

CURRICULUM VITAE

Gabrielle N. Gaultier, H.B.Sc., Ph.D. Biotechnology candidate

PERSONAL DATA

Ph.D. biotechnology candidate
Department of Biology
Lakehead University, MS-3017
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EDUCATION

2015-Present

Ph.D. Biotechnology Candidate
Department of Biology, Lakehead University,
Thunder Bay, ON, Canada

2014 - 2015

M.Sc. Biology
(did not complete, transferred to PhD program September 2015)
Department of Biology, Lakehead University,
Thunder Bay, ON, Canada

2010 - 2014

H.B.Sc. Applied Biomolecular Science,
Department of Biology, Lakehead University,
Thunder Bay, ON, Canada

RESEARCH TRAINING

Graduate experience

January 2018- April 2018

Graduate Assistant Research Internship, Lakehead University
Project: Studies in support of a new vaccine to prevent invasive
Haemophilus influenzae type a (Hia) disease in Canadian Indigenous
communities
Supervisor: Dr. Marina Ulanova

September 2016- April 2017

Graduate Assistant Research Internship, Lakehead University
Project: Studies in support of a new vaccine to prevent invasive
Haemophilus influenzae type a (Hia) disease in Canadian Indigenous
communities
Supervisor: Dr. Marina Ulanova

May 2015- September 2016

Mitacs Accelerate Research Internship, Lakehead University
Project: Naturally acquired immunity against important bacterial
pathogens in Bruce County First Nations communities
Supervisor: Dr. Marina Ulanova

Undergraduate experience

April 2014- August 2014	Northern Ontario School of Medicine, Lakehead University Summer Research Assistant Project: Naturally occurring bactericidal antibodies specific for <i>Haemophilus influenzae</i> Lipooligosaccharide are present in healthy adult individuals Supervisor: Dr. Marina Ulanova
April 2014- August 2014	Thunder Bay Regional Health Research Institute Summer Research Assistant Project: Theory of Fibrillation of Alzheimer's Peptides Supervisor: Dr. Alla Reznik and Dr. Apichart Linhananta
September 2013- April 2014	Lakehead University, Department of Biology, HBS Sc Honours Thesis Project: The role of LOS of non-encapsulated <i>Haemophilus influenzae</i> in the activation of innate immunity Supervisor: Dr. Marina Ulanova
April 2013- August 2013	Thunder Bay Regional Health Research Institute Summer Research Assistant Project: Enzyme Folding and Activity of RNase A Supervisors: Dr. Alla Reznik and Dr. Apichart Linhananta
April 2012- August 2012	Thunder Bay Regional Health Research Institute Summer Research Assistant Project: 3D Model Simulation of Biomolecular Systems Supervisors: Dr. Alla Reznik and Dr. Apichart Linhananta

AWARDS AND SCHOLARSHIPS

Name	Source	Amount	Duration
Queen Elizabeth II Graduate Scholarships in Science and Technology Program	Lakehead University	15, 000	September 2018- August 2019
Faculty Research Award	Dr. Marina Ulanova	10,000	September 2018- April 2019
Graduate Funding Package	Lakehead University	1,777.71	September 2018- April 2019
Faculty of Graduate Studies Top-up	Lakehead University	2,000	September 2018- April 2019
Graduate Assistantship	Lakehead University	10,983.53	September 2018- April 2019
Faculty Research Award	Dr. Marina Ulanova	6,000	May 2018- August 2018
Graduate Student Poster Conference First Place CIHR category	Lakehead University	100	March 2018
Queen Elizabeth II Graduate Scholarships in Science and Technology Program	Lakehead University	15, 000	September 2017- August 2018
Faculty Research Award	Dr. Marina Ulanova	10,000	September 2017- April 2018
Graduate Funding Package	Lakehead University	2,666	September 2017- April 2018
Faculty of Graduate Studies Top-up	Lakehead University	2,000	September 2017- April 2018
Graduate Assistantship	Lakehead University	10,661	September 2017- April 2018
Ontario Graduate Scholarship	Lakehead University	15, 000	September 2016-August 2017

