



MONICA GRANADOS, PHD

Food web ecologist, science communicator and policy analyst

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PROFESSIONAL HISTORY

- 2018-Present **Mitacs Canadian Science Policy Fellow, Environment and Climate Change Canada**
Highlights: Facilitate and plan public engagement sessions, translate complex scientific information for briefing materials, create graphic visuals on science policy, support the implementation of open science, deliver training workshops to scientists
- 2018-Present **Leadership Team, PREREVIEW**
Highlights: Co-lead the development of a platform to facilitate open peer review, developing a mentoring program to teach the fundamentals of peer review, lead community engagement
- 2016-Present **Scientific data analysis consultant, Various federal and municipal departments**
Highlights: Developed reproducible code to assess restoration projects, liaised with stakeholders, communicated results through interactive web visuals
- 2016- 2018 **Postdoctoral fellow, University of Guelph and Wildlife Conservation Society Canada**
Highlights: Developed early warning indicator tools for freshwater monitoring in Ontario's Far North, developed mobile app to facilitate access to fish consumption guidelines
- 2015-2015 **Customer service representative and workshop instructor, Lego Canada**
Highlights: Provided customers information and play activities, delivered Lego building workshops

TEACHING

- 2016-Present Open science and reproducibility workshops, *Quebec Center for Biodiversity Science, R Ladies*,
2016-Present Improvisation for science communication, *WCS Canada, BES CREATE Program, Environment Canada, Girls for Innovation, Research, Leadership & Science Camp*
- 2014-2017 Data analysis/visualization workshop designer and presenter, *Quebec Centre for Biodiversity Science*
- 2012-2013 First-year biology laboratory developer, *McGill University*
- 2010-2015 Teaching assistant, *McGill University*
- 2008-2010 Teaching assistant, *University of Toronto*

EDUCATION

- 2010-2016 PhD, Department of Biology, *McGill University*
- 2008-2010 MSc, Department of Ecology and Evolutionary Biology, *University of Toronto*
- 2001-2006 BSc, Department of Zoology, *University of Toronto*

PUBLICATIONS

I have published nine papers in peer reviewed journals in top tier journals including Nature Ecology Evolution and Frontiers in Ecology and Evolution. A complete list can be found here:

<http://www.monicagranados.com/publications/>

I have also a policy paper in the National Observer and submitted two discussion papers to the Government of Canada.

GRANTS AND FELLOWSHIPS

Frictionless Data Reproducible Research Fellowship (2019), Wellcome Trust Research Enrichment - Diversity and Inclusion (2019), Sloan Foundation Grant (2018), Wellcome Trust Open Research Fund (2018), Mitacs Canadian Science Policy Fellowship (2018), Bourse postdoctorale, Fonds de recherche du Québec nature et technologies (2017), Elevate Postdoctoral Fellowship, Mitacs-Canada (2016), Centre for Applied Mathematics in Biosciences and Medicine Fellowship (2013), Quebec Center for Biodiversity Science Excellence Award (2012)

AWARDS AND HONOURS

Emerging Open Scholarship Award Honorable Mention (2019), OpenCon scholarship (2018), Mozilla Open Science Lab Open Science Lead (2016), McGill Biology Department student seminar speaker (2015), Innocentive Visualizing Nutrients Challenge Runner-up (2015), Ecological Society of America EcoService Award (2012), BIO150 Outstanding Teaching Assistant Award (2008)

OUTREACH

Canadian Open Data Summit Board of Directors (2019-Present), Science Communicator, *Skype a Scientist* (2017-Present), Science Communicator, *Idea Mosaic* (2017-Present), Mentor, *Mozilla Open Science Lab* (2017–Present), Open Science officer, *Ecological Society of America* (2016-Present), Open Lead, *Mozilla Open Science Lab* (2016-2017); Mentor, *Letters to a pre-scientist* (2015-Present); Founder, *descienceblog.tumblr.com* (2015-Present); Organizer, *QCBS Research Derby* (2015-2016); Organizer, *Data for Good Montreal* (2014-2015); Workshop designer, *Action Potential Lab* (2014-2018); Badging program co-developer, *National Center for Ecological Analysis and Synthesis* (2014); Graphic designer, *Eco-quartier NDG* (2014); Science consultant; *Éclairs de sciences* (2013-2014), Statistics consultant; *Ontario Streams* (2010-2013); Biologist, *Citizen Scientists* (2008-2009); Presenter, *Toronto Region Conservation Authority* (2008-2010); Student ambassador, *Toronto Zoo* (2008)

MEDIA

“Science Disrupt: Innovator Stories – Episode 3” Science Disrupt Podcast. June 2019.

<https://tinyurl.com/y2h9kfy5>

“Working in the open and using it to do public good” Colper Science Podcast. July 2017.

<https://tinyurl.com/ybzacgma>

“Citizen science.” Discover Magazine. October 2014. <https://tinyurl.com/y7h4omqv>

“How do Zebras get their stripes?” mental_floss. October 2012. <https://tinyurl.com/ya621fxd>

WORKSHOPS AND PRESENTATIONS

Competitive selection workshops: SPE Science Diplomacy Workshop (2018), Science Outside the Lab North (2017), Mozilla Working in the Open Workshop (2017), National Institute for Mathematical and Biological Synthesis Current Issues in Ecological Statistics Workshop (2015), Ecological Society of America Earth Stewardship Initiative Fellow (2014), National Center for Ecological Synthesis and Analysis Open Science for Synthesis (2014), Mathematical Biosciences Institute Summer Graduate Program (2011)

Invited lectures: University of Delaware (2018), McGill University (2015), Carlton University (2011)

Guest lectures: Introduction to aquatic environments, University of Guelph (2017), Advances in aquatic ecology, McGill University (2015)

Oral and/or poster presentations contributed: North American Congress for Conservation Biology (2018), Ecological Society of America (2012, 2014, 2017), Conference on Great Lakes Research (2009, 2010), Canadian Society for Ecology and Evolution (2010, 2014)

CERTIFICATIONS

Secret security clearance