Sara E. Brownell

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Biographical summary:

Sara Brownell is a biology education researcher whose research focuses on making undergraduate science learning environments more inclusive. Trained as a Ph.D. neuroscientist, she transitioned to discipline-based education research and is an expert on course-based undergraduate research experiences and making undergraduate science learning experiences, specifically active learning courses and undergraduate research experiences, more inclusive. She has published 163 total publications (118 as first or senior author, h-index= 65), has been PI or Co-PI on ~7.4 million dollars in external awards, has given 195 invited talks on her research, and has been awarded national research awards related to teaching/science education. At Arizona State University, Brownell has received eight teaching/mentoring awards and directs the Research for Inclusive STEM Education (RISE) Center. Her research in science education has been internationally recognized and featured in *Science Magazine*, as well as in numerous news outlets, including the *NY Times*, *CNN*, and *Scientific American*.

Education

2011	Ph.D. in Biology	Stanford University, Stanford CA
2011	M.A. in Education	Stanford University, Stanford CA
2007	M.S. in Biology	The Scripps Research Institute, La Jolla CA
2004	B.S. in Biology	Cornell University, Ithaca NY

Appointments:

2023-present — *President's Professor in the School of Life Sciences*, Arizona State University
Research focus: Undergraduate biology education
Affiliated faculty: Center for Biology and Society

2023-present — *Charter Professor,* Arizona State University
Founded RISE Ambassador Program as a commitment to inclusion in ASU's charter

2020-present — *Director of the Research for Inclusive STEM Education (RISE) Center,* Arizona State University

2021-2023 — *Professor in the School of Life Sciences*, Arizona State University, Tempe AZ
Research focus: Undergraduate biology education
Affiliated faculty: Center for Biology and Society

2018-2021 — *Associate Professor in the School of Life Sciences,* Arizona State University
Research focus: Undergraduate biology education
Affiliated faculty: Center for Biology and Society

2019 — *Visiting Scholar in Evolution Education*, University of Münster, Münster Germany
Evolution Think Tank Fellow, Münster Graduate School of Evolution

2015	*Visiting Scholar in Biology Education*, University of Texas at Austin, Austin TX Texas Institute for Discovery Education in Science in the College of Natural Sciences
2014-2018	*Assistant Professor in the School of Life Sciences*, Arizona State University Research focus: Undergraduate biology education Affiliated faculty: Center for Biology and Society, Center for Evolution and Medicine
2013	*Postdoctoral Scholar in Biology Education*, University of Washington, Seattle WA Concentration: Undergraduate biology education Advisors: Dr. Scott Freeman, Dr. Alison Crowe, Dr. Mary Pat Wenderoth
2012	*Postdoctoral Scholar in Science Education*, San Francisco State, San Francisco CA Concentration: Undergraduate biology education Advisor: Dr. Kimberly Tanner
2011-2012	*Lecturer in Biology*, Stanford University, Stanford CA

Honors and Awards:

- Awarded National Association of Biology Teachers (NABT) Four Year College and University Biology Teaching Award, 2026
  This award is given to one individual across the United States annually and recognizes creativity and innovation in undergraduate biology teaching.
- Elected as an American Society for Cell Biology (ASCB) Fellow, 2026
  This lifetime honor is for significant and sustained impact on improving education and increasing diversity in the scientific workforce.
- Top 50 Voices in Higher Education, 2026
  An international honor out of thousands of nominations, sponsored by Vevox
- Awarded American Society for Cell Biology Bruce Alberts Award for Excellence in Science Education, 2024
  This award is given to a one individual annually who has demonstrated innovative and sustained contributions to science education, with a priority on national impact.
- Named Charter Professor, 2023
  One of Arizona State University's university honors and distinctions, this three-year credential is for professors whose record reflects a commitment to ASU's charter for inclusion.
- Invited Fellow of the International Society for Science and Religion, 2023
  Elected based on excellence in the field to the world's foremost academy of those working on the intersection of science and religion.
- Named President's Professor, 2023
  One of Arizona State University's most prestigious faculty honors, it is designed to reward enthusiasm and innovation in teaching, the ability to inspire original and creative work by students, mastery of subject matter, and scholarly contributions.
- Awarded ASU's Founders Day Teaching Achievement Award, 2023
  One university-wide faculty award given annually for teaching that creates impactful, transformative narratives regarding issues facing the world and expands the minds of students to help discover innovative solutions
- Elected as an American Association for the Advancement in Science (AAAS) Fellow, 2022
  One of the most distinguished lifetime honors in the scientific community, elected within Section X: Societal impacts of science and engineering
- Awarded the John A. Moore Lectureship to give the closing plenary lecture on science education at the Society for Integrative and Comparative Biology (SICB) meeting, 2022
  One lectureship awarded annually to a nationally-recognized speaker on science education

