AMANDA (MANDY) SCHIVELL
Teaching Professor, Department of Biology
Box 351800, University of Washington, Seattle, WA 98195
206-724-1191, schivell@uw.edu

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EDUCATION

2000	PhD	Neurobiology and Behavior, University of Washington Thesis adviser: Dr. Sandra Bajjalieh, Dissertation title: "Biochemical and Functional Characterization of the Interaction between the Synaptic Vesicle Proteins SV2 and Synaptotagmin"
1992	BA	Linguistics, Stanford University
1992	BS	Biology, Stanford University

FACULTY POSITIONS

2023-present	Teaching Professor, University of Washington, Biology
2020-2023	Associate Teaching Professor, University of Washington, Biology
2016-2020	Senior Lecturer, Full-Time, University of Washington, Biology
2013-2016	Senior Lecturer, Part-Time, University of Washington, Biology
2008-2013	Lecturer, Part-Time, University of Washington, Biology
2001-2007	Lecturer, Full-Time, University of Washington, Genome Sciences
2001	Lecturer (temp), University of Washington, Biology Program
2001	Seattle University, Lecturer (temp), Biology Department
2000	Lecturer (temp), University of Washington, Biology Program

COURSES TAUGHT (all at UW unless otherwise noted)

NOTE: * indicates courses that I created (or co-created where indicated), ^ indicates courses that I revamped significantly based on student feedback, curriculum changes, COVID restrictions or requests for increased enrollment *after* I had taught the course at least once. The number that follows the ^ indicates the number of times a course was significantly revamped for a new quarter.

2000-2025	$^{\wedge 2}$ Biology 200 – Introductory Biology: a cell, molecular and developmental biology course in the introductory series
2010-2025	$^{\wedge 3}$ Biology 434 – Invertebrate Zoology: a lecture and lab course with a "flipped classroom" structure and field trips
2016-2025	$^{\wedge 2}$ Biology 466 – Pathobiology of Emerging Diseases, senior-level seminar course on current human, plant and animal disease
2010-2024	Biology 401 – Advanced Cell Biology: focuses on reading the primary literature and creating new models of cell biology

2018	*Biology 240 – Intensive Introductory Biology: Human Health Emphasis, co-engineered with Drs. Freeman and Doherty
2017-2018	*General Studies 197 – Collegium Seminar: "How did we get here? The origins of life and its implications for human societies" I designed this course to give freshman a perspective on cell biology and its relevance to our place on Earth
2012-2017	*Biology 380 – Biomedical Advances and Society: I designed this course to help Biology majors gain appreciation for the intersection of science and society – includes rigorous scientific concepts, industry critiquing, public communication skills and policy-writing in its curriculum
2010-2017	Biology 400 – Cell Biology Laboratory: requires students to review the literature, come up with a hypothesis, and test it
2012	Biology 350 – Foundations in Physiology: physiological principles, interpreting data, and scientific writing
2009-2012	Biology 355 – Molecular Cell Biology: focuses on learning how to read the primary literature and write scientifically
2008	BIOS – "Biology Boot Camp" – Early Fall Start intensive introductory course
2004-2006	Genome 371 – Introductory Genetics: intensive course in genetic theory and experimental interpretation
2003-2007	*Genome 261 – Genomes and Society: I designed this course for non-majors who wanted to learn about modern genetic technologies and their impact on society
2004-2007	^Genome 351 – Human Genetics: a human genetics course for non-majors, I redesigned when I took the course over
2004	*Genome 475 – Debates in Genetics: I co-designed this course with Dr. Carol Sibley to teach students to use data from the primary literature to debate about controversial topics in genetics
2001	Biology 101 (Seattle University) – Introductory Biology for non-majors, with lab. I developed a change to the content.
2001	Biology 235 (Seattle University) – Invertebrate Zoology, with lab and field trips
2001	Biology 202 – Introductory Biology, I taught the physiology half, including cardiovascular, neuro, and renal physiology.

MENTORING

Ongoing	Mentorship opportunities for TAs in my courses to present a lecture in the course with preparatory guidance and feedback. Mentoring of 18-20 graduate student TAs in teaching every year
Ongoing	Mentoring Peer Facilitators in Biology 434 and 200. In 2025 I had 3 peer facilitators.

