
Curriculum Vitae

ERICA L. WILDY

Contact Information

Professional

Department of Biological Sciences
California State University, East Bay
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Personal

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Education

Ph.D. 1994 – 2000. Oregon State University (Zoology), Corvallis OR 97331.

Doctoral Supervisor: Andrew R. Blaustein

Thesis: *The significance of aggression and cannibalism in populations of larval long-toed salamanders.*

B.S. 1994. Cornell University (General Biology), Ithaca, NY 14853

Positions Held

Associate Professor, California State University, East Bay, Department of Biological Sciences
September 2006-present.

Presidential Appointee to the Grade Appeal and Academic Grievance (formerly Fairness) Committee, California State University, East Bay, January 2014- present.

Director and P.I., McNair Scholars Program, California State University, East Bay, March 2011-
October 2012.

Assistant Professor, California State University, East Bay, Department of Biological Sciences
September 2000-September 2006.

Senior Science Educator, California Academy of Sciences, San Francisco, CA, September 2008-
August 2010.

Grants / Fellowships / Honors

2015: Provost's Mini-Planning Grants for Innovation in Instruction (\$1,000 + 4 WTUs release)

2015: Lead Faculty (Biology), CSU Chancellor's Proven Course Redesign

2015: CSUEB Exceptional Service Award (2 WTUs release)

2014: Helmsley Charitable Trust/CSU STEM Collaboratives Grant (co-PI, \$375,000)

2014: CSU Chancellor's Promising Course Redesign Grant (PI, \$41,226)

2014: Alternative Learning Solutions Textbook Program (PI, \$1,000)
2014: CSUEB A2E2 Instructional and Research Equipment Grant (PI, \$38,376)
2013: CSU Chancellor's Promising Course Redesign Grant (PI, \$50,627)
2013: CSUEB A2E2 Instructional and Research Equipment Grant (PI, \$24,777)
2012: Sabbatical, one quarter.
2012: Alternative Learning Solutions Textbook Program (PI, \$1,000).
2008: Sabbatical, one quarter (had to turn down)
2007: California State University RSCA Mini Grant (PI, \$10,380 + 8 units of release time)
2006: Tenure and Promotion to Associate Professor, CSUEB, Hayward, CA.
2005: California State University RSCA Activity Mini Grant (PI, \$5,000)
2003: California State University RSCA Mini Grant (PI, \$8,876)
2002: California State University RSCA Mini Grant (PI, 8 units release time)
2001: California State University RSCA Mini Grant (PI, \$4,515)
2000: California State University RSCA Mini Grant (PI, \$4,055)

Recent Professional Activity in Science Education (since 2006)

Guest Presenter: *Biodiversity and its Vulnerability to Human Activity* (Grades K-6, 1 hr), Oakland Unified School District Professional Development, Esperanza Elementary School, Oakland, CA, August 15, 2014.

Founder and Chair: Department of Biology *Museum Committee*. AY 2010/2011-present, CSUEB.

Workshop Instructor: *Needs, Structures and Adaptations of Living Things* (Grades K-3, 2.5 hrs), Advancing Collaboration for Equity in Science (ACES) Elementary Summer Institute, Franklin Elementary School, Oakland, CA, August 2010.

Workshop Instructor: *Needs and Adaptations of Living Organisms* (Grades K – 5 Bay, 2.5 hrs), Bay Area Science Project (BASP) Outdoor Education Summer Institute, June 2010.

Guest Workshop Instructor: *Needs, Structures and Adaptations of Living Things* (Grades K-3, 2.5 hrs), Bay Area Science Project (BASP) Elementary Summer Institute, Skyline High School, Oakland, CA, June 25, 2008.

Workshop Instructor: *Ecology: Niches and Food Webs* (Grade 6, 3hrs), East Bay Science Project, CSUEB, Hayward, CA, June 2, 2007.

Workshop Instructor: *Adaptations in Plants and Animals* (Grade 1, 3hrs), E.B.S.P. Workshop, CSUEB, Hayward, CA, June 2, 2007.

Guest Workshop Instructor: Bay Area Science Project (BASP) Elementary Summer Institute, "Food Webs and Photosynthesis". Berkeley, CA, July 2006.

