

## PERSONAL DETAILS

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<i>Mobile</i>	(416) 806-3264	<i>GitHub</i>	<a href="https://www.github.com/dlato">www.github.com/dlato</a>
<i>E-Mail</i>	<a href="mailto:latodf@mcmaster.ca">latodf@mcmaster.ca</a>	<i>LinkedIn</i>	<a href="#">daniella-lato-672729163</a>

## EDUCATION

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**Ph.D. 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

**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

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Python	L <sup>A</sup> T <sub>E</sub> X	tcsh
BioPython	Perl	bash
R	GitHub	
Shiny	Unix command line	zcsch

## PUBLICATIONS

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- [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

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**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

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

## HONORS AND AWARDS

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

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

## **CONFERENCES/PANEL DISCUSSIONS**

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

## **VOLUNTEER EXPERIENCE**

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

**McMaster Athletes Care**

*McMaster Synchronized Swimming Club, McMaster University, Hamilton*

2013 - 2014

## **OTHER WORK EXPERIENCE**

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**Tour Guide**

*McMaster University, Hamilton*

Sep 2017 - Present