

Noushin Nabavi, PhD

ECONOMIST

Victoria, BC

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Career Highlights

- Skilled in teaching and learning workshops through facilitation and moderation
- Results-driven, forward-thinking accomplished Research Scientist
- Demonstrated leadership and project management experience in private and public sectors
- Skilled quantitative analyst proficient with SQL, R and Microsoft Office
- Experienced in presentation of reports and products including wrangled data, analytics concepts and documentation from rigorously defensible definitions 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 Ministry of Health

HEALTH ECONOMIST

- Develop reproducible analytics workflows at the pharmaceutical analytics unit; generate budget impact analyses and reports for new provincial product agreements; optimize provincial laboratory testing datasets for wider research use

Victoria, BC, Canada

December 2020 - Present

BC Ministry of Health

MITACS SCIENCE POLICY AND DATA SCIENCE FELLOW

- Integrate and link health administrative datasets to inform evidence-based policy making; generate reproducible data analytics workflows; report analytic-ready objects to BC Chair for patient safety and quality council

Victoria, BC, Canada

September 2019 - November 2020

BC Ministry of Citizens' Services

MITACS SCIENCE POLICY AND DATA SCIENCE 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

Vancouver, BC, Canada

SENIOR RESEARCH FELLOW

February 2015 - February 2018

- 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

University of California, San Francisco

San Francisco, CA, USA

POSTDOCTORAL FELLOW

August 2013 - December 2014

- 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

University of California, Berkeley

Berkeley, CA, USA

POSTDOCTORAL FELLOW

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

Toronto, ON, Canada

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 studies)

