

## Education

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University of Toronto, 2022-                      PhD in Ecology & Evolutionary Biology, University of Toronto  
Supervisors: Drs. Matthew Osmond, Nicole Mideo

- **Research interests:** recombination; viral evolution & emergence; modifier theory; coalescent theory
- **Teaching:** [EEB313: Quantitative Methods in R for Biologists](#) (co-instructor F23, F24)
- **TAing:** EEB468 (F22), BIO120 (F22), EEB319 (F23), EEB313 (course development, S24), EEB325 (S25)

University of Idaho, 2018-2022                      BSc in Mathematics *General & Applied Quant. Modeling Options*  
BSc in Statistical Science *General Option*

- **Coursework:** computational statistics, genomics, ODEs, PDEs, mathematical genetics, etc.
- **TAing:** MATH330 (F19), MATH215 (F20, F21), MATH461 (F21)

## Publications

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- Keefer, M., **Yuksel, M.**, & Caudill, C. Decision Support Modeling for Outplanting Adult Chinook Salmon in the Santiam River Basin (Technical Report 2022-1 for US Army Corps of Engineers).
- **Yuksel, M.**, Remien, C., Karki, B., Bull, J., & Krone, S. (2021). Vector dynamics influence spatially imperfect genetic interventions against disease. *Evolution, Medicine, & Public Health*, 9(1), 1-10.

## Selected awards

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I have sought and secured **>\$150,000 CAD in competitive research funding and scholarships**. I have also received several awards for academic excellence.

2024-27	University of Toronto Data Sciences Institute Doctoral Fellowship (\$79,500 CAD)
2023-24	University of Toronto Institute for Pandemics Graduate Studentship (\$10,000 CAD)
2022-27	Connaught International Doctoral Scholarship (\$50,000 CAD)
2022-24	Faculty of Arts & Science Doctoral Recruitment Award (\$10,000 CAD)
2022	John B. George Award, presented to the top graduating senior in the College of Science

## Selected presentations

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2025	Evolution; Society for Theory & Modeling in Population Biology
2024	Evolution; Mathematical Models in Ecology & Evolution
2023	Ecology & Evolution of Infectious Diseases University of Toronto Atwood Colloquium in Ecology & Evolutionary Biology
2022	Workshop in Mathematical and Computational Biology Pacific Inland Mathematics Undergraduate Conference

## Selected service

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2024-25	University of Toronto Atwood Colloquium in Ecology & Evolution Organizing Co-Chair
2024-	Member of Society for the Study of Evolution (SSE) Graduate Council
2022-23	Member of Ecology & Evolutionary Biology Wellness Committee, EDI Subcommittee Co-led development of \$8K research award for BIPOC undergraduates
2022-23	CUPE 3902 Steward for Dept. Ecology & Evolutionary Biology
2021-22	Member of the University of Idaho COVID Committee
2017-19	Member of the City of Moscow Sustainable Environment Commission