

Natural Sciences and Engineering Research Council of Canada

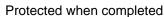
Social Sciences and Humanities Research Council of Canada Instituts de recherche en santé du Canada

Conseil de recherches en sciences naturelles et en génie du Canada

Conseil de recherches en sciences humaines du Canada







Date Submitted: 2014-11-28 10:13:42

Confirmation Number: 320918

Template: CGS-Master's

Mr. Taylor Dunn

Correspondence language: English

Sex: Male

Date of Birth: 1/20

Canadian Residency Status: Canadian Citizen

Country of Citizenship: Canada

Contact Information

The primary information is denoted by (*)

Address

Home (*)

1472 Martello St, Apt 426 Halifax Nova Scotia B3H 4K8 Canada

Telephone

Mobile (*) 902-9402210

Email

Work (*) taylor.dunn@dal.ca



Natural Sciences and Engineering Research Council of Canada

Social Sciences and Humanities Research Council of Canada

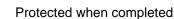
Instituts de recherche en santé du Canada

Conseil de recherches en sciences naturelles et en génie du Canada

Conseil de recherches en sciences humaines du Canada







Mr. Taylor <u>Dunn</u>

Language Skills

Language	Read	Write	Speak	Understand
English	Yes	Yes	Yes	Yes
French	Yes	Yes	Yes	No
Swedish	Yes	Yes	No	No

User Profile

Research Disciplines: Physics, Biology and Related Sciences

Areas of Research: Bacterial Infections, Biological and Biochemical Mechanisms

Fields of Application: Biomedical Aspects of Human Health, Pathogenesis and Treatment of Diseases

Research Specialization Keywords: bacteria, cooperativity, host-pathogen, image segmentation, infection,

invasion, quantitative modelling, Salmonella

Degrees

2009/9 - 2014/5 Bachelor's Honours, Bachelor of Science, Physics, University of Prince Edward Island

Degree Status: Completed

Supervisors: Polson, James

Recognitions

2014/9 - 2016/9 Nova Scotia Graduate Scholarship - 10,000 (Canadian dollar)

Government of Nova Scotia

Prize / Award

2014/5 - 2014/8 Undergraduate Student Research Award (Canadian dollar)

Natural Sciences and Engineering Research Council of Canada (NSERC)

Prize / Award

2013/10 The Robert Haines Memorial Science Award of Merit

University of Prince Edward Island

Prize / Award

2013/5 - 2013/8 Undergraduate Student Research Award

Natural Sciences and Engineering Research Council of Canada (NSERC)

Prize / Award

2013/2 ACEmat Award in Computational Modelling of Materials

The ACEnet Institute for Materials Modeling and Simulation

Prize / Award

2012/10 Deans' Honours List

University of Prince Edward Island

Distinction

2012/7 The City of Charlottetown International Ambassador Award

University of Prince Edward Island

Prize / Award

2012/5 - 2012/8 Undergraduate Student Research Award

Natural Sciences and Engineering Research Council of Canada (NSERC)

Prize / Award

2011/10 Deans' Honours List

University of Prince Edward Island

Distinction

2011/9 Physics Department Prize in Modern Physics

University of Prince Edward Island

Prize / Award

2010/10 Deans' Honours List

University of Prince Edward Island

Distinction

2010/3 Global Issues Excellence in Writing Competition (Winner)

University of Prince Edward Island

Prize / Award

2009/9 University of Prince Edward Island Full Tuition Scholarship

University of Prince Edward Island

Prize / Award

2009/6 High School Chemistry Prize

BioVectra Prize / Award

Employment

2014/9 Teaching Assistant

Dalhousie University

2011/5 - 2014/8 Student Researcher

University of Prince Edward Island

2013/10 - 2014/4 Help Centre Tutor

Mathematics and Statistics, University of Prince Edward Island

2012/1 - 2012/4 Student Marker

University of Prince Edward Island

2011/9 - 2011/12 Help Centre Tutor

Physics, University of Prince Edward Island

2010/9 - 2011/4 Laboratory Assistant

University of Prince Edward Island

2010/9 - 2011/4 UPEI & STEP Tutor

University of Prince Edward Island

2009/8 - 2010/9 Technical Support Representative

Advantage Communications

Research Funding History

Awarded [n=1]