Awards & Achievements

AWARDS

Canadian Mitacs Science Policy Fellowship

2019-2020

UVic/BC MINISTRY OF HEALTH

Victoria, BC

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

2019

BC MINISTRY OF CITIZENS' SERVICES

Victoria, BC

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

2019

UNIVERSITY OF VICTORIA

Victoria, BC

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

2019

VANCOUVER ISLAND HOSPITAL

Victoria, BC

Canadian Mitacs Science Policy Fellowship

2018-2019

UVic/BC MINISTRY OF CITIZENS' SERVICES

Victoria, BC

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

2018-2019

UNIVERSITY OF BRITISH COLUMBIA

Vancouver, BC

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

2018

UNIVERSITY OF BRITISH COLUMBIA

Vancouver, BC

Health and Regenerative Medicine Hackathon in kind value in mentorship award

2018

UNIVERSITY OF VICTORIA

Victoria, BC

Honorable mention for Brief Policy Pitch for Indigenous reconciliation

2018

INSTITUTE OF PUBLIC ADMINISTRATION

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	<i>on-line</i>
LONG-TERM IMPACTS OF THE ENHANCED RECOVERY COLLABORATIVE ON COLORECTAL SURGICAL SITE INFECTIONS	February 14, 2021
BC Quality Forum	<i>on-line</i>
VARIATION IN RATES OF DISPENSING OF OPIOIDS AFTER SURGERY: OPPORTUNITIES FOR THERAPEUTICS STEWARDSHIP	February 13, 2021
Canadian Science Policy Conference	<i>on-line</i>
ADAPTING TO A NEW NORMAL: THE EFFECT OF COVID-19 ON THE NEXT GENERATION OF SCIENTISTS	November 16-20, 2020
Postdoc Appreciation Week	<i>on-line</i>
PANDEMICS AND POSTDOCS: COVID SURVEY FINDINGS	September 17, 2020
University of Western Ontario	<i>on-line</i>
CAPS SURVEY FINDINGS RELATED TO COVID-19 (NATIONAL MEETING ON POSTDOC AFFAIRS)	July 31, 2020
Data and Analytics Conference	<i>Vancouver, BC</i>
REPRODUCIBLE ANALYTIC WORKFLOWS IN THE PUBLIC SERVICE	February 15, 2020
BC Ministry of Health's Knowledge Exchange Talk Series	<i>Victoria, BC</i>
HEALTH SYSTEMS ADMINISTRATIVE DATA INTEGRATION TO SUPPORT DATA-DRIVEN DECISION MAKING	January 22, 2020
BC Public Service Agency	<i>Victoria, BC</i>
USING ADMINISTRATIVE DATA TO EVALUATE PROGRAMS AND SERVICES	January 21, 2020
Academic Health Science Network	<i>Victoria, BC</i>
DELIVERING BUNDLES OF CARE THROUGH DECIPHERING GOVERNMENT PROGRAMS AND SERVICES	January 20, 2020
Island Health	<i>Victoria, BC</i>
OPEN SOURCE DATA AND DATA SCIENCE TO ENABLE INTEGRATED DATA PROJECTS	September 2019
University of Victoria	<i>Victoria, BC</i>
IMPLEMENTING REPRODUCIBLE ANALYTIC WORKFLOWS IN THE PUBLIC SERVICE	August 2019
BCDev Exchange	<i>Victoria, BC</i>
FROM MESSY TO TIDY: REPRODUCIBLE ANALYTIC WORKFLOWS FOR DATA ANALYSIS	May 2019
Victoria Event Centre	<i>Victoria, BC</i>
HEALING OLD WOUNDS: INSTITUTE OF PUBLIC ADMINISTRATION OF CANADA, POLICY PITCH	October 2018
