

5. Conith MR, Ringo D+, Conith AJ, Deleon A, Wagner M, **McMenamin SK**, Cason C+, Cooper WJ#. 2022. Why giant danios don't suck like zebrafish: the evolution of jaw protrusion mechanics in the Danionae. *Integrative Organismal Biology*. doi: [10.1093/iob/obad005](https://doi.org/10.1093/iob/obad005).
6. Nguyen S,

Other Publication

Robinson S⁺, Surette E, Fitzgerald B⁺, Hu Y, McMenamin SK

2023

Northeast Regional Society for Developmental Biology, Woods Hole MA

Fitzgerald B⁺, Surette E, Robinson S⁺, Donahue J⁺, McMenamin SK

Harper M, McMenamin SK

Petrullo G⁺, Nguyen S, Lee RS⁺, Mohlmann E⁺, Blythe JO, Ranieri I⁺, McMenamin SK

Ranieri I⁺, Ali S, McMenamin SK

Robinson S⁺, Surette E, Fitzgerald B⁺, Hu Y, McMenamin SK

Surette E, Donahue J⁺

- 2019 Society for Developmental Biology 78th Annual Meeting, Boston MA
 Harper MA, Redgrave A, Hu Y, McMenamin SK.
 Hu Y, Mauri A+, Donahue J+, Singh R+, Acosta B+, McMenamin SK.
 May C, McMenamin SK.
 Nguyen SV, Yang A+, Xu M+, McMenamin SK.
- 2019 Society for Developmental Biology Northeast Regional Meeting, Woods Hole MA
 Acosta B+, Hu Y, McMenamin SK.
 Harper MA, Redgrave A, Hu Y, McMenamin SK.
 Hu Y, Donahue J+, McMenamin SK.
- Award for best postdoc research
 May C, McMenamin SK.
 Nguyen SV, Yang AL+, McMenamin SK.
 - Runner up award for best graduate student poster
 Parkih P+, Kenaley C, McMenamin SK.
 - Runner up for best undergraduate student poster
 Redgrave A, Xu M+, McMenamin SK.
 Singh R+, May C, Nguyen SV, McMenamin SK.
- 2019 Society for Integrative and Comparative Biology. Tampa FL
 Keer SA, Cohen K, May C, McMenamin SK, Hernandez LP.
- 2019 8th Strategic Conference of Zebrafish Investigators. Asilomar, CA
 McMenamin SK, Keer SA, Hu Y, May C, Redgrave A, Nguyen S, Cohen K, Hernandez LP.
- 2018 7th Meeting of the European Society for Evolutionary Developmental Biology, Galway IRE
 McMenamin SK, May C, Redgrave A, Hu Y, Keer S, Hernandez LP.
- 2018 Society for Developmental Biology Northeast Regional Meeting, Wood.2 (a) -0.2 1.2 4.5298 cm4.5298

- 2015 Society for Developmental Biology Northeast Regional Meeting, Woods Hole MA
McMenamin SK, Bain EJ, McCann AE, Patterson LB, Parichy DM.
- 2014 Society for Developmental Biology Meeting, Seattle, WA.
McMenamin SK, Bain EJ, McCann AE, Patterson LB, Parichy DM.
- 2011 Society for Developmental Biology Northwest Regional Meeting, Friday Harbor WA.
McMenamin SK, Parichy DM.
- Award for Best Postdoc Poster

TEACHING AT BOSTON COLLEGE

BIOL 4050: *Evolution and Development*

2023 Fa; 2021 Fa; 2021 Sp

BIOL 5040: *Topics in Developmental Biology*

2023 Fa; 2021 Fa; 2021 Sp; 2018 Fa

BIOL 4500: *Investigations in Biological Research*

2023 Sp

BIOL 8370: *Topics in Development and Molecular Biology*

2017 Sp

MENTORING AND ADVISING AT BOSTON COLLEGE

Postdoctoral

Yinan Hu, 6/17-2/22

- *Currently a Bioinformatic Scientist at Veracite Inc*

Shahid Ali, 9/20-10/21

- *Currently a postdoc at the University of Chicago*

PhD

Melody Harper, 12/18-present

Eric Surette, 9/20-present

Stacy Nguyen, 12/17-7/23

- *Currently faculty at Wheaton College*

MS

Catherine May, 12/17-12/19

- *Currently a Bioinformatics Scientist at Tempus Labs*

- *Currently an MD student at Rutgers University*

Benjamin Acosta[‡] (Biology, 2019), Sp17, Su17[§], Fa17*, Sp18*, Su18[§], Fa18*, Sp19*

- Senior Thesis Student

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External Thesis Committees

Elizabeth Miller, Goessling Lab, Harvard University, Cambridge MA. PhD, 2023

Kaitlyn Webster, Siegfried-Harris Lab, University of Massachusetts, Boston MA. PhD, 2018

Priyanjali Ghosh, Sagerstrom Lab, University of Massachusetts, Worcester MA. PhD, 2017

Daniel Stratford, Hero Lab, Griffith University, QLD AU. PhD, 2013

Comprehensive Exam Committees at Boston College

Laurie Brutus, Meyer Lab, 2023

Courtney Stuart, Gubbels Lab, 2023 [Committee chair]

Jorel Padilla, Folker Lab, 2022

Casey Roberts, Johnson Lab, 2022

Minqi Shen, Losick Lab, 2022 [Committee chair]

Loiselle Gonzalez Baez, Losick Lab, 2022

Jingjing Lou, Gubbels Lab, 2021

Alexandra Burgess, Folker Lab, 2020 [Committee chair]

