

PERSONAL DETAILS

Address Life Sciences Building Room 522
McMaster University
1280 Main Street West
Hamilton
Ontario, Canada, L8S 4L8
Mobile (416) 806-3264
E-Mail latodf@mcmaster.ca
GitHub www.github.com/dlato
LinkedIn www.linkedin.com/in/daniella-lato-672729163

ACADEMIC QUALIFICATIONS

Ph.D. Candidate in Computational Biology and Bacterial Genomics Present
McMaster University, Hamilton, ON
Supervisors: Professor G. Brian Golding
Thesis Title: Spatial Patterns of Molecular Trends in Bacterial Genomes

B.Sc Honours With Distinction 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	Unix command line
R	tcsh
Shiny	bash
L ^A T _E X	zsh
Perl	GitHub

PUBLICATIONS

- [1] Lato, D. F. and Golding, G. B. (2020). Spatial Patterns of Gene Expression in Bacterial Genomes. *Forthcoming: 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 Biology, McMaster University, Hamilton, ON
Supervisor: Dr. G. Brian Golding
2014

Undergraduate Research Assistant Surgical Oncology, University of Toronto, Toronto, ON
Supervisor: Dr. Usmaan Hameed
2013

Undergraduate Research Assistant Motherisk, The Hospital for Sick Children, Toronto, ON
Supervisor: Dr. Myla E. Moretti
2012

TEACHING

Teaching Assistant Department of Biology, McMaster University
Introduction to Bioinformatics
2015-Present

Teaching Assistant Department of Biology, McMaster University
Genetics
2015-Present

Guest Lecture Department of Biology, McMaster University
Molecular Evolution
2018

Workshop Leader 2017
Plant Molecular Biology Lab Workshop, Department of Biology, McMaster University

Software Carpentry Leader 2017
McMaster University, Hamilton

Teaching Assistant Department of Mathematics and Statistics, McMaster University
Differential Equations
2014

CONFERENCES/PANEL DISCUSSIONS

Poster Presentation Mutation Rate Evolution
Society for Molecular Biology and Evolution Conference
Manchester, UK 2019

Oral Presentation Evolutionary Biology / Molecular Evolution
Ontario Ecology, Ethology, and Evolution Colloquium
McMaster University, Hamilton, ON 2019

Oral Presentation Evolution and Comparative Genomics COSI
Intelligent Systems for Molecular Biology Conference
Chicago, IL 2018

Panellist EngSci Girl
Women In Science and Engineering (WISE)
McMaster University, Hamilton, ON 2018

HONORS AND AWARDS

Dr. Edna Guest Award Annual Athletic Awards, McMaster University
\$1,000CAD
2020

Graduate Scholarship McMaster University
\$691CAD per annum
2015 - 2020

CUSSL All Canadian Award for Outstanding Average While on a Competitive University Sports Team Canadian University Synchronized Swimming League (CUSSL)
2012-2020

McMaster Marauder Scholar McMaster University Athletics Department

2012 - 2020

Therese Quigley Award of Excellence for Graduate Student Leadership in Athletics

Graduate Student Recognition Awards, McMaster University

\$200CAD

2019

Biology Travel Scholarship

Department of Biology, McMaster University

\$500CAD

2019

GSA Travel Assistance Award

School of Graduate Studies, McMaster University

\$500CAD

2019

Biology Travel Scholarship

Department of Biology, McMaster University

\$500CAD

2018

Therese Quigley Award of Excellence for Graduate Student Leadership in Athletics

Graduate Student Recognition Awards, McMaster University

\$200CAD

2018

Evolution and Comparative Genomics Subsidy International Society for Computational Biology

\$475USD

2018

Monica Scarabello Memorial Bursary

McMaster University

\$1,000CAD

2018

RTO/ERO Scholarship

Retired Teachers of Ontario (RTO)

\$1,500CAD

2017

Monica Scarabello Memorial Bursary

McMaster University

\$500CAD

2016

Robert John Morris Graduate Studies Bursary

McMaster University

\$1,500CAD

2016

McMaster Synchronized Swimming Club VIP

McMaster University

2016

Graduate Entrance Scholarship

McMaster University

\$1,500CAD

2015

Dr. Joachim Sparkuhl Undergraduate Research Award in Genomics, Genetics and Other Biological Sciences

McMaster University

\$7,680CAD

2014

Dean's Honor List

McMaster University

2012 - 2015

Undergraduate Entrance Scholarship

McMaster University

\$750CAD

2011

NON-ACADEMIC WORK EXPERIENCE

Tour Guide

Sep 2017 - Present

McMaster University, Hamilton

Information Service Attendant
Recreation, City of Markham, Markham

May 2015 - Aug 2016

Education Employee
Education, Toronto Zoo, Scarborough

Jun 2015 - Aug 2016

VOLUNTEER EXPERIENCE

Novice Program Coach 2019 - 2020
McMaster Synchronized Swimming Club, McMaster University, Hamilton

Let's Talk Science 2017 - Present
McMaster University, Let's Talk Science, Hamilton

SNAP (Special Needs Assistance Program) 2016 - 2019
McMaster University, Hamilton

Vice President 2014 - 2015, 2018 - 2019
McMaster Synchronized Swimming Club, McMaster University, Hamilton

Judge for Biology Undergraduate Symposium 2017 - 2018
Department of Biology, McMaster University, Hamilton, ON

President 2015 - 2018
McMaster Synchronized Swimming Club, McMaster University, Hamilton

BGSS (Biology Graduate Society) 2016 - 2017
Department of Biology, McMaster University, Hamilton

Meet Manager 2016
McMaster Synchronized Swimming Club, McMaster University, Hamilton

McMaster Arts for Children 2014 - 2015
McMaster University, Hamilton

McMaster Athletes Care 2013 - 2014
McMaster Synchronized Swimming Club, McMaster University, Hamilton