

**Melissa J. Walsh, PhD**  
Assistant Professor of Instruction  
Associate Chair of the Department of Biology  
University of Texas at Arlington

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## **EDUCATION**

Ph.D. in Quantitative Biology, 2020  
Department of Biology, University of Texas at Arlington

M.S. in Marine Environmental Science, 2002  
School of Marine and Atmospheric Sciences, Stony Brook University, NY

B.S. in Marine Biology and Environmental Science, 1997  
Department of Biology, University of New England, Biddeford, ME

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## **APPOINTMENTS**

University of Texas at Arlington, Arlington, TX  
Assistant Professor of Instruction, 2020-present  
Associate Chair of Biology, 2020-present  
Lecturer, 2013-2020

Quinnipiac University, Hamden, CT  
Visiting Instructor, 2010-2012

Naugatuck Valley Community College, Waterbury, CT  
Visiting Instructor, 2009-2010

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## **PEER-REVIEWED PUBLICATIONS**

- Walsh M.R., Castoe T.A., Holmes J., Packer M., Biles, K., **Walsh, M.J.**, Munch, S.B., Post, D.M. 2016. Local adaptation in transgenerational responses to predators. *Proc R Soc B*. 283(1823).
- Walsh M.R., Whittington, D., and **Walsh, M.J.** 2014. Does variation in the intensity and severity of predation drive evolutionary changes in reproductive life span and senescence? *J Anim Ecol*. 83(6):1279:1288.
- Vance T.C., Schumacher J.D., Stabeno P.J., Baier T., Wyllie-Echevarria, T., Tynan, C.T., Brodeur, R.D., Napp, J.M., Coyle, K.O., Decker, M.B., Hunt Jr., G.L., Stockwell, D., Whitley, T.E., **Jump, M.J.**, Zeeman, S. 1998. Aquamarine waters recorded for first time in eastern Bering Sea. *Eos: Transactions of the American Geophysical Union*. 79(10):121,126
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## **EDUCATIONAL CONTENT and OTHER PUBLICATIONS** (\*Student co-author)

- Walsh, M.J. and Wolff, Sarah\*. 2020. An OER and case study-based curriculum for BIOL 3355: *Toxicology*.
- Walsh, M.J. and Le, Bryan\*. 2019. Interactive Canvas-based OER Curriculum for BIOL 1441: *Cell and Molecular Biology*.
- Clark, A.C., Chippindale, P., Christensen, S., Frederick, L. Passy, S., and M.J. Walsh. BIOL1441: Cell and Molecular Biology Recitation Workbook. 2017-2018.
- Walsh, M.J. 2018. Active Learning Lesson Plans to accompany *Biology for a Changing World* 3ed. Macmillan Learning.
- Wostl, R.L., Walsh M.J. 2014-2021. Laboratory Manuals for the following 4 courses:  
*Biology 1442: Evolution and Ecology; Biology 1441: Cell and Molecular Biology; Biology 1333: Introduction to Biology I; Biology 1334: Introduction to Biology II*
- Walsh, M.J. and Walsh, M.W. 2014-2017. *Biology 3457: General Ecology Laboratory Manual*. University of Texas at Arlington.

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## SELECTED FELLOWSHIPS AND AWARDS

UT System Regents' Outstanding Teaching Award (Nominee)	2022
UTA Provost Award for Excellence in Teaching	2022
UTA Maverick Advantage Faculty Engagement (MAFE) Program Fellow (\$2500)	2021-2022
UTA Leadership Academy Fellow (\$500)	2021
UTA College of Science Outstanding Teaching Award	2021
UTA Service Learning Faculty Fellow (\$1000)	2021
UTA President's Award for Transformative Online Education (Nominee)	2021
UTA Canvas Champion (\$5,000)	2018-2019
NVCC Faculty Senate Adjunct Teaching Award	2010
Stony Brook University SoMAS Long Island Sound Graduate Student Fellowship (\$35,000)	2000

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## FUNDED RESEARCH

UT System Curricular Innovation Grant in the Post-Pandemic Age, *A problem based service learning curriculum for a hybrid toxicology course* (\$5,000), 2021

UTA College of Science: Improving Student Success in Science grant. *A case-study based curriculum for BIOL 3355: Toxicology*. (\$10,000), 2020

UTA COS: ISSS. *Does an Open Education Resource (OER) curriculum improve learning outcomes in an introductory biology course?* (\$8,300), 2018

Center for the Integration of Research, Teaching, and learning (CIRTL): Teaching as Research Grant. *Are transfer students prepared for upper-level laboratory courses?* (\$1,000), 2017

CIRTL Teaching as Research Grant: *Biology laboratory skills self-assessment*. (\$500), 2015

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## SELECTED SERVICE ACTIVITIES

PROGRAM DIRECTOR, Master of Science in Biology Non-Thesis Online Program

SENATOR, UTA Faculty Senate, Non-Tenure Track Faculty Representative, 2019-

CHAIR, UTA Department of Biology NTT Faculty Searches (5 hires), 2020, 2022

CHAIR, UTA Department of Biology Curriculum Committee, 2019-

MEMBER, Faculty Advisory Board, Macmillan Learning, 2019-2020

FACULTY ADVISOR, UTA-HOSA student organization, 2018-

DIRECTOR, Biology Recitation Leadership Program, 2017-2018

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## SELECTED MENTORING

Kasey Pruett, MS student, *Effect of dam removal on cyanobacteria blooms and stream community*

Kim Lequigan, MS student, *Atrazine and mercury contamination influences diatom diversity*

Ashleigh Reid, LSAMP, *Impacts of undergraduate research experiences on URM*s

Andrew Bates, Undergraduate, *Link between hospital size, population, and pharmaceuticals in US groundwater*

Nhat (David) Nguyen, Undergraduate, *Causes of recurring cyanobacterial blooms in western Lake Erie*

Undergraduate Teaching Assistants and Directed Study (50+ students), 2016-

Sarah Wolff, Honors Thesis, *Impact of Case Study Curriculum on Learning Outcomes in URM*s

Bryan Le, *OER Curriculum for BIOL 1441: Cell and Molecular Biology*, 2019

Undergraduate Biology Recitation Leader Program Mentor (~40 students), 2017-2019

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## PRESS

I was interviewed for a *New York Times* piece about student learning post-pandemic:  
*My College Students are not OK*, by J. Malesic, May 13, 2022.

Students in my *Toxicology* course participated in an original investigation of cyanobacteria in Texas lakes, in partnership with the EPA. Video of presentation day was quote tweeted by @EPARESEARCH (>100,000 followers)  
<https://twitter.com/UTAScience/status/1465786889395478537>