American Association of Cancer Research	<i>Chicago, IL</i>
EXPRESSION AND REGULATION OF CHONDROITIN SULFATE IN PROSTATE CANCER	July 2018
International Mesothelioma Interest Group	<i>Ottawa, ON</i>
BAP1 CREATES A POTENTIAL THERAPEUTIC VULNERABILITY IN MALIGNANT PERITONEAL MESOTHELIOMA	May 2018
Vancouver Prostate Centre Friday Seminar	<i>Vancouver, BC</i>
COMPREHENSIVE MOLECULAR CHARACTERIZATION OF PERITONEAL MESOTHELIOMA	February 2017
UCSF Postdoctoral Symposium, Gladstone, UCSF Mission Bay	<i>San Francisco, CA, USA</i>
CYTOCHROME P450 DEGRADATION IN HEPATOCYTES AND IMPLICATIONS IN DRUG METABOLISM	June 2014
Berkeley Stem Cell Center Retreat, Fred Farr Forum	<i>Asilomar, CA, USA</i>
SIRT2'S ROLE IN STEM CELL BIOLOGY	April 2012 and 2013

16th Canadian Connective Tissue Conference (CCTC)

RAB-3 MEDIATED COLLAGEN TRAFFICKING IN DIFFERENTIATING OSTEOBLASTS

Toronto, ON

June 3-5, 2010

15th Canadian Connective Tissue Conference (CCTC)

DELINEATING COLLAGEN TRAFFICKING PATHWAY IN DIFFERENTIATING OSTEOBLASTS

Calgary, AB

July 17-18, 2009

14th Canadian Connective Tissue Conference (CCTC)

CYTOSKELETON AND ADHESION ALTERATION IN OSTEOBLASTS IN MICROGRAVITY ENVIRONMENT

Montreal, QC

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	2015-2020
PARTICIPANT	Vancouver/Victoria, BC
• Support implementing programming lessons	
Victoria Health Hackathon	2018
MENTOR	Victoria, BC
• Design and lead hackathon project	
3-Minute Thesis presentation	2016
CONTESTANT	University of British Columbia, Vancouver, BC
• Present research project	
Phillip and Sala Burton Academic High School	2014
SCIENCE MENTOR	San Francisco, CA
• Develop project design and mentor	
City College of San Francisco' Biotechnology Program	2013-2014
INSTRUCTOR AND CURRICULUM DEVELOPMENT	San Francisco, CA
• Develop course curriculum and teach	
Cybelle Biosciences	2013-2014
CO-FOUNDER & CONSULTANT	San Francisco, CA
• Consult business strategies	
Onestart America Lean Launchpad	2013
COMPETITOR	San Francisco, CA
• Consult business strategies	
UCSF Mission Bay consulting club	2012
PARTICIPANT	San Francisco, CA
• Develop consultation scenarios	
University of Toronto (GSAS)	2007
GRADUATE STUDENT ASSOCIATION CO-PRESIDENT	Toronto, ON
• Organize and lead chapter activities at the University of Toronto Scarborough	
Let's Talk Science (LTS)	2006-2011
VOLUNTEER MEMBER	Toronto, ON
• Design, setup, and perform experiments with students	
Landmark Education	2006-2009
COACH & MENTOR	Toronto, ON
• Coached 5 participants in the course	
The Debating Club at University of Toronto Scarborough	2003-2005
CO-FOUNDER	Toronto, ON
• Co-found the club and organize events	
BestBuddies	2001-2005
VOLUNTEER MEMBER	Toronto, ON
• Create friendships and teach leadership development	

