

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: tvkent.github.io Twitter: @tylervkent Github: tvkent |
| EDUCATION | Ph.D., Ecology and Evolutionary Biology University of Toronto Advisor: Dr. Stephen I. Wright B.S., Genetics and Genomics Minor in Statistics University of California, Davis Advisor: Dr. Jeffrey Ross-Ibarra | 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 University of Toronto EEB Outstanding Teaching Assistant Award Nominated by undergraduates in EEB323: Evolutionary Genetics 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 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, Kent TV , 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 *Capsella bursa-pastoris* (Brassicaceae) *bioRxiv* doi: <https://doi.org/10.1101/234096>
(In revision at *PLoS Genetics*, 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, 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

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| PRESENTATIONS | Kent TV , 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 | |
| | 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 |
| | 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 BAPG XI meeting, UC Davis | |
| NON-PEER REVIEWED PUBLICATIONS | Kent TV (2016) TAGC16 Shorts: the bursting bubble of harmful mutations. Genes to Genomes: a blog from the Genetics Society of America. Contributed article. http://genestogenomes.org/tagc16-shorts-the-bursting-bubble-of-harmful-mutations/ | |
| SOFTWARE | ANGSD-wrapper (https://github.com/ANGSD-wrapper/angsd-wrapper) | |
| TEACHING AND COURSE | Teaching Assistant, EEB323 Evolutionary Genetics, (U of T) | Fall 2017, 2018 |
| DEVELOPMENT | Course Development, EEB323 Evolutionary Genetics, (U of T) | Summer 2018 |
| | Teaching Assistant, BIO251 Plant Form, Function, and Development, (U of T) | Winter 2018 |

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| | 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 | Editor and webmaster, <i>The EEB Quarterly</i> | 2018-present |
| | EEB department twitter organizer (@eebtoronto), University of Toronto | 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 |
| | Reviewer: <i>Heredity</i> | |