid	
	Talk at Evolutionary Genomics of Sex, Tempe AZ	
	<b>Kent TV</b> and Wright SI	2016
	How does mating system affect linked selection in <i>Capsella</i> ?	
	Poster at The Allied Genetics Conference, Orlando FL	
	Durvasula A, <b>Kent TV</b> , Bhadra-Lobo S, Ross-Ibarra J	2014
	ANGSD-wrapper: scripts to streamline and visualize NGS population genetics analysis	
	Poster at BAPG XI meeting, UC Davis	
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	2014-2015
	Genotype imputation, controlled crosses of transgenic maize, scripts to improve population genomic software, and investigation of crop-wild gene flow in rice	

TEACHING AND COURSE DEVELOPMENT	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, 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	EEB department twitter organizer ( <a href="#">@eebtoronto</a> )	2017-present
	EEB Graduate Student Association (EGSA) Atwood Colloquium Chair	2018-2019
	EGSA IT and Social Media Representative, University of Toronto	2017-2019
	Organizer 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
	EGSA Secretary, University of Toronto	2017-2018
	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
	Atwood Colloquium in Ecology and Evolution keynote speaker search committee	2015-2017
	EGSA co-chair for Student Journal Club at the University of Toronto	2016-2017
	Co-leader, EEB Bioinformatics Workshop, University of Toronto	2016