Guest Lecturer: *Living Organisms and their Environment*, Bay Area Science Project (BASP), Elementary Summer Institute, Berkeley, CA. August 2006.

Workshop Instructor: *Ecology*, (Grades 1, 4 and 6, 3 hours), E.B.S.P., Atherton Academy, Oakland, CA, May 5, 2006.

Workshop Instructor: *The Cell* (Grades 7, 9-12, 3 hours), E.B.S.P., Atherton Academy, Oakland, CA, May 5, 2007.

Workshop Instructor: *Digestion* (Grade 5, 3 hrs), E.B.S.P. Workshop, Hayward, CA, August 8, 2006.

Workshop Instructor: *Food Webs and Predator-Prey Interactions* (Grade 4, 3hrs), E.B.S.P.

Workshop, Hayward, CA, August 8, 2006.

Workshop Instructor: *Energy and the Environment* (Grades 4 and 5, 3hrs) and *Food Webs* (Grade 4, 3 hrs), E.B.S.P., Richmond, CA, August 8, 2006.

Workshop Instructor: *Species Interactions* (Grade 4), E.B.S.P., Richmond, CA, June 27, 2006,

Workshop Instructor: *Odd Animal Adaptations*, E.B.S.P. (Grade 4, 3hrs), CSUEB, Hayward, CA, August 1, 2006.

Workshop Instructor: *"The Kidney: A Study of Excretion and Its Relationship with Circulation"*, (Grade 5, 3hrs), E.B.S.P., Hayward, CA. August 3, 2006.

Workshop Instructor: *"Circle of Life"*, E.B.S.P. Workshops (Grade 4, 3hrs), January 2006.

Workshop Instructor: *"Digestion and Circulation"* (Grade 5, 3hrs), E.B.S.P. Workshop. CSUEB, Hayward, CA, January 2006.

Workshop Instructor: *"Evolution"*, (Grades 1, 3 and 7, 3 hours), E.B.S.P. Workshop, June 2006, Atherton Academy, Oakland, CA.

Workshop Instructor: *"Move It and Use It: The Digestive System"*, (Grade 5, 3hrs), Bay Area, Environmental Science and Teaching (B.E.S.T.) Elementary Workshops, CSUEB, Hayward, CA, March 2006.

Workshop Instructor: *"The Circle of Life"* (Grade 4, 3hrs), B.E.S.T. Summer Program for Elementary School Teachers, CSUEB, Hayward, CA, Jan. 2006.

Faculty Advisory Committee Member: B.E.S.T. Institute 2000-2008.

Recent University and Professional Service (since 2006)

Manuscript Reviewer: *Hydrobiologia*, Winter 2015.

Member: IACUC, (University), AY 2011-present.

Member: Instructional Subcommittee, Planning for Distinction Initiative (Univ.), Fall 2012-Spring 2014.

Chair: Faculty Search Committee (Departmental), AY 2012-2013.

Chair: Post Tenure Review Committee (Departmental) AY 2011-2012.

Member: Planning Committee, Inaugural National TRiO Day Celebration (University), Winter 2012.

Advisor: National Society for Collegiate Scholars (student group, University), Winter 2012 present.

Member: Hiring Committee for Director of the Office of Research and Sponsored Programs position (University), Spring 2012.

Lead Webmaster: McNair Scholars Facebook Page (University), Fall 2011-October 2012.

Lead Webmaster: Biology Department Facebook Page (Departmental), Fall 2011-present.

Member: Library Advising Committee (University), Winter 2012-Spring 2012.

Member: Curriculum Committee (Departmental), AY 2011-2012.

Member: Hiring Committee for *Employer Relations Coordinator* - Student Services Professional IV position, Academic Advising and Career Education (AAACE, University) Fall-Winter 2012.

Member: Undergraduate Research Committee (University), AY 2011-2012.

Founder and Chair: Museum Committee (Departmental), Fall 2010-present.

Member: Coalition for the Public Understanding of Science, AY 2008-2010.

Author: Biology Graduate Student Handbook (Departmental), 2008.

Manuscript Reviewer: *Behavioral Ecology and Sociobiology*, 2008.

Member: Chair Selection Committee (Departmental), AY 2007-2008, CSUEB.