Publications

- Shrestha, R., Nabavi, N., Volik, S., Anderson, S., Haegert, A., McConeghy, B., Sar, F., Brahmabhatt, S., Bell, R., Le Bihan, S., & others. (2020). Well-differentiated papillary mesothelioma of the peritoneum is genetically distinct from malignant mesothelioma [na.character]. *Cancers*, 12(6), 1568.
- Ashrafizadeh, M., Hushmandi, K., Rahmani Moghadam, E., Zarrin, V., Hosseinzadeh Kashani, S., Bokaie, S., Najafi, M., Tavakol, S., Mohammadinejad, R., Nabavi, N., & others. (2020). Progress in delivery of siRNA-based therapeutics employing nano-vehicles for treatment of prostate cancer [na.character]. *Bioengineering*, 7(3), 91.
- Shrestha, R., Nabavi, N., Lin, Y.-Y., Mo, F., Anderson, S., Volik, S., Adomat, H. H., Lin, D., Xue, H., Dong, X., & others. (2019). BAP1 haploinsufficiency predicts a distinct immunogenic class of malignant peritoneal mesothelioma [na.character]. *Genome Medicine*, 11(1), 1–12.

4. Qu, S., Xue, H., Dong, X., Lin, D., Wu, R., Nabavi, N., Collins, C. C., Gleave, M. E., Gout, P. W., & Wang, Y. (2018). Aneustat (OMN54) has aerobic glycolysis-inhibitory activity and also immunomodulatory activity as indicated by a first-generation PDX prostate cancer model [na.character]. *International Journal of Cancer*, 143(2), 419–429.
5. Ramnarine, V. R., Alshalalfa, M., Mo, F., Nabavi, N., Erho, N., Takhar, M., Shukin, R., Brahmbhatt, S., Gawronski, A., Kobelev, M., & others. (2018). The long noncoding RNA landscape of neuroendocrine prostate cancer and its clinical implications [na.character]. *GigaScience*, 7(6), giy050.
6. Nabavi, N., Wei, J., Lin, D., Collins, C. C., Gout, P. W., & Wang, Y. (2018). Pre-clinical models for malignant mesothelioma research: From chemical-induced to patient-derived cancer xenografts [na.character]. *Frontiers in Genetics*, 9(na.character), 232.
7. Choi, S. Y. C., Ettinger, S. L., Lin, D., Xue, H., Ci, X., Nabavi, N., Bell, R. H., Mo, F., Gout, P. W., Fleshner, N. E., & others. (2018). Targeting MCT 4 to reduce lactic acid secretion and glycolysis for treatment of neuroendocrine prostate cancer [na.character]. *Cancer Medicine*, 7(7), 3385–3392.
8. Al Nakouzi, N., Wang, C. K., Nelepku, I., Crouzit, C., Nabavi, N., Almami, A., Oo, H. Z., Clausen, T. M., Gustavsson, T., Salanti, A., & others. (2018). Expression and regulation of chondroitin sulfate in prostate cancer [na.character]. In *na.character: Vol.na.character* (Issue.na.character, p.na.character). American Association for Cancer Research.
9. Shrestha, R., Nabavi, N., Lin, Y.-Y., Mo, F., Anderson, S., Volik, S., Adomat, H. H., Lin, D., Xue, H., Dong, X., & others. (2018). Integrated multi-omics molecular subtyping predicts therapeutic vulnerability in malignant peritoneal mesothelioma [na.character]. *bioRxiv.na.character*(na.character), 243477.
10. Lin, D., Ettinger, S. L., Qu, S., Xue, H., Nabavi, N., Choi, S. Y. C., Bell, R. H., Mo, F., Haegert, A. M., Gout, P. W., & others. (2017). Metabolic heterogeneity signature of primary treatment-naïve prostate cancer [na.character]. *Oncotarget*, 8(16), 25928.
11. Nabavi, N., Saidy, N. R. N., Venalainen, E., Haegert, A., Parolia, A., Xue, H., Wang, Y., Wu, R., Dong, X., Collins, C., & others. (2017). miR-100-5p inhibition induces apoptosis in dormant prostate cancer cells and prevents the emergence of castration-resistant prostate cancer [na.character]. *Scientific Reports*, 7(1), 1–10.
12. Nabavi, N., Roberts, M. E., Crea, F., Collins, C. C., Wang, Y., & Bishop, J. L. (2017). Immuno-oncology of dormant tumours [na.character]. In *Tumor dormancy and recurrence: Vol.na.character* (Issue.na.character, pp. 51–60). Humana Press, Cham.
13. Noushin Nabavi, F. C., Susan L. Ettinger. (2017). Biological and clinical evidence for metabolic dormancy in solid tumors post therapy [na.character]. In *Tumor dormancy and recurrence* (Vol. 1, Issue.na.character, pp. Pages–17). Springer International Publishing AG.
14. Nabavi, N., Bennewith, K. L., Churg, A., Wang, Y., Collins, C. C., & Mutti, L. (2016). Switching off malignant mesothelioma: Exploiting the hypoxic microenvironment [na.character]. *Genes & Cancer*, 7(11-12), 340.
15. Kim, S.-M., Wang, Y., Nabavi, N., Liu, Y., & Correia, M. A. (2016). Hepatic cytochromes P450: Structural deignons and barcodes, posttranslational modifications and cellular adapters in the ERAD-endgame [na.character]. *Drug Metabolism Reviews*, 48(3), 405–433.
16. Nabavi, N. (2015). Organelles enter the game of aging related aggregation and retention of misfolded proteins [na.character]. *Journal of Postdoctoral Research February*, 31(na.character), 32.
17. Nabavi, N. (2014). Protein turnover: To self-eat or not to self-eat, that's the question. [na.character]. *Journal of Postdoctoral Research January*, 39(na.character), 46.
18. Nabavi, N. (2014). YAP/TAZ join the play with β -catenin to orchestrate wnt signaling [na.character]. *Journal of Postdoctoral Research November*, 31(na.character), 34.
19. Nabavi, N. (2014). Can aging be reversed? [na.character]. *Journal of Postdoctoral Research*, 28(na.character), 32.
20. Nabavi, N. (2014). Cancer-associated PTEN: Structural and functional characterization [na.character]. *Cancer*, 2(7).na.character.
21. Pustylnik, S., Fiorino, C., Nabavi, N., Zappitelli, T., Silva, R. da, Aubin, J. E., & Harrison, R. E. (2013). EB1 levels are elevated in ascorbic acid (AA)-stimulated osteoblasts and mediate cell-cell adhesion-induced osteoblast differentiation [na.character]. *Journal of Biological Chemistry*, 288(30), 22096–22110.

