

## PERSONAL DETAILS

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*Address*                82 Whitney Avenue  
                              Hamilton  
                              Ontario, Canada, L8S 2G5  
*Mobile*                (416) 806-3264  
*E-Mail*                 [latodf@mcmaster.ca](mailto:latodf@mcmaster.ca)

## ACADEMIC QUALIFICATIONS

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**Ph.D. Student Bacterial Genomics and Bioinformatics** Present  
*McMaster University, Hamilton, ON*  
Supervisors: Professor G. Brian Golding  
Thesis Title: Spatial Substitution Trends in Bacterial Genomes

**B.Sc Honors With Distinction Biology and Mathematics** 2011-2015  
*McMaster University, Hamilton, ON*  
Supervisors: Professor G. Brian Golding  
Honors Thesis Title: Substitution Rates in Relation to Position on the Replicons of *Sinorhizobium*

## PROFESSIONAL EXPERIENCE

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**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

## PUBLICATIONS

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- [1] 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.*

## TEACHING

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**Guest Lecturer** Department of Biology, McMaster University  
*Molecular Evolution Course (4DD3)*  
2018  
**Teaching Assistant** Department of Biology, McMaster University  
*Introduction to Bioinformatics*  
2015-2018  
**Teaching Assistant** Department of Biology, McMaster University  
*Genetics*  
2015-2018

## HONORS AND AWARDS

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Monica Scarabello Memorial Bursary  
\$1,000

2018

McMaster University

RTO/ERO Scholarship  
\$1,500

2017

Retired Teachers of Ontario (RTO)

Graduate Scholarship  
\$691 per annum

2015-2017

McMaster University

CUSSL All Canadian Award for Outstanding Average While on a Competitive University Sports Team

Canadian University Synchronized Swimming League (CUSSL)

2012-2017

McMaster Marauder Scholar

McMaster University Athletics Department

2012-2017

Monica Scarabello Memorial Bursary  
\$500

2016

McMaster University

Robert John Morris Graduate Studies Bursary  
\$1,500

2016

McMaster University

McMaster Synchronized Swimming Club VIP

McMaster University

2016

Graduate Entrance Scholarship  
\$1,500

2015

McMaster University

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

McMaster University

\$7,680

2014

Dean's Honor List

McMaster University

2012-2015

Undergraduate Entrance Scholarship  
\$750

2011

McMaster University

## CODING AND HIGH PERFORMANCE COMPUTING

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Perl

R

tcsh

Command line

L<sup>A</sup>T<sub>E</sub>X

Python

## NON-ACADEMIC WORK EXPERIENCE

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<b>Tour Guide</b> <i>McMaster University, Hamilton</i>	Sep 2017 - Present
<b>Information Service Attendant</b> <i>Recreation, Centennial and Cornell Community Centre, City of Markham, Markham</i>	May 2015 - Aug 2016
<b>Education Employee</b> <i>Education, Toronto Zoo, Scarborough</i>	Jun 2015 - Aug 2016
<b>Camp Counsellor and Supervisor</b> <i>Recreation, City of Markham, Markham</i>	Jun 2013 - Aug 2013

## VOLUNTEER EXPERIENCE

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<b>Let's Talk Science</b> <i>McMaster University, Let's Talk Science, Hamilton</i>	2017 - Present
<b>SNAP (Special Needs Assistance Program)</b> <i>McMaster University, Hamilton</i>	2016 - Present
<b>Software Carpentry Leader</b> <i>McMaster University, Hamilton</i>	2017
<b>President</b> <i>McMaster Synchronized Swimming Club, McMaster University, Hamilton</i>	2015 - 2018
<b>Vice President</b> <i>McMaster Synchronized Swimming Club, McMaster University, Hamilton</i>	2014 - 2015
<b>McMaster Arts for Children</b> <i>McMaster University, Hamilton</i>	2014 - 2015
<b>McMaster Athletes Care</b> <i>McMaster Synchronized Swimming Club, McMaster University, Hamilton</i>	2013 - 2014