Member: Promotion, Tenure, and Retention (Departmental), AY 2007-2008, CSUEB.

Member: Promotion, Tenure, and Retention, FAC Subcommittee, (University) AY 2007-2008, CSUEB.

Member: Faculty Affairs Committee (FAC, University), AY 2007-2008, CSUEB.

Member: Equal Opportunity Employment Officer Search Committee (Univ.), AY 2007-2008, CSUEB.

Member: Physiology Search Committee (Departmental), AY 2006-2007, CSUEB.

Member: Honorary Degree Committee (University), AY 2006-2007, CSUEB.

Member: Campus Climate Committee (University), AY 2006-2007, CSUEB.

Chair: Space Committee (Departmental), (2006-2008).

Member: Committee on Instruction and Curriculum (CIC, University), AY 2005-2007.

Member: Basic Skills Appeal Committee (University), AY 2003-2007.

Member: Graduate Student Committee (Departmental), CSUEB (2000-2008).

Manuscript Reviewer: *Royal Society, Proceedings B.*, 2006.

Recent Professional, University, and Community Outreach (since 2006)

Developer: Science COllections Learning EXperience (SCOLEX) – independent study and volunteer opportunity for undergraduate students, CSUEB, Hayward, CA, 94542.

Faculty Liaison: Supplemental Instruction Program (in development), CSUEB, Hayward CA. 94542.

Co-Presenter: *Environmental Science Opportunities at CSUEB* (for students of the Oakland High School Environmental Sciences Academy). CSUEB, Hayward, CA 94542.

Moderator: *Chat and Chew STEM Professional Panel*. CSUEB, Hayward, CA. April 2015

Participant: *Life Sciences Panels*, Sonoma State University, Sonoma, CA. "*The California Forum for Diversity in Graduate Education*" April 2015.

Presenter: *Accessibility Services and the Grade Appeal Process*. Faculty Development Workshop, CSUEB, Hayward, CA 9452.

Panelist: *Career Day*. San Leandro High School, San Leandro, CA. April 2015.

Presenter and Participant: *ACUPCC Signing Event (Global Climate Change)*, CSUEB, Hayward, CA. January 2015.

Co-Exhibitor: The 21st Institute on Teaching and Mentoring Conference. Atlanta, GA, October 2014.

Exhibitor: *Graduate School Day*, CSUEB, Hayward, CA, October 2014. (Represented the Department of Biology).

Co-Presenter: Peer Mentor Training, CSUEB, Hayward, CA, September 2014.

Flag Bearer: CSUEB Graduation Ceremonies, CSUEB, Hayward, CA, June 2014.

Co-Exhibitor: "*Creepy Crawly Spooktakular*", CSUEB Science Festival, Hayward, CA. (Presented a display of amphibians and reptiles and interpretive material dispelling myths about these animals). October 2013.

Co-Presenter/Exhibitor: National TRiO Day Celebration, February 2012.

Faculty Liaison: *Nature Publishing Group Interactive Textbook*, Fall 2011-2013.

Coordinator: Research, Scholarship and Creative Activity Research Poster Symposium, AY 2011-2012 (during time when there was no AVP of ORPD).

Exhibitor: *Diversity Day*, CSUEB, Hayward, CA, May 2012. (Rep. the McNair Scholars Program).

Co-Exhibitor: "Creepy Crawly Spooktakular", CSUEB Science Festival, Hayward, CA. (Presented a display of amphibians and reptiles and interpretive material dispelling myths about these animals). October 2011.

Presenter: "The McNair Scholars" program, Gallery of Resources, Back to the Bay faculty and staff conference, CSUEB, Hayward, CA. September 2011.

Exhibitor: College of Science *Graduate School Day*, CSUEB, Hayward, CA, October 2011. (Represented the Department of Biology).

Presenter: Transfer and Freshmen and Family Orientations. (Tabled the McNair Scholars program for three different sessions. July, August 2011.

Faculty Marshall: CSUEB Graduation Ceremonies, CSUEB, Hayward, CA, June 2011.

Participant: *Diversity Day Panel*, CSUEB, Hayward, CA. "Keeping Diversity Ideals Alive in Challenging Times." May 2011.

