



Eva Y. Ma, PhD

Scientist & Educator
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Dr. Eva Ma is an experienced biology instructor dedicated to using inclusive evidence-based teaching practices to engage and teach undergraduate students critical thinking skills. She has taught at several higher education institutions including UW Bothell, UW Seattle, and Edmonds CC. She is currently a mentor for the Science Teaching Experience for Postdocs (STEP) program and is training PhD researchers on student-centered teaching and course design.

Eva has expertise in molecular, cell, and developmental biology; neuroscience; biochemistry; and genetics. She is also a consulting scientist in the Department of Environmental Health Sciences at UW Seattle, where she uses the gene editing technology CRISPR-Cas9 to develop tools for studying the effects of chemicals on oxidative stress in fish. Her activity that she developed through the STEP Forward program and Pacific Science Center's Science Communication Fellowship is on gene editing and how CRISPR-Cas9 works.

Eva believes in the importance of a scientific-literate public, evidence-based policies, and investment (financial and otherwise) in science and science education. Like many adjunct instructors, she has struggled with finding permanent full-time teaching positions in part due to decreased public funding of education and scientific research. She lives in Seattle with her husband, daughter, and 4 chickens.

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STEP program website:

<http://depts.washington.edu/stepuw/>