22. Durand, M., Komarova, S. V., Bhargava, A., Trebec-Reynolds, D. P., Li, K., Fiorino, C., Maria, O., Nabavi, N., Manolson, M. F., Harrison, R. E., & others. (2013). Monocytes from patients with osteoarthritis display increased osteoclastogenesis and bone resorption: The in vitro osteoclast differentiation in arthritis study [na.character]. *Arthritis & Rheumatism*, 65(1), 148–158.
23. Shin, J., He, M., Liu, Y., Paredes, S., Villanova, L., Brown, K., Qiu, X., Nabavi, N., Mohrin, M., Wojnoonski, K., & others. (2013). SIRT7 represses myc activity to suppress ER stress and prevent fatty liver disease [na.character]. *Cell Reports*, 5(3), 654–665.
24. Nabavi, N., Pustynnik, S., & Harrison, R. E. (2012). Rab GTPase mediated procollagen trafficking in ascorbic acid stimulated osteoblasts [na.character]. *PloS One*, 7(9), e46265.
25. Nabavi, N. (2012). Mobilization of procollagen and lysosomes during osteoblast stimulation with ascorbic acid [PhD thesis]. In *na.character: Vol.na.character* (Issue.na.character, p.na.character).na.character.
26. Durand, M., Komarova, S. V., Bhargava, A., Li, K., Fiorino, C., Maria, O., Nabavi, N., Manolson, M., Harrison, R., Dixon, S. J., & others. (2012). Durand et al 2012 supplemental figures [na.character]. *Arthritis & Rheumatism.na.character*(.na.character).na.character.
27. Komarova, S. V., Bhargava, A., Li, K., Fiorino, C., Maria, O., Nabavi, N., Manolson, M., Harrison, R., Dixon, S. J., Sims, S., & others. (2012). Durand et al 2012 supplemental figures [na.character].*na.character.na.character*(.na.character).na.character.
28. Nabavi, N., Khandani, A., Camirand, A., & Harrison, R. E. (2011). Effects of microgravity on osteoclast bone resorption and osteoblast cytoskeletal organization and adhesion [na.character]. *Bone*, 49(5), 965–974.
29. Durand, M., Boire, G., Komarova, S., Dixon, S., Sims, S., Harrison, R., Nabavi, no, Maria, O., Manolson, M., Mizianty, M., & others. (2011). The increased in vitro osteoclastogenesis in patients with rheumatoid arthritis is due to increased percentage of precursors and decreased apoptosis—the in vitro osteoclast differentiation in arthritis (IODA) study [na.character]. *Bone*, 48(3), 588–596.
30. Pustynnik, S., Nabavi, no, & Harrison, R. (2011). Role the microtubule (+)-end binding protein EB1 in differentiating osteoblasts. [na.character]. *MOLECULAR BIOLOGY OF THE CELL*, 22(.na.character).na.character.
31. Hassanzadeh, A., Nitsche, M., Armstrong, S., Nabavi, N., Harrison, R., Dixon, S. J., Langbein, U., & Mittler, S. (2010). Optical waveguides formed by silver ion exchange in schott SG11 glass for waveguide evanescent field fluorescence microscopy: Evanescent images of HEK293 cells [na.character]. *Journal of Biomedical Optics*, 15(3), 036018.
32. Nabavi, N., Urukova, Y., Cardelli, M., Aubin, J. E., & Harrison, R. E. (2008). Lysosome dispersion in osteoblasts accommodates enhanced collagen production during differentiation [na.character]. *Journal of Biological Chemistry*, 283(28), 19678–19690.
33. Nabavi, no. (2008). Deciphering the cellular defects of osteoblasts in microgravity [na.character]. *JOURNAL OF BONE AND MINERAL RESEARCH*, 23(.na.character), S137–S137.
34. Nabavi, N., Saidy, N. R. N., Venalainen, E., Haegert, A., Parolia, A., Xue, H., Wang, Y., Wu, R., Dong, X., Collins, C., & others. (n.d.). Supplementary figure S1.(a) characterization [na.character].*na.character.na.character*(.na.character).na.character.
35. McGuirk, S., Sultmanis, S., Westwood, A. R., Woolfson, K. N., & Nabavi, N. (n.d.). The frontiers of DNA regulation: Developing a national policy framework encouraging transparency, security, and cost-efficiency of genetic technology and data [na.character].*na.character.na.character*(.na.character).na.character.
36. McGuirk, S., Sultmanis, S., Westwood, A. R., Woolfson, K. N., & Nabavi, N. (n.d.). Policy memo: The frontiers of DNA regulation: Developing a national policy framework encouraging transparency, security, and cost-efficiency of genetic technology and data [na.character].*na.character.na.character*(.na.character).na.character.
37. Gárate, D., Rojas-Colonelli, N., Pena, C., Salazar, L., Abello, P., Pesce, B., Aravena, O., Garcia-González, P., Ribeiro, C. H., Molina, M. C., & others. (n.d.). Experimental arthritis [na.character].*na.character.na.character*(.na.character).na.character.
38. Mirzaei, S., Gholami, M. H., Mahabady, M. K., Nabavi, N., Zabolian, A., Banihashemi, S. M., Haddadi, A., Entezari, M., Hushmandi, K., Makvandi, P., & others. (n.d.). Pre-clinical investigation of STAT3 pathway in bladder cancer: Paving the way for clinical translation [na.character]. *Biomedicine & Pharmacotherapy*, 133(.na.character), 111077.