

Noushin Nabavi, PhD

ECONOMIST

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 Experiences

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

Canadian Mitacs Science Policy Fellowship

UVic/BC MINISTRY OF HEALTH

2019-2020

Victoria, BC

Finalist team for BC Premier's Award in Evidence-Based Design for Children and Youth Mental Health Integrated data project

BC MINISTRY OF CITIZENS' SERVICES

2019

Victoria, BC

Third place for designing prosthetic hand tools at Health and Regenerative Medicine Hackathon (donation of award to Victoria Hand Project)

UNIVERSITY OF VICTORIA

2019

Victoria, BC

People's choice leadership award for Victoria Code.Hack health hackathon at Island Health

VANCOUVER ISLAND HOSPITAL

2019

Victoria, BC

Canadian Mitacs Science Policy Fellowship

UVic/BC MINISTRY OF CITIZENS' SERVICES

2018-2019

Victoria, BC

Travel award to participate and lead an analytics team at hackseq hackathon

UNIVERSITY OF BRITISH COLUMBIA

2018-2019

Vancouver, BC

Travel award to participate at UBC's career panel discussing role of postdocs in industry

UNIVERSITY OF BRITISH COLUMBIA

2018

Vancouver, BC

Health and Regenerative Medicine Hackathon in kind value in mentorship award

UNIVERSITY OF VICTORIA

2018

Victoria, BC

Honorable mention for Brief Policy Pitch for Indigenous reconciliation

INSTITUTE OF PUBLIC ADMINISTRATION

2018

Victoria, BC

Certificate of distinction for completing Summer Institute for Evidence-Based STEM Teaching

THE CIRTL NETWORK

2018

on-line

Entrepreneurship@UBC venture building phase 1

UNIVERSITY OF BRITISH COLUMBIA

March-May 2018

Vancouver, BC

Mitacs Accelerate Postdoctoral Fellowship Award

UNIVERSITY OF BRITISH COLUMBIA

2015-2018

Vancouver, BC

Mini-MBA award, Partnership with Graduate Management Consulting Association UNIVERSITY OF BRITISH COLUMBIA	2018 Vancouver, BC
Rare Genomics Institute's BeHEARD Technology Prize in partnership with Addgene UNIVERSITY OF BRITISH COLUMBIA	2017-2018 Vancouver, BC
Travel award to attend AMERICAN ASSOCIATION OF CANCER RESEARCH CONFERENCE	2017 Washington DC, USA
Amazon Web Services Cloud Research Grant UNIVERSITY OF BRITISH COLUMBIA	2016-2017 Vancouver, BC
Science Teaching Fellowship AMERICAN SOCIETY FOR MICROBIOLOGY	2014-2015 on-line
Siebel Stem Cell Postdoctoral Fellowship UNIVERSITY OF CALIFORNIA BERKELEY	2012-2013 California, USA
Graduate Student Research Award UNIVERSITY OF TORONTO	July 2010 Toronto, ON
Travel Award to attend 15TH CANADIAN CONNECTIVE TISSUE CONFERENCE	July 2009 Calgary, AB
Natural Sciences and Engineering Research Council (NSERC)-CGS UNIVERSITY OF TORONTO	May 2009-2012 Toronto, ON
Ontario Textbook and Technology Grant UNIVERSITY OF TORONTO	December 2008 Toronto, ON
General Motors Women in Science and Mathematics Award UNIVERSITY OF TORONTO	April 2008 Toronto, ON
Travel Award from 14th Canadian Connective Tissue Conference MCGILL UNIVERSITY	June 5-7, 2008 Montreal, QC
Travel Award to attend 47TH AMERICAN SOCIETY FOR CELL BIOLOGY	December 2007 San Diego, CA, USA
Queen Elizabeth II Aiming for the Top Tuition Scholarship UNIVERSITY OF TORONTO	September 2001 Toronto, ON