Exhibitor: *Diversity Day*, CSUEB, Hayward, CA, May 2011. (Represented the McNair Scholars Program).

Co-Presenter: *African American and Latino Educational Summit*, CSUEB, Hayward, CA, April 2011.

Presenter: College of Science *Welcome Day*, CSUEB, Hayward, CA, March 2011. (Presented information about the Department of Biology to prospective majors).

Exhibitor: College of Science *Graduate School Day*, CSUEB, Hayward, CA, October 2010. (Represented the Department of Biology).

Exhibitor: College of Science *Preview Day*, CSUEB, Hayward, CA, October 2010. (Represented the Department of Biology).

Exhibitor: "California Academy of Sciences", CSUEB Science Festival, Hayward, CA, April 2009.

Exhibitor: "California Academy of Sciences", *Family Appreciation Day/COPUS Year of Science*, San Francisco, CA, January 2009.

Faculty Marshall: CSUEB Graduation Ceremonies, CSUEB, Hayward, CA, June 2008.

Faculty Marshall: CSUEB Graduation Ceremonies, CSUEB, Hayward, CA, June 2007.

Presenter: Graduate Student Informational Session, CSUEB, Hayward, CA, Fall 2006, 2007.

Exhibitor: "Bay Area Frogs and Reptiles", CSUEB Science Festival, Hayward, CA, April 2007.

Participant: CSUEB Super Sunday I and II, Acts Full Gospel Church, February 2006, 2007.

Panelist: Global Climate Change, California State University, East Bay, January 2007.

Faculty Marshall: CSUEB Graduation Ceremonies, CSUEB, Hayward, CA, June 2006.

Assistant to Exhibitor: Annual Wildlife Fair, Sulphur Creek Nature Center, June 2006.

Non Peer-Reviewed Publications

Wildy, E. (Editor and Co-author). 2015 - present. *Introduction to Biology Laboratory (Biol 1002), Manual*. Available online for students taking the Biol 1403 course at CSUEB. 220 pp.

Wildy, E. (Editor and Co-author). 2013 - present. *Foundations of Animal Biology (Biol 1403), Laboratory Manual*. Available online for students taking the Biol 1403 course at CSUEB. 183 pp.

Wildy, E. (Editor and Primary Author). 2008 - present. *Vertebrate Biology (Biol 4583) Laboratory Manual*. Available online for students taking the Biol 4583 course at CSUEB. 78 pp.

Wildy, E. (Editor and Co-author). 2008. *CSUEB Biology Graduate Student Handbook*. Available online for students. 38 pp.

Wildy, E. (Editor and Co-author). 2006 - present. *Animal Behavior (Biol 4518), Laboratory*

Manual. Available online for students taking the Biol 4518 course at CSUEB. 46 pp.

Wildy, E. (Editor and Co-author). 2004 - present. *Principles of Ecology (Biol 3110), Laboratory Manual*. Available online for students taking the Biol 3110 course at CSUEB. 101 pp.