Joseph Enders, Williams Lab, 2019

Micaela Lasser, Lowery Lab, 2018

Kevin White, Williams Lab, 2018

Torrey Mandigo, Folker Lab, 2017

PROFESSIONAL SERVICE

Conference Organization

2023 Founder and Co-Organizer with Trista North and Jenna Galloway for Boston Area Zebrafish Researchers (BAZaR) Meeting, Boston College, Chestnut Hill MA. March 18 (92 attendees)

2020 Co-Organizer with Vincent Laudet, Fedor Shkill, Catarina Nunes and Takashi Koyama

- 2022 NSF *ad hoc* reviewer, Integrative and Organismal Systems (BIO/IOS)
- 2019 NSF *ad hoc* reviewer, Integrative and Organismal Systems (BIO/IOS)
- 2019 NIH Early Stage Investigator Panel Member, DEV2, Washington DC
- 2017 NSF *ad hoc* reviewer, Integrative and Organismal Systems (BIO/IOS)
- 2017 NSF Study Section Panel Member, Integrative and Organismal Systems (BIO/IOS), Arlington VA

International Grant Review

- 2022 European Research Council (ERC), Brussels Belgium. *Ad hoc* reviewer, CRC Consolidator Grant Program.
- 2021 Central Academic Advisory Committee of Academia Sinica, Taiwan. *Ad hoc* reviewer, Grand Challenge Program (GCP)
- 2021 Israel Science Foundation (ISF), Israel. *Ad hoc* reviewer, Research Grants

Mock Grant Review

- 2022 Mock NIH Study Section, Mother Infant Research Institute, Tufts Medical Center

Department and Committee Service

University Level

- 2021- Member, Diversity & Inclusion Across Campus Committee
- 2019-23 Member, University Core Renewal Committee and Diversity Subcommittee
- 2018-20 Chair, University Biosafety Committee

Department Level

- 2023- Chair, PhD Graduate Admissions Committee
- 2023- Mentor to Junior Tenure Track Faculty Member (Juan Manuel González Rosa)
- 2023- Member, Bio DEI Committee
- 2022-23 Chair, Tenure Track Faculty Search Committee, Developmental Biology
 - Reviewed 132 applications, interviewed 4 faculty candidates, made 1 offer resulting in a hire
- 2020-23 Chair, Biology Diversity, Equity and Inclusion (Bio DEI) Committee
 - Founded and led 5-person committee focused on raising awareness and providing support for

- 2021-22 Review Editor: *Frontiers in Endocrinology*, Thyroid Endocrinology
2020-21 Topic Editor: *Frontiers in Ecology and Evolution*, special issue Hormones and Life History Strategies

Manuscript Peer Review

- 2021-23 *Current Biology* (2x); *Development* (3x); *Developmental Biology* (3x); *Developmental Dynamics* (2x); *Disease Models & Mechanisms* (2x); *eLife*; *Environmental Biology of Fishes* (2x); *Evolutionary Biology*; *Frontiers in Endocrinology* (3x); *Frontiers in Physiology, General and Comparative Endocrinology* (2x); *Integrative and Comparative Biology*; *Journal of Anatomy*; *Journal of Experimental Biology*; *Molecular Biology and Evolution*
- 2015-20 *BMC Developmental Biology*; *Cold Spring Harbor Protocols*; *Current Biology*; *Developmental Biology*; *Developmental Dynamics*; *Ecology* (2x); *eLife* (2x); *Frontiers in Endocrinology* (2x); *Gene Expression Patterns* (2x); *Genesis*; *Journal of Experimental Biology* (2x); *Journal of Fish Biology*; *Mechanisms of Development*; *Molecular and Cellular Endocrinology* (3x); *Nature Communications* (2x); *PeerJ*; *PLoS Genetics* (2x); *Scientific Reports* (2x); *Quaternary Research*; *Zebrafish*
- 2009-14 *Biological Conservation*; *Diversity*; *Environmental Monitoring and Assessment*; *Journal of Herpetology*; *Proceedings of the National Academy of Sciences, USA*; *PLoS One* (2x); *Zebrafish*

Book Reviews and Consulting

- 2021 Reviewed Textbook, Princeton University Press, Princeton NJ
2021 Reviewed Textbook, CRC Press, Boca Raton FL
2013 Consulted for article, National Geographic, Washington DC
2010 Reviewed professional guidance book, Sinauer Press, Sunderland MA
2006-09 Contracting Review Editor for American Journal Experts, Durham NC

OUTREACH

Community Outreach

- 2019 Organizer: Fish skeleton outreach activity, Living Laboratory, Boston Museum of Science
- Designed activities to introduce non-scientists to zebrafish research
 - Volunteers from the McMenemy Lab administered the activity weekly
 - We engaged with 40-100 museum visitors of all ages (2-70+), for a total of more than 550 engagements with the public
- 2017 Guest scientist: Dinner with a Scientist, Undergraduate Summer Research Group, Boston College
2016 Guest speaker: Honors Biology and Biomedical Engineering, UMass Lowell
2015 Guest speaker: Honors Freshman Biology, UMass Lowell
2012 Expert examiner: "Medical Board Exams", Seattle Girls' School
2012 Tour guide: Science Laboratory Day, Anacortes High School
2011 5th Grade Science Mentor, Seattle Girls' School

Panels and Speaking Engagements

- 2023 Faculty speaker, Boston College Order of the Cross and Crown Induction Ceremony
2021 Invited speaker: Fireside Chat, BC Women in STEM
2021 Panelist in BC McNair Exploratory Program Faculty Panel [Virtual]
2020 Panelist in Accessing Opportunities in Research, Boston College SACNAS Chapter [Virtual]