Invited presentations

BC Quality Forum LONG-TERM IMPACTS OF THE ENHANCED RECOVERY COLLABORATIVE ON COLORECTAL SURGICAL SITE INFECTIONS	on-line February 14, 2021
BC Quality Forum VARIATION IN RATES OF DISPENSING OF OPIOIDS AFTER SURGERY: OPPORTUNITIES FOR THERAPEUTICS STEWARDSHIP	on-line February 13, 2021
Canadian Science Policy Conference ADAPTING TO A NEW NORMAL: THE EFFECT OF COVID-19 ON THE NEXT GENERATION OF SCIENTISTS	on-line November 16-20, 2020

Postdoc Appreciation Week PANDEMICS AND POSTDOCS: COVID SURVEY FINDINGS	<i>on-line</i> September 17, 2020
University of Western Ontario CAPS SURVEY FINDINGS RELATED TO COVID-19 (NATIONAL MEETING ON POSTDOC AFFAIRS)	<i>on-line</i> July 31, 2020
Data and Analytics Conference REPRODUCIBLE ANALYTIC WORKFLOWS IN THE PUBLIC SERVICE	<i>Vancouver, BC</i> February 15, 2020
BC Ministry of Health's Knowledge Exchange Talk Series HEALTH SYSTEMS ADMINISTRATIVE DATA INTEGRATION TO SUPPORT DATA-DRIVEN DECISION MAKING	<i>Victoria, BC</i> January 22, 2020
BC Public Service Agency USING ADMINISTRATIVE DATA TO EVALUATE PROGRAMS AND SERVICES	<i>Victoria, BC</i> January 21, 2020
Academic Health Science Network DELIVERING BUNDLES OF CARE THROUGH DECIPHERING GOVERNMENT PROGRAMS AND SERVICES	<i>Victoria, BC</i> January 20, 2020
Island Health OPEN SOURCE DATA AND DATA SCIENCE TO ENABLE INTEGRATED DATA PROJECTS	<i>Victoria, BC</i> September 2019
University of Victoria IMPLEMENTING REPRODUCIBLE ANALYTIC WORKFLOWS IN THE PUBLIC SERVICE	<i>Victoria, BC</i> August 2019
BCDev Exchange FROM MESSY TO TIDY: REPRODUCIBLE ANALYTIC WORKFLOWS FOR DATA ANALYSIS	<i>Victoria, BC</i> May 2019
Victoria Event Centre HEALING OLD WOUNDS: INSTITUTE OF PUBLIC ADMINISTRATION OF CANADA, POLICY PITCH	<i>Victoria, BC</i> October 2018
American Association of Cancer Research EXPRESSION AND REGULATION OF CHONDROITIN SULFATE IN PROSTATE CANCER	<i>Chicago, IL</i> July 2018
International Mesothelioma Interest Group BAP1 CREATES A POTENTIAL THERAPEUTIC VULNERABILITY IN MALIGNANT PERITONEAL MESOTHELIOMA	<i>Ottawa, ON</i> May 2018
Vancouver Prostate Centre Friday Seminar COMPREHENSIVE MOLECULAR CHARACTERIZATION OF PERITONEAL MESOTHELIOMA	<i>Vancouver, BC</i> February 2017
UCSF Postdoctoral Symposium, Gladstone, UCSF Mission Bay CYTOCHROME P450 DEGRADATION IN HEPATOCYTES AND IMPLICATIONS IN DRUG METABOLISM	<i>San Francisco, CA, USA</i> June 2014
Berkeley Stem Cell Center Retreat, Fred Farr Forum SIRT2'S ROLE IN STEM CELL BIOLOGY	<i>Asilomar, CA, USA</i> April 2012 and 2013
16th Canadian Connective Tissue Conference (CCTC) RAB-3 MEDIATED COLLAGEN TRAFFICKING IN DIFFERENTIATING OSTEOLASTS	<i>Toronto, ON</i> June 3-5, 2010
15th Canadian Connective Tissue Conference (CCTC) DELINEATING COLLAGEN TRAFFICKING PATHWAY IN DIFFERENTIATING OSTEOLASTS	<i>Calgary, AB</i> July 17-18, 2009
14th Canadian Connective Tissue Conference (CCTC) CYTOSKELETON AND ADHESION ALTERATION IN OSTEOLASTS IN MICROGRAVITY ENVIRONMENT	<i>Montreal, QC</i> June 5-7, 2008

14th Canadian Connective Tissue Conference (CCTC)