Peer-Reviewed Publications

- Nielsen S., Soules A., Le Duc D., Inouye C., Singley J., **Wildy E.**, and Seitz J. *Embedding Multiple Literacies into STEM Curricula*. *College Teaching* 62(4): 121-128.
- Blaustein AR, **Wildy E.L.**, Belden LK, Hatch A. 2001. Influence of abiotic and biotic factors on amphibians in ephemeral ponds with special reference to long-toed salamanders (*Ambystoma macrodactylum*). *Israel Journal of Zoology* 47 (4): 333-345.
- Chivers D.P., **Wildy E.L.**, Kiesecker J.M., and Blaustein, A.R. 2001. Avoidance response of juvenile Pacific Treefrogs to chemical cues of introduced predatory bullfrogs. *Journal of Chemical Ecology* 27: 1667-1676.
- Wildy, E.L.** and Blaustein, A.R. 2001. Learned Recognition of Intraspecific Predators in Larval long-toed salamanders, *Ambystoma macrodactylum*. *Ethology* 107: 479-493.
- Wildy, E.L.**, D.P. Chivers, Kiesecker, J.M., and A.R. Blaustein. 2001. The effect of food and density on biting and cannibalism in larval long-toed salamanders, *Ambystoma macrodactylum*. *Oecologia* 128: 202-209.
- Belden, L.K., **Wildy, E.L.**, and Blaustein, A.R. 2000. Growth, survival and behaviour of larval long-toed salamanders (*Ambystoma macrodactylum*) exposed to ambient levels of UV-B radiation. *Journal of Zoology* 251: 473-479.
- Belden, L.K., **Wildy, E.L.**, Hatch, A.C. and Blaustein, A.R. 2000. Juvenile western toads (*Bufo boreas*) avoid chemical cues of snakes fed juvenile, but not larval, conspecifics. *Animal Behaviour* 59: 871-875.
- Chivers, D.P. Kiesecker, J.M., Marco, A., **Wildy, E.L.**, and Blaustein, A.R. 1999. Shifts in life history as a response to predation in western toads (*Bufo boreas*). *Journal of Chemical Ecology*. 25: 2455-2463.
- Chivers, D.P., Kiesecker, J.M., **Wildy, E.L.**, Belden, L.K., Kats, L.B., and Blaustein, A.R. 1999. Avoidance response of post-metamorphic anurans to cues of injured conspecifics and predators. *Journal of Herpetology* 33: 472-476.
- Wildy, E.L.**, Chivers, D.P., and Blaustein, A.R. 1999. Shifts in life history traits as a response to cannibalism in larval long-toed salamanders (*Ambystoma macrodactylum*). *Journal of Chemical Ecology* 25: 2337-234.
- DeVito, J., Chivers, D.P., Kiesecker, J.M., Marco, A., **Wildy, E.L.**, and Blaustein, A.R. 1998. The effects of snake predation on metamorphosis of western toads (*Bufo boreas*). *Ethology* 104: 185-193.
- Wildy, E.L.**, D.P. Chivers, Kiesecker, J.M., and A.R. Blaustein. 1998. Cannibalism enhances growth in larval long-toed salamanders (*Ambystoma macrodactylum*). *Journal of Herpetology* 32: 286-289.
- Chivers, D.P., **Wildy, E.L.**, and Blaustein, A.R. 1997. Eastern long-toed (*Ambystoma macrodactylum columbianum*) larvae recognize cannibalistic conspecifics. *Ethology* 103: 187-197.
- Chivers, D.P., Kiesecker, J.M., **Wildy, E.L.**, Anderson, M.T., and Blaustein, A.R. 1997. Chemical alarm signaling in salamanders: intra- and interspecific responses. *Ethology* 103: 599-613.
- Chivers, D.P., Kiesecker, J.M., Anderson, M.T., **Wildy, E.L.**, and Blaustein, A.R. 1996. Avoidance

response of a terrestrial salamander (*Ambystoma macrodactylum*) to chemical alarm cues. *Journal of Chemical Ecology* 22: 1709-1716.

Riesecker (Kiesecker), J.M., Anderson, M.T., Chivers, D.P., **Wildy, E.L.**, DeVito, J., Marco, A., Blaustein, A.R., Beatty, J.J., and Storm, R.M. 1996. *Plethodon dunni* (Dunn's salamander) cannibalism. *Herpetological Review* 27: 194.

Manuscripts in Prep

Wildy, Erica L. Freshman Student Use of an E-Text in an Introductory Majors Biology Course *In prep.*

Wildy, Erica L. Transforming the Maintenance of a Natural History Collections into an Informal Science Education Learning Experience for College Students. *In prep.*

Wildy, Erica L., Inouye, Caron Y., Soules, Aline, Wakimoto, Diana, and Nielsen, Sarah. Transforming an Introductory Majors' Biology Course through Interdisciplinary Collaboration. *In prep.*

Eng, L.A., Seuss, E. and **Wildy, E.** The effect of food and density on head morphology and aggression in central larval long-toed salamanders, *Ambystoma macrodactylum columbianum*. *In prep.*

Professional Presentations

E-Portfolio Presentation: Wildy Erica, Inouye Caron, Nielsen Sarah, Soules Aline, and Diana Wakimoto. 2015. An Interdisciplinary Approach to Redesigning Introductory Majors And Non-Majors Biology Courses for Student Success. CSU Summer Institute on Course Redesign with Technology, Sacramento, CA.