2023-2025	Teaching Mentor for Incoming Faculty – weekly "office hours" for faculty of any rank or experience, specifically targeted to folks new to UW Biology
2025-2026	Formal Mentor for Dr. Briana Gilbert, new Assistant Teaching Professor
2025	Mentor of and Coinstructor with Dr. Sumitra Tatapudy in Bio 200
2022-2023	Informal Mentor for two temporary hires, Dr. Sophia Reeder and Dr. Susana Orozco
2021	Mentor/Evaluator of H.S. teachers through UW in the High School
2019-2020	Mentor of Dr. Katie Sieverman in the Mentored Teaching Opportunity (MTO) program, focused on training post-docs in active and inclusive teaching in Introductory Biology (Bio200, 3Q)
2017-2018	Mentor of Dr. Alexa Clemmons in the MTO program (Bio 200,2Q)
2015-2016	Mentor of Dr. Eva Ma in the MTO program (Bio 200, 2Q)

MEETINGS, COURSES AND WORKSHOPS

2025	SABER West regional meeting
2024-25	UC Irvine Teaching Faculty Conference, 2-day NSF-funded
2020	CourseSource 3-day workshop
2020	SABER national meeting
2020	Teaching Online 101 course – completed Sept. 2020, UW Bothell
2013	Flipping the Classroom Learning Community – weekly Spring Qtr
2011	ASBMB 2011 NW Regional Workshop at Seattle University
2010	POGIL Northwest Regional Meeting/Workshop
2003, 2006	Large Classroom Collegium Day long workshop (UW)

HONORS

2022-23	Nominee, Distinguished Teaching Award, UW
2015	Nominee, Distinguished Teaching Award, UW
2012	Faculty Recognition Award, UW Interfraternity Council
2010	Excellence in Teaching Award from the Mortar Board Society, given to one UW faculty member per year, chosen by undergraduate members of Mortar Board
1999	Charlotte Cornell Crary Award for Excellence in Teaching Introductory Biology
1995-98	Molecular and Cellular Biology Training Grant Award
1995	National Science Foundation Predoctoral Training Grant - Honorable Mention

PROFESSIONAL ORGANIZATIONS

2005-2007	American Association of University Women
1997-2000	Society for Neuroscience
1996-2000	American Society for Cell Biology

SERVICE

Within Biology Department:

2023-2026	Chair of the Undergraduate Program Committee – leading weekly hybrid meetings of the committee comprising faculty, staff, and graduate students. Major project completed under my leadership: revamp of our requirements for Biology majors, including upper division Bio courses and quantitative requirements. Adapted upper division course strategy due to 20% cut in our instructional budget. Currently working on adapting our introductory curriculum due to further budget cuts.
2023-2026	Member of the Dept of Biology Executive Committee – leadership committee advising the chair on departmental matters
2024-5	Biology Graduation Ceremony Marshal
Annually	Write/update between 50-75 letters of recommendation for prior students each letter requires a 30-60 minute meeting with the student as well as an additional hour to write and administrate.
2022-23	Member and strong contributor, Assistant Teaching Professor in Physiology Search, DEC representative, arranged interviewee meetings with staff and with undergraduates
2016-18, 21-23	Member, Undergraduate Program Committee, Dept. Biology
2022	"Equity in Education" panel for Biology Students for Equity and βββ
2010-2022	Mentor for 18 students in Ad Hoc Honors, Writing credit or independent study
2020-2021	Mechanobiology Faculty Search Committee
2017-18, 20-21	Diversity and Equity Committee, Dept. of Biology
2017-2019	Hitchcock Pod Captain, led the effort to plan the new office remodeling for the Teaching Professors, worked with the Pod and staff to create the floor plans of the office clusters
2018-2019	Research Committee, Dept. of Biology
2013, 17, 19, 20	Letters of Recommendation Panelist for βββ Biological Society

2011	"Open House" presenter of invertebrates for Biology graduates and their families – presented local invertebrates!

UW Campus

2006-12, 19, 23-25	Commencement Marshall, UW Commencement
2014-17, 19, 21-25	Marshall, Freshman Convocation
2025	External Evaluator for Improvement, Evaluation and Teaching Committee, Psychology
2022	"Peaks and Professors" hike with undergraduates for informal mentoring
2015-2020	Panelist for General Studies 297 – Letters of Recommendation
2014	Global Dental Brigade's Professor Networking night
2012-2013	Husky Adventure Leader with First Year Programs – took a group of incoming freshmen to Edmonds Marina in September
2003-2006	Member, UW SCFW which became the Faculty Council for Women in Academia
2004-2006	Member, UW SoM Dean's Standing Committee on Women in Medicine
2004-2006	Annual presenter at "Faculty Connections", a UW Dawg Daze event for freshman and transfer student orientation.
2005	Faculty adviser for WashPIRG Intern

Outside of UW

2022-25	At least one external review of Teaching-focused faculty for promotion each year
2021-present	Peer reviewer for Course Source manuscripts

Community Outreach

2011-19, 24, 25	Community presenter for "Science Nights" at local public schools (bringing living marine invertebrates!) This also includes mentoring undergraduate students from Bio492 (Teaching Biology Inclusively to Diverse Audiences)
2019	Led a UW Invertebrate Zoology interactive booth at "Family Day at the Marina", Edmonds Marina, Edmonds WA