Vaccinology Student Research Program Travel Bursary	Canadian Association for Immunization Research and Evaluation	1,200	December 2016
Faculty Research Award	Dr. Marina Ulanova	8,000	September 2016- April 2017
Graduate Funding Package	Lakehead University	1,500	September 2016-April 2017
Faculty of Graduate Studies Top-up	Lakehead University	4,000	September 2016-April 2017
Graduate Assistantship	Lakehead University	10,608	September 2016-April 2017
Faculty Research Award	Dr. Marina Ulanova	12,500	May 2016- August 2016
Alumni Association Silver Jubilee Graduate Scholarship	Lakehead University	1,133	January 2016- April 2016
Faculty Research Award	Dr. Marina Ulanova	12,500	May 2015- August 2015
Ontario Graduate Scholarship	Lakehead University	15, 000	September 2015- August 2016
Faculty Research Award	Dr. Marina Ulanova	8,000	September 2015- April 2016
Graduate Assistantship	Lakehead University	10,608	September 2015-April 2016
Graduate Assistantship	Lakehead University	9,489	September 2014-April 2015
Faculty Research Award	Dr. Marina Ulanova	3,000	September 2014-April 2015
Thunder Bay Regional Health Sciences Centre Volunteer Award	TBRHSC Volunteer Association	500	May 2014
Filipino Canadian Friendship Society University Scholarship	Filipino Canadian Friendship Society	100	June 2014
Thunder Bay Regional Health Research Institute Summer School of Medical Imaging Student Presentation Competition Award	Thunder Bay Regional Health Research Institute	250	August 2012
Knights of Columbus University Entrance Scholarship	Knights of Columbus	100	2010
Corpus Christi Parish University Entrance Scholarship	Catholic Women's League	100	2010

CONFERENCES AND PRESENTATIONS

Conferences

October 13-14, 2017

The Northern Health Research Conference

Oral Presentation title: B-cell responses to 13-valent pneumococcal conjugate vaccine in patients with severe chronic kidney disease

December 6-8, 2016

Canadian Immunization Conference

Student poster competition title: B-cell responses to 13-valent pneumococcal conjugate vaccine in patients with severe chronic kidney disease

Presentations

March 9, 2018

North West LHIN Women in Leadership forum

Poster title: B-cell responses to 13-valent pneumococcal conjugate vaccine in patients with severe chronic kidney disease

March 6, 2018	Lakehead University Research and Innovation Week 2018 Graduate Student poster competition title: B-cell responses to 13-valent pneumococcal conjugate vaccine in patients with severe CKD
March 6, 2017	Lakehead University Research and Innovation Week 2017 Graduate Student poster competition title: B-cell responses to 13-valent pneumococcal conjugate vaccine in patients with severe CKD
April 4, 2014	Biology Seminar Series for Honours Thesis Projects Project: The role of LOS of non-encapsulated <i>Haemophilus influenzae</i> in the activation of innate immunity
August 15, 2014	Thunder Bay Regional Health Research Institute Summer School of Medical Imaging Student Presentation Competition Project: Theory of Fibrillation of Alzheimer's Peptides
August 12, 2013	Thunder Bay Regional Health Research Institute Summer School of Medical Imaging Student Presentation Competition Project: Enzyme Folding and Activity of RNase A
March 5, 2013	Lakehead University Research and Innovation Week 2013 poster presentation Project: Enzyme Folding and Activity of RNase A
August 17, 2012	Thunder Bay Regional Health Research Institute Summer School of Medical Imaging Student Presentation Competition Project: 3D Model Simulation of Biomolecular Systems

PUBLICATIONS

Nix, E. B., Choi, J., Anthes, C., **Gaultier, G. N.**, Thorgrimson, J., Cox, A. D., ... & Ulanova, M. (2018). Characterization of natural bactericidal antibody against *Haemophilus influenzae* type a in Canadian First Nations: A Canadian Immunization Research Network (CIRN) Clinical Trials Network (CTN) study. *PLoS one*, 13(8), e0201282.