Invited Oral Presentation: Wildy Erica, Inouye Caron, Nielsen Sarah, Soules Aline, and Diana Wakimoto. 2015. An Interdisciplinary Approach to Redesigning Introductory Majors And Non-Majors Biology Courses for Student Success. CSU Summer Institute on Course Redesign with Technology, Sacramento, CA.

Poster Presentation: Wildy Erica, Inouye Caron, Nielsen Sarah, Soules Aline, and Diana Wakimoto. April 2015. *An Interdisciplinary Approach to Redesigning Introductory Biology: Improving Student Success in BIOL 1403 (Animal Biology)*. CSU Symposium on University Teaching. California State University, Los Angeles, Los Angeles, CA.

Invited Oral Presentation: Wildy Erica, Inouye Caron, Nielsen Sarah, Soules Aline, and Diana Wakimoto. 2014. *An Interdisciplinary Approach to Redesigning Introductory Biology for the 21st Century: Improving Student Success in BIOL 1403 (Animal Biology)*. CSU Academic Technology Initiatives Day, Hayward, CA.

Poster Presentation: Wildy Erica, Inouye Caron, Nielsen Sarah, Soules Aline, and Diana Wakimoto. 2014. *An Interdisciplinary Approach to Redesigning Introductory Biology for the 21st Century: Improving Student Success in BIOL 1403 (Animal Biology)*. CSU Summer Institute on Course Redesign with Technology, Los Angeles, CA.

Session Chair: April 15, 2011. *CSU Undergraduate Research Leadership Conference*, CSU Channel Islands, Channel Islands, CA.

Oral Presentation: Wildy., E.L. March 2009. *Cannibalism in larval salamanders AND An Introduction to the new California Academy of Sciences*. Guest Lecture at the Regional Gathering of the American Association of University Women (AAUW), Foster City, CA.

Oral Presentation: Wildy., E.L., Eng, L.A. and Suess, E. August 15, 2006. *The Effects of Density and Food on Morphology and Behavior in Larval Central Long-Toed Salamanders (Ambystoma*

macrodactylum columbianum). Animal Behavior Society Meeting, Snowbird, Utah.

Oral Presentation: Wildy, E.L. MBRS Research Retreat. Spring 2004. San Francisco, CA.

Oral Presentation: Wildy, E.L. CSUH Dept. of Biology, Departmental Seminar. Spring 2002. Hayward, CA.

Oral Presentation: Wildy, E.L. and Blaustein, A.R. Animal Behavior Society Meeting. July 2001. Corvallis, OR.

Oral Presentation: Wildy, E.L., Chivers, D.P., and Blaustein, A.R. Oregon State University Graduate Student Conference. April 2000. Corvallis, OR.

Recent Conferences/Workshops Attended (since 2006)

2015. *CSU Summer Institute on Course Redesign with Technology*. Sacramento, CA.

2015. *CSU Supplemental Instruction Training*, CSULA, Los Angeles, CA.

2015. *CSU STEM Collaboratives Meeting*. CSU Poly Pomona, Pomona, CA.

2015. *CSU Symposium on University Teaching*. CSULA, Los Angeles, CA.

2014. *CSU Summer Institute on Course Redesign with Technology*. Los Angeles, CA.

2014. *Proposal-writing Workshop for STEM Collaboratives*, CSUDH, Carson CA.

2014. *CSU Supplemental Instruction Workshop*, CSUS, Sacramento CA.

2013. *CSU Chancellor's eAcademy for Introduction to Biology Courses*, Long Beach, CA.

2012. *Council for Undergraduate Research-CSU Workshop*, Long Beach, CA.

2012. *Council for Opportunity in Education National Conference*. New York City, NY.

2011. *Council for Opportunity in Education National Conference*. Washington DC.

2011. *Council for Opportunity in Education Proposal Writing Seminar and Forum*, Washington, DC.

2011. *CSU Undergraduate Research Leadership Conference*, Channel Islands, CA.

2011. *Association of American Colleges and Universities*, San Francisco, CA.

2010. *Association of Science and Technology Centers*. Honolulu, HI.

2006. *Animal Behavior Society Meeting*, Snowbird, Utah.