2014/9 - 2016/9 Nova Scotia Graduate Scholarship

Principal Applicant

Funding Sources:

2014/9 - 2016/9 Government of Nova Scotia

Total Funding - 10,000 (Canadian dollar)

Funding Competitive?: Yes

Completed [n=3]

2014/5 - 2014/8 Principal Applicant Undergraduate Student Research Award

Funding Sources:

2014/5 - 2014/8 Natural Sciences and Engineering Research Council of Canada

(NSERC)

Total Funding - 4,500 (Canadian dollar)

Funding Competitive?: Yes

2013/5 - 2013/8 Principal Applicant Undergraduate Student Research Award

Funding Sources:

2013/5 - 2013/8 Natural Sciences and Engineering Research Council of Canada

(NSERC)

Total Funding - 4,500 (Canadian dollar)

Funding Competitive?: Yes

2012/5 - 2012/8 Principal Applicant Undergraduate Student Research Award

Funding Sources:

2012/5 - 2012/8 Natural Sciences and Engineering Research Council of Canada

(NSERC)

Total Funding - 4,500 (Canadian dollar)

Funding Competitive?: Yes

Event Participation

Chair, UPEI Science Undergraduate Research Conference, Conference, 2013-08-23 -

2013-08-23

Ran weekly meeting with council members to plan and organize conference. Also organized a workshop in July for teaching students how to give an effective presentation.

Organizer, UPEI Science Undergraduate Research Conference, Conference,

2012-08-23 - 2012-08-23

Attended weekly meetings with other council members to plan and organize the

conference.

Community and Volunteer Activities

2009/2 Judge, Birchwood Intermediate School

Judged student science projects for the annual science fair.

2008/9 Organizer, Terry Fox Foundation

Helped organize the annual Terry Fox Run at Colonel Grey Senior High.

2013/5 - 2013/8 Chair, UPEI Science Undergraduate Research Conference Council

Lead meetings and organized the 2013 University of Prince Edward Island Science

Undergraduate Research Conference.

2012/5 - 2012/8 Member, UPEI Science Undergraduate Research Conference Council

Helped organize the 2012 University of Prince Edward Island Science Undergraduate

Research Conference.

2008/9 - 2009/6

Member, Students Against Drunk Driving

Helped by organizing and participating in various school events and fundraisers.

Presentations

 (2014). Studying polymer translocation with dissipative particle dynamics. 2014 Atlantic Undergraduate Physics and Astronomy Conference, Halifax, Canada Main Audience: Researcher, Keynote?: No, Competitive?: No

- 2. (2013). Studying polymer translocation with dissipative particle dynamics. The University of Prince Edward Island Science Undergraduate Research Conference 2013, Charlottetown, Canada Main Audience: Knowledge User, Keynote?: No, Competitive?: No
- 3. (2013). Polymer translocation dynamics through a nanopore. 2013 Atlantic Undergraduate Physics and Astronomy Conference, Moncton, Canada Main Audience: Researcher, Keynote?: No, Competitive?: No
- 4. (2012). Polymer translocation dynamics through a nanopore. The University of Prince Edward Island Science Undergraduate Research Conference 2012, Charlottetown, Canada Main Audience: Knowledge User, Keynote?: No, Competitive?: No
- 5. (2011). Conformational correlation times for a tethered polymer. The University of Prince Edward Island Science Undergraduate Research Conference 2011, Charlottetown, Canada Main Audience: Knowledge User, Keynote?: No, Competitive?: No

Text Interviews

2013-03-21

Two UPEI physics students take home honours from the Science Atlantic Undergraduate Physics & Astronomy Conference, University of Prince Edward Island http://news.upei.ca/media/2013/03/21/two-upei-physics-students-take-home-honours-science-atlantic-un

Publications

Journal Articles

1. Polson J, Dunn T (*). (2014). Evaluating the applicability of the Fokker-Planck equation in polymer translocation: A Brownian dynamics study. The Journal of Chemical Physics. 140: 184904.

Co-Author Published Refereed?: Yes

Number of Contributors: 2

Dissertations

1. Studying Polymer Translocation with Dissipative Particle Dynamics and Monte Carlo Simulations. (2014). University of Prince Edward Island. Bachelor's Honours.

Number of Pages: 67 Supervisor: James Polson