

Noushin Nabavi, PhD

DATA SCIENCE FELLOW

Victoria, BC

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Career Highlights

• Results-driven, forward-thinking accomplished Research Scientist • Demonstrated leadership and project management experience in private and public sectors • Skilled quantitative analyst proficient with Python, R and Microsoft Office • Experienced delivery of products including wrangled data, analytics concepts and documentation: from rigorously defensible definitions through to implementation and evaluation • Service-oriented team player dedicated to delivering quality services and gaining the trust of clients and stakeholders

Education

Data Camp

CERTIFICATIONS

- Data Analytics using R

Online

2018-2019

Mitacs Inc.

CERTIFICATIONS

- Project Management and Agile Transformation

University of British Columbia

2017-2019

Yale Centre for Integration of Teaching and Learning

CERTIFICATIONS

- Teaching best practices

Online Summer Institute for Teaching

2018

University of British Columbia

MINI-MBA

- Business Administration for Academics

Vancouver, BC, Canada

2018

University of Toronto

DOCTOR OF PHILOSOPHY

- Cell and Systems Biology

Toronto, ON, Canada

2005-2011

University of Toronto

BACHELOR OF SCIENCE

- Honors in Cell and Molecular Biology

Toronto, ON, Canada

2001-2005

Professional Experience

BC Government

MITACS SCIENCE POLICY FELLOW

- Analyze and communicate complex administrative integrated data for evidence based policy making; Build and strengthen effective stakeholder relationships with ministry clients and contractors; Manage a data science project while developing and implementing timely methodologies and performance metrics

Victoria, BC, Canada

September 2018 - September 2019

University of British Columbia

SENIOR RESEARCH FELLOW

- Assemble and lead an international consortium of scientists for a genomics project, published 5 manuscripts and presented the results in 3 international conferences and 2 local symposia; Analyze and integrate genomics, transcriptomics, and proteomics datasets using R and proprietary software; Wrote and secured a \$275K operating grant from BC Cancer Foundation for next generation sequencing tumor profiling of malignant peritoneal mesothelioma

Vancouver, BC, Canada

February 2015 - February 2018

University of California, San Francisco

POSTDOCTORAL FELLOW

- Design research project and conduct experiments related to liver disease with an expert team of scientists; Analyze experimental data and integrate results to generate presentations and publications; Contribute to securing a \$427K NIH grant

San Francisco, CA, USA

August 2013 - December 2014

University of California, Berkeley

POSTDOCTORAL FELLOW

Berkeley, CA, USA

January 2012 - July 2013

- Implement a reproducible scientific workflow for a project related to aging: designed and carried out experiments with animal models for aging, analyzed results; Manage a research project with graduate students and undergraduate students towards publication in a peer-review journal

University of Toronto

TEACHING ASSISTANT AND RESEARCH CO-SUPERVISOR

September 2005 - December 2011

- Rank the top 10% among departmental teaching assistants for 500+ hours of instruction in introductory biology laboratory, cellular molecular biology, and microbiology; Create and deliver departmental lectures to 500+ students with satisfactory responses from students; Co-supervise 10 undergraduate thesis students on successful thesis projects maintaining 100% retention rate (8 students secured successful science jobs, 2 pursued graduate studie)

Awards & Achievements

AWARDS

2019	Premier's Award in Evidence-Based Design	BC Gov, Finalist
2018-2019	Travel award	Hackseq Genomics Hackathon
2018	Mentorship award	Victoria Health Hackathon
2018	Mitacs Canadian Science Policy Fellowship	Mitacs Inc.
2017	BeHeard CRISPR Technology	Rare Genomics Institute
2016	Amazon Web Services for cloud computing	Amazon
2015	Mitacs Accelerate Fellowship	Mitacs Inc.
2014	Science Teaching Award	American Society for Microbiology
2012	Siebel Stem Cell Fellowship	Siebel Foundation
2010	Graduate Student Research Award	University of Toronto
2009	Graduate Student Research	Natural Science and Engineering Research Council
2008	Women in Science and Mathematics	General Motors of Canada
2006-2007	Travel awards	American Society for Cell Biology

Selected talks

Institute of Public Administration of Canada

HEALING OLD WOUNDS

Victoria, BC, Canada

October 2018

Data Science Community of Practice

REPRODUCIBLE DATA CLEANING WORKFLOW WITH R

Victoria, BC, Canada

May 2019

International Mesothelioma Interest Group

BAP1 CREATES A POTENTIAL THERAPEUTIC VULNERABILITY IN MALIGNANT PERITONEAL MESOTHELIOMA

Ottawa, ON, Canada

May 2018

Vancouver Prostate Centre Friday Seminar

COMPREHENSIVE MOLECULAR CHARACTERIZATION OF PERITONEAL MESOTHELIOMA

Vancouver, BC, Canada

February 2017

UCSF Postdoctoral Symposium

CYTOCHROME P450 DEGRADATION IN HEPATOCYTES AND IMPLICATIONS IN DRUG METABOLISM

San Francisco, CA, USA

June 2014

Berkeley Stem Cell Center Retreat, Fred Farr Forum

SIRT2'S ROLE IN STEM CELL BIOLOGY

Asilomar, CA, USA

April 2012 and 2013