Gaultier, G. N., Colledanchise, K. N., Alhazmi, A., & Ulanova, M. (2017). The Immunostimulatory Capacity of Nontypeable *Haemophilus influenzae* Lipooligosaccharide. *Pathogens and Immunity*, 2(1), 34-49.

Choi, J., Nix, E. B., **Gaultier, G. N.**, Cox, A. D., McCready, W., & Ulanova, M. (2015). Naturally occurring bactericidal antibodies specific for *Haemophilus influenzae* lipooligosaccharide are present in healthy adult individuals. *Vaccine*, 33(16), 1941-1947.

SUPERVISORY AND TEACHING EXPERIENCE

Supervisory Experience (Under the supervision of Dr. Marina Ulanova)

Student	Training period	Student Role
Student 9	September 2018- present	M.Sc. Biology student
Student 8	May 2018- August 2018	Co-op H.B.Sc. student
Student 7	September 2017- present	Research intern, NSERC USRA, Honours thesis H.B.Sc. student
Student 6	September 2017- present	Honours thesis H.B.Sc. student, NSERC USRA
Student 5	September 2017- April 2018	Recruitment Volunteer, BA student
Student 4	September 2016- August 2017	Research Volunteer and summer research assistant, B.Sc.N. student
Student 3	April 2016- April 2017	Research Volunteer, MD student
Student 2	September 2014- December 2014	Research Volunteer, H.B.Sc. student
Student 1	September 2014- April 2016	Research Intern, NSERC USRA, and H.B.Sc. Honours thesis student

Teaching Experience

Course	Role	Duration
Comparative Animal Physiology BIOL 3250	Lab TA: lab prep, assisting students with lab tasks	September 2018-December 2018
Biochemistry I BIOL-3252	Lab TA: lab prep, assisting students with lab tasks	September 2018-December 2018
Biology of Microorganisms BIOL 2711	Lab TA: lab prep, assisting students with lab tasks, marking	September 2017- December 2017
Comparative Animal Physiology BIOL 3250	Lab TA: lab prep, assisting students with lab tasks	September 2017- December 2017
Genetics BIOL 2171	Lab TA: lab prep, assisting students with lab tasks, marking	January 2016- April 2016
Organ system regulation and operation BIOL 3251	Lab TA: lab prep, assisting students with lab tasks, marking	January 2016- April 2016
Comparative Animal Physiology BIOL 3250	Lab TA: lab prep, assisting students with lab tasks	September 2015- December 2015
Biochemistry I BIOL-3252	Lab TA: lab prep, assisting students with lab tasks, marking	September 2015- December 2015
Organ system regulation and operation BIOL 3251	Lab TA: lab prep, assisting students with lab tasks, marking	January 2015- April 2015
Biochemistry I BIOL-3252	Lab TA: lab prep, assisting students with lab tasks, marking	September 2014- December 2014
Biology of Microorganisms BIOL 2711	Lab TA: lab prep, assisting students with lab tasks, marking	September 2013- December 2013
Genetics BIOL 2171	Course TA: running student tutorials, marking	September 2012- December 2012

ADDITIONAL ACTIVITIES

January 2018- present	Faculty of Graduate Studies Council, Science and Environmental Studies Student Representative
September 2011- present	Filipino Canadian Friendship Society Volunteer
September 2013- present	Northern Ontario School of Medicine Special Events Lab Tour Guide
January 2009- December 2017	Thunder Bay Regional Health Sciences Centre Volunteer
September 2013- May 2015	NOSM Journal Club participant
January 2015, December 2017	Grade 11 and 12 Preview Day, Department of Biology Representative

For list of references, please email gngaulti@lakeheadu.ca