2017	Judge for Biology Projects at Federal Way High School
2017	Presenter of local Puget Sound invertebrates at Coltura Event
2017	Co-organized the "March for Science: Biology and Bluegrass" event at Edmonds Marina, Edmonds WA (with Liz Warfield)
2016	Speaker at Gender Odyssey Conference, Topic: Updates on Alternative Reproductive Strategies
2014-2016	Judge for Eckstein Middle School Science Night
2005	Mentor for high school student Biotechnology Expo participant

INVITED LECTURES

May 3, 2017	UW Dream Project
April 7, 2016	Annual Mortarboard "Last Lecture"
February 19, 2016	Guest speaker for annual MEDLife conference, topic: Zika virus
January 15, 2013	Guest lecture for Nurs 201 (UW) topic: Genomics and BRCA1
January 10, 2012	Guest lecture for Nurs 201 (UW) topic: Genomics and BRCA1
January 27, 2011	Guest lecture for βββ Biological Society, University of Washington, topic "Symbiosis and stealing in Nature"
June 24, 2010	Guest lecture for Nurs 201 (UW) topic: Genomics and BRCA1
April 7, 2009	Guest lecture at Seattle Pacific Univ. on Industrial Farming, administrated through the SSNet program
February 28, 2009	Workshop leader for Johns Hopkins CTY "Pathways to College" program
May 21, 2005	"Genetics 101" at the Community Forum on Genetics: DNA, Health and Social Justice, UW/NHGRI
May 5, 2005	Guest lecture for βββ Biological Society, University of Washington
2003-2007	Annual lecture for the GenOM summer student lecture series
December 6, 2003	Keynote speaker for the Understanding Life through Biotechnology Conference, UW Genome Outreach/Johns Hopkins University CTY

BIBLIOGRAPHY

A. Publications in Refereed Journals

1. **Schivell AE.** 2022. Electron location, location, location: Understanding biological interactions. CourseSource. Vol 09, 7 pages. https://doi.org/10.24918/cs.2022.6

2. **Schivell, Amanda E**., Mochida, Sumiko, Kensel-Hammes, Patricia, Custer, Kenneth L., and Bajjalieh, Sandra M. (2005) "SV2A and SV2C contain a unique synaptotagmin-binding site" *Mol. Cell. Neurosci.* **29**:56-64. https://doi.org/10.1016/j.mcn.2004.12.011

3. Pyle, Ruth A, **Schivell, Amanda E**, and Bajjalieh, Sandra M (2000) "Phosphorylation of synaptic vesicle protein 2 modulates binding to synaptotagmin". *J. Biol. Chem.* **275**(22): 17195-17200. https://doi.org/10.1074/jbc.M000674200

4. **Schivell, Amanda E**, Wang, Samuel S-H, and Thompson, Stuart H (1997) "Behavioral modes arise from a random process in the nudibranch *Melibe*". *Biol. Bull.* **192**:418-425. https://doi.org/10.2307/1542751

5. **Schivell, Amanda E**, Batchelor, Robert H, and Bajjalieh, Sandra M (1996) "Isoform-specific, calcium-regulated interaction of the synaptic vesicle proteins SV2 and synaptotagmin". *J. Biol. Chem.* **271**(44): 27770-27775. https://doi.org/10.1074/jbc.271.44.27770

6. Ostrowski, A.C., Iwai, T., Monahan, S., Unger, S., Dagdagan, D., Murakawa, P., **Schivell, A.E.**, and Pigao, C. (1996) "Nursery production technology for Pacific threadfin (*Polydactylus sexfilis*)". *Aquaculture* **139**(1): 19-29. https://doi.org/10.1016/0044-8486(95)01162-5

B. Abstracts

1. Malmquist, Sarah and Schivell, Amanda (2013) "Can Students Evaluate Complex Social Issues in a Biological Context? Interdisciplinary Project-based Learning" UW Teaching and Learning Symposium

2. Schivell, Amanda E, Gallagher, Daniel, and Bajjalieh, Sandra M (1999) "Calcium Inhibits the Interaction Between SV2A and Multiple Synaptotagmin Isoforms" *Amer. Soc. Cell Biol. Abs.* **10**.

3. Schivell, Amanda E and Bajjalieh, Sandra M (1997) "ATP transport into brain synaptic vesicles". *Soc. Neurosci. Abstr.* **23**, pt. 1, p. 137.

4. Schivell, Amanda E, Batchelor, Robert H, and Bajjalieh, Sandra M (1996) "Synaptic vesicle protein 2 (SV2) interacts with synaptotagmin in an isoform-specific, calcium dependent manner". *Amer. Soc. Cell Biol. Abs.* **7**.

5. Schivell, Amanda E, Wang, Samuel S-H, and Thompson, Stuart H (1992) "Spontaneous behavior of the nudibranch mollusc *Melibe leonina* is a Markov process". *Soc. Neurosci. Abs.* **18**.