OSTEOBLAST DIFFERENTIATION IN MICROGRAVITY ENVIRONMENTS

Halifax, NS

June 5-7, 2007

13th Canadian Connective Tissue Conference (CCTC)

LYSOSOME DISPERSION IN OSTEOBLASTS ACCOMMODATES ENHANCED COLLAGEN PRODUCTION DURING DIFFERENTIATION

Toronto, ON

May 24-26, 2006

Academic services

Advisor on scientific methodology and merit

EXPERT ASSESSMENT OF APPLICATIONS

- Treasury Board of Canada Secretariat, Government of Canada

2020-2021

on-line

Canadian Association of Postdoctoral Scholars (CAPS)

VICE CHAIR OF SURVEY AND DATA

- Develop analytics, methodologies, and partnerships

2020

on-line

Adjudication committee at Mitacs Inc.

FELLOWSHIP ADJUDICATOR

- Evaluate Canadian Science Policy Fellowship applications

2020

on-line

Canadian Science Policy Centre (CSPC)

EVALUATION AND PROGRAM COMMITTEE MEMBER

- Analyze and report conference survey data

2019-2020

on-line

Canadian Association of Postdoctoral Scholars (CAPS)

VICE CHAIR OF CAREER DEVELOPMENT

- Develop career development strategies for Canadian postdocs, and organization of annual general meeting

2019

Dalhousie University, Halifax, NS

Chief Information Officer BC Connect Conference

PARTICIPANT AND SESSION FACILITATOR

- Organize & facilitate conference

2019

Victoria, BC

Policy Community of Practice, Making it Real; putting policy into practice conference

FACILITATOR

- Organize & facilitate the conference

2019

Marriott Hotel Inner Harbour, Victoria, BC

Institute of Public Administration, New Professionals (IPAC-NP)

DATA AND PRIVACY ANALYST

- Develop analytics and reports for organization

2018-2020

Victoria, BC

Hackseq hackathon

ORGANIZING COMMITTEE AND TEAM LEAD

- Manage social media posts and lead teams

2018-2019

University of British Columbia,

Vancouver, BC

Science Outreach & Mentorship

CAREER PANEL PARTICIPANT

- Explore role of postdocs in academia and industry

2018

University of British Columbia,

Vancouver, BC

Covid-19 hackathon at Devpost

LEAD DATA SCIENTIST

- Build for covid, and Biohackathon

2020

on-line

Canada Learning Code

PARTICIPANT

- Support implementing programming lessons

2015-2020

Vancouver/Victoria, BC

Victoria Health Hackathon

MENTOR

- Design and lead hackathon project

2018

Victoria, BC

3-Minute Thesis presentation

CONTESTANT

- Present research project

2016

University of British Columbia,

Vancouver, BC

Phillip and Sala Burton Academic High School

SCIENCE MENTOR

- Develop project design and mentor

2014
San Francisco, CA

City College of San Francisco' Biotechnology Program

INSTRUCTOR AND CURRICULUM DEVELOPMENT

- Develop course curriculum and teach

2013-2014
San Francisco, CA

Cybell Biosciences

CO-FOUNDER & CONSULTANT

- Consult business strategies

2013-2014
San Francisco, CA

Onestart America Lean Launchpad

COMPETITOR

- Consult business strategies

2013
San Francisco, CA

UCSF Mission Bay consulting club

PARTICIPANT

- Develop consultation scenarios

2012
San Francisco, CA

University of Toronto (GSAS)

GRADUATE STUDENT ASSOCIATION CO-PRESIDENT

- Organize and lead chapter activities at the University of Toronto Scarborough

2007
Toronto, ON

Let's Talk Science (LTS)

VOLUNTEER MEMBER

- Design, setup, and perform experiments with students

2006-2011
Toronto, ON

Landmark Education

COACH & MENTOR

- Coached 5 participants in the course

2006-2009
Toronto, ON

The Debating Club at University of Toronto Scarborough

CO-FOUNDER

- Co-found the club and organize events

2003-2005
Toronto, ON

BestBuddies

VOLUNTEER MEMBER

- Create friendships and teach leadership development

2001-2005
Toronto, ON