CURRENT ROLES

Postdoctoral Fellow (since 2019)
Dept. of Biology, Wilfrid Laurier University

Editor (since 2020)
Massive Science

Science Writer (since 2017)
Freelance

EDUCATION

PhD in Biology, McMaster University (2019); BSc in Biology, McMaster University (2013)

RESEARCH

Research interests
https://www.bgborowiec.com/published-work

Peer-reviewed publications
https://www.bgborowiec.com/research

PRESENTATIONS

Recent conference presentations

B.G. Borowiec. "Going from scientist to science writer" SETAC Annual Meeting. Toronto, ON.

B.G. Borowiec, G.B. McClelland, and G.R. Scott. 2019. Intermittent hypoxia is a unique challenge that elicits unique coping mechanisms in killifish. ICCPB. Ottawa, ON.

B.G. Borowiec, G.B. McClelland, and G.R. Scott. 2019. Intermittent hypoxia is a unique challenge that elicits unique coping mechanisms in killifish. CSZ Annual Meeting. Windsor, ON.

B.G. Borowiec, R.D. Hoffman, C.D. Hess, G.B. McClelland, F. Galvez, and G. Scott. 2018. Plasticity & evolution of hypoxia tolerance in Fundulidae killifish. APS Intersociety Meeting. New Orleans, LA.

B.G. Borowiec and G.R. Scott. 2018. Effects of hypoxia and reoxygenation on ROS homeostasis and oxidative stress in killifish (*Fundulus heteroclitus*). 13th ICBF. Calgary, AB.

Invited talks: "Science writing 101," University of Guelph (2020); "Animals in a changing world as a scientist and science writer," Redeemer University College (2019); "Advanced techniques in popular science writing," McMaster University (2019); "Responses of *Fundulus* killifish to intermittent hypoxia," University of Guelph (2019)

SCIENCE WRITING, EDITING, & SCIENCE COMMUNICATION

View my portfolio: *https://www.bgborowiec.com/portfolio*

Award-winning pieces:
https://www.bgborowiec.com/science-writing-awards

Syndicated pieces:
https://www.bgborowiec.com/syndication

Editing
Editor, *Massive Science* (since 2020)
Assistant Editor, *Massive Science* (2019 - 2020)

Writing
Freelance science writer (since 2017)
Contributor, *Conservation Physiology in Action* (since 2020)
Contributor, *Canadian Science Publishing* blog (since 2019)
Script Writer, *PBS Eons* (since 2019)
Contributor, *Outside JEB* (since 2018)
Consortium member, *Massive Science* (since 2017)
Author, *Did You Know?* series, Plympton, Inc. (2017 - 2019)
Contributor, *Oceanbites* (2015 - 2017)

TEACHING

Teaching positions: Graduate Teaching Assistant, Dept. of Biology, McMaster University (2013 - 2018); Undergraduate Teaching Assistant, Dept. of Biology, McMaster University (2012)

Guest lectures (McMaster University): "Advanced popular science writing" (2019); "Writing about science for kids" (2019); "Advanced popular science writing" (2018); "Let's write about science" (2018); "Physiology of killifish acclimated to intermittent hypoxia" (2018, '17, '16, '15)

SELECT SERVICE & OUTREACH ACTIVITIES

Session Chair	Comparative Physiology and Biochemistry Workshop (2020)
Peer reviewer	*Am. J. Physiol. Regul. Integ. Comp. Physiol.* (1), *J. Fish Biol.* (1)
Marking director	McMaster Water Network Student Chapter (2016 – 2018)
Organizer	McMaster Biology Graduate Research Day Organizer (2016 – 2018)
Judge	McMaster Biology Undergraduate Symposium (2013 – 2018)

WORKSHOPS, COURSES, CERTIFICATES

Instructional Skills Workshop (2020); ComSciCon Canada (2019); Projected Futures 2: Science Journalism Workshop (2018); Certificate in Storytelling from *Massive Science* (2017); Acid-base & Ion Regulation in a Hypercapnic World (2016); Techniques in Aquatic Respiration (2014)

SCHOLARSHIPS, AWARDS, & GRANTS

Major scholarships: NSERC Postgraduate Scholarship (2016 - 2019); Ontario Graduate Scholarship (2015, '14)

Grants – science communication: Student Proposals for Intellectual & Community Engaged Scholarship grant (2017)

Grants – research projects & related travel: McMaster University Department of Biology Travel Scholarship (2016, '15 x2); GSA Travel Assistance Award (2016, '15); Company of Biologists Travel Grant (2016, '15)

Awards – research presentations & publications: Finalist, Canadian Society of Zoologists W.S. Hoar award (2019); Biology Graduate Student Achievement Award for Outstanding Research Publication (2019, '18); First place, McMaster Biology Graduate Research Day poster award (2019); Finalist, American Physiological Society Scholander award (2018); Runner up, McMaster Biology Graduate Research Day poster award (2018); Second runner up, McMaster Biology Graduate Research Day poster award (2015); Finalist, Canadian Society of Zoologists H.I. Battle award (2013); Finalist, Canadian Society of Zoologists G.F. Holeton award (2013)

Awards – science writing, science communication, & outreach: *See It, Be It STEM* Role Model (2020); TEDMED 2020 Scholarship (2019) (declined); TEDMED 2020 Research Scholar (with *Massive Science*) (2019); Honourable Mention, Best Shortform Science Writing (2019); Science Seeker pick (2018); Top Pick Best Shortform Science Writing, Essays & Literary Science Writing Category (2018); Biology Graduate Student Achievement Award for Outstanding Research Communication (2018, '17); CSZ Public Awareness Award (2019, '17); CurioCity Article of the Month (2016)

Awards – in support of conference attendance: PDF Travel Assistance Award (2020); ComSciCon Canada Travel Award (2019); APS Abstract Travel Award (2018); McMaster Centre for Climate Change Graduate Student Travel Grant (2018); ICBF Student Travel Award (2018, '16); McMaster University Department of Biology Travel Scholarships (2019, '18, '17, '14)

Awards – miscellaneous: Concordia University Faculty of Arts and Science Fellowship for *Projected Futures 2* (2018); McMaster University Graduate Entrance Scholarship (2013); Ron Joyce Bursary (2012); McMaster University Bursaries (2009, '10, '11)