

PERSONAL DETAILS

Mobile	(416) 806-3264	GitHub	www.github.com/dlato
E-Mail	latodf@mcmaster.ca	LinkedIn	daniella-lato-672729163

EDUCATION

**Doctor of Philosophy Candidate in
Computational Biology and Bacterial Genomics** 2015-Present
McMaster University, Hamilton, ON

Supervisors: Professor G. Brian Golding
Thesis Title: Spatial Patterns of Molecular Trends in Bacterial Genomes

Honours Bachelor of Science in Mathematics and Biology 2011-2015
McMaster University, Hamilton, ON

Supervisors: Professor G. Brian Golding
Honours Thesis Title: Substitution Rates in Relation to Position on the Replicons of *Sinorhizobium*

CODING AND HIGH PERFORMANCE COMPUTING

Python	L ^A T _E X	tcsh
BioPython	Perl	bash
R	GitHub	
Shiny	Unix command line	zcsch

PUBLICATIONS

- [1] Lato, D. F. and Golding, G. B. (2020). Spatial Patterns of Gene Expression in Bacterial Genomes. *J Mol Evol*.
- [2] Moretti, M. E., Lato, D. F., Berger, H., Koren, G., Ito, S., and Ungar, W. J. (2017). A cost-effectiveness analysis of maternal CYP2D6 genetic testing to guide treatment for postpartum pain and avert infant adverse events. *Pharmacogenomics J*.

PROFESSIONAL EXPERIENCE

Undergraduate Research Assistant 2014
Biology, McMaster University, Hamilton, ON

Supervisor: Dr. G. Brian Golding

Undergraduate Research Assistant 2013
Surgical Oncology, University of Toronto, Toronto, ON

Supervisor: Dr. Usmaan Hameed

Undergraduate Research Assistant 2012
Motherisk, The Hospital for Sick Children, Toronto, ON

Supervisor: Dr. Myla E. Moretti

TEACHING

Teaching Assistant <i>Department of Biology, McMaster University</i> Introduction to Bioinformatics	2015-Present
Teaching Assistant <i>Department of Biology, McMaster University</i> Genetics	2015-Present
Guest Lecture <i>Department of Biology, McMaster University</i> Molecular Evolution	2018
Workshop Leader <i>Plant Molecular Biology Lab Workshop, Department of Biology, McMaster University</i>	2017
Software Carpentry Leader <i>McMaster University, Hamilton</i>	2017
Teaching Assistant <i>Department of Mathematics and Statistics, McMaster University</i> Differential Equations	2014

HONORS AND AWARDS

Dr. Edna Guest Award <i>Annual Athletic Awards, McMaster University</i> \$1,000 CAD	2020
All Canadian Award for Outstanding Average While on a Competitive University Sports Team <i>Canadian University Synchronized Swimming League (CUSSL)</i>	2012-2020
McMaster Marauder Scholar <i>McMaster University Athletics Department</i>	2012 - 2020
Therese Quigley Award of Excellence for Graduate Student Leadership in Athletics <i>Graduate Student Recognition Awards, McMaster University</i> \$200 CAD	2018-2019
Biology Travel Scholarship <i>Department of Biology, McMaster University</i> \$500 CAD	2018-2019
GSA Travel Assistance Award <i>School of Graduate Studies, McMaster University</i> \$500 CAD	2019
Evolution and Comparative Genomics Subsidy <i>International Society for Computational Biology</i> \$475 USD	2018
Monica Scarabello Memorial Bursary <i>McMaster University</i> \$1,000 CAD	2018
RTO/ERO Scholarship <i>Retired Teachers of Ontario (RTO)</i> \$1,500 CAD	2017
Monica Scarabello Memorial Bursary <i>McMaster University</i> \$500 CAD	2016

Robert John Morris Graduate Studies Bursary <i>McMaster University</i> \$1,500 CAD	2016
McMaster Synchronized Swimming Club VIP <i>McMaster University</i>	2016
Dr. Joachim Sparkuhl Undergraduate Research Award in Genomics, Genetics and Other Biological Sciences <i>McMaster University</i> \$7,680 CAD	2014

CONFERENCES/PANEL DISCUSSIONS

Poster Presentation <i>Mutation Rate Evolution</i> Society for Molecular Biology and Evolution Conference	Manchester, UK 2019
Oral Presentation <i>Evolutionary Biology / Molecular Evolution</i> Ontario Ecology, Ethology, and Evolution Colloquium	McMaster University, Hamilton, ON 2019
Oral Presentation <i>Evolution and Comparative Genomics COSI</i> Intelligent Systems for Molecular Biology Conference	Chicago, IL 2018
Panellist <i>McMaster University, Hamilton, ON 2018</i> Women In Science and Engineering (WISE)	EngSci Girl

VOLUNTEER EXPERIENCE

Let's Talk Science <i>McMaster University, Let's Talk Science, Hamilton</i>	2017 - Present
Novice Program Coach <i>McMaster Synchronized Swimming Club, McMaster University, Hamilton</i>	2019 - 2020
SNAP (Special Needs Assistance Program) <i>McMaster University, Hamilton</i>	2016 - 2019
Vice President <i>McMaster Synchronized Swimming Club, McMaster University, Hamilton</i>	2014 - 2015, 2018 - 2019
Judge for Biology Undergraduate Symposium <i>Department of Biology, McMaster University, Hamilton, ON</i>	2017 - 2018
President <i>McMaster Synchronized Swimming Club, McMaster University, Hamilton</i>	2015 - 2018
BGSS (Biology Graduate Student Society) <i>Department of Biology, McMaster University, Hamilton</i>	2016 - 2017
Meet Manager <i>McMaster Synchronized Swimming Club, McMaster University, Hamilton</i>	2016
McMaster Arts for Children <i>McMaster University, Hamilton</i>	2014 - 2015

McMaster Athletes Care

McMaster Synchronized Swimming Club, McMaster University, Hamilton

2013 - 2014

OTHER WORK EXPERIENCE

Tour Guide

McMaster University, Hamilton

Sep 2017 - Present