

Noushin Nabavi, PhD

DATA SCIENCE FELLOW

Victoria, BC

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Career Highlights

- Results-driven, forward-thinking, and accomplished research scientist with 4+ years of demonstrated leadership and project management experience in private and public sectors
- Skilled in quantitative data analysis with more than 12+ years experience using Microsoft Office applications and 3+ years using R
- Demonstrated success in designing, conducting, analyzing, and managing research and data science projects
- Service-centric and dedicated to delivering quality services and gaining the trust of clients and stakeholders
- Skilled in creating evaluation methodologies, defining and analyzing success metrics, and product delivery

Education

Data Camp

CERTIFICATIONS

- Data Analytics using R

Online

2018-2019

Mitacs Inc.

CERTIFICATIONS

- Project Management and Agile Transformation

University of British Columbia/ BC

Government

2017-2019

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

- 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

Berkeley, CA, USA

January 2012 - July 2013

- 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

2018	Travel award	<i>Hackseq Genomics Hackathon</i>
2018	Mentorship award	<i>Victoria Health Hackathon</i>
2018	Canadian Science Policy Fellowship	<i>Mitacs Inc.</i>
2017	BeHeard CRISPR Technology	<i>Rare Genomics Institute</i>
2016	Amazon Web Services for cloud computing	<i>Amazon</i>
2015	Mitacs Accelerate Fellowship	<i>Mitacs Inc.</i>
2014	Science Teaching Award	<i>American Society for Microbiology</i>
2012	Siebel Stem Cell Fellowship	<i>Siebel Foundation</i>
2010	Graduate Student Research Award	<i>University of Toronto</i>
2009	Graduate Student Research	<i>Natural Science and Engineering Research Council</i>
2008	Women in Science and Mathematics	<i>General Motors of Canada</i>
2007	Travel award	<i>American Society for Cell Biology</i>
2006	Travel award	<i>Connective Tissue Conference</i>

Selected talks

Institute of Public Administration of Canada

Victoria, BC, Canada

HEALING OLD WOUNDS

October 2018

Data Science Community of Practice

Victoria, BC, Canada

REPRODUCIBLE DATA CLEANING WORKFLOW WITH R

May 2019

International Mesothelioma Interest Group

Ottawa, ON, Canada

BAP1 CREATES A POTENTIAL THERAPEUTIC VULNERABILITY IN MALIGNANT PERITONEAL MESOTHELIOMA

May 2018

Vancouver Prostate Centre Friday Seminar

Vancouver, BC, Canada

COMPREHENSIVE MOLECULAR CHARACTERIZATION OF PERITONEAL MESOTHELIOMA

February 2017

UCSF Postdoctoral Symposium

San Francisco, CA, USA

CYTOCHROME P450 DEGRADATION IN HEPATOCYTES AND IMPLICATIONS IN DRUG METABOLISM

June 2014

Berkeley Stem Cell Center Retreat, Fred Farr Forum

Asilomar, CA, USA

SIRT2'S ROLE IN STEM CELL BIOLOGY

April 2012 and 2013