- Awarded the SEISMIC collaboration leadership award, 2022
  Award given for being part of the 10-person team to launch the SEISMIC Collaboration
- Awarded National Association of Biology Teachers Evolution Education Award, 2021
  One national award given annually to a scholar in evolution education based on research, co-awarded with my former PhD student Elizabeth Barnes
- Awarded American Physiological Society's Education Research Recognition Award, 2021
  One national award given annually for submitted research at the national meeting
- Awarded ASU Committee for Campus Inclusion Catalyst Award, 2020
  Two university-wide faculty awards given annually for efforts related to inclusion
- Awarded LGBTQ+ Educator of the Year by the National Organization of Gay and Lesbian Scientists and Technical Professionals (NOGLSTP), 2020
  One national award given annually
- Awarded National Association of Biology Teachers Biology Education Research Award, 2018
  One national award given annually to a scholar in biology education research based on research
- Awarded American Physiological Society's Education Research Recognition Award, 2018
  One national award given annually for submitted research at the national meeting
- Awarded ASU's highest college-level teaching award, Zebulon Pearce teaching award, 2017
  One college-wide award given annually for faculty teaching in the natural sciences
- Awarded ASU's School of Life Sciences Excellence in Teaching award, 2017
  One department-wide award given annually for teaching
- Awarded ASU's Faculty Women's Association Award for Outstanding Faculty Mentor, 2017
  One of six awards given annually across the university for mentoring
- Awarded ASU's Centennial Teaching Award, university-wide teaching award, 2015
  Nominated by 30 students for this pre-tenure university-wide award, three are given annually
- Fellow for ASU's Lincoln Center for Applied Ethics, 2015
  Selected as a research fellow for this center
- Awarded Stanford Biology Student Services Award, Departmental Service Award, 2012
  One award given annually to a staff member
- Awarded Walter J. Gores Teaching Award, Stanford University's highest teaching award, 2010
  Two university-wide awards given annually to graduate students
- Awarded Stanford School of Medicine Award for Outstanding Teaching Assistant, 2009
  One university-wide award given annually
- Awarded Excellence in Teaching Award, Stanford Department of Biology, 2008
  Many awards given annually to graduate students based on high teaching evaluations
- Stanford Graduate Fellowship, 2008-2011
  Awarded most prestigious internal fellowship at Stanford, full tuition/stipend support
- National Science Foundation Graduate Fellowship, 2005-2008
  Awarded national fellowship, full tuition/stipend support
- The Scripps Research Institute Bagel Fellowship, 2004-2005
  Awarded one-year internal fellowship, full tuition/stipend support

Research Experience:

- *Faculty Research, Arizona State University, 2014-present*
  Research interests focus on making undergraduate biology education more inclusive, particularly for students with concealable stigmatized identities.
- *Postdoctoral Research, University of Washington, 2013*
  Worked to establish departmental learning goals and articulate the core concepts of Vision and Change for a general biology major.
- *Postdoctoral Research, San Francisco State University, 2012*
  Worked on the role of faculty professional identity in faculty pedagogical change.

- *Ph.D. Thesis Research, Stanford University, 2007-2011*
  Worked in Dr. Lawrence Steinman's neuroimmunology laboratory focused on the therapeutic potential of small heat shock proteins in mouse models of multiple sclerosis and stroke.
- *M.A. Thesis Research, School of Education, Stanford University, 2008-2011*
  Under the mentorship of Dr. Rich Shavelson, evaluated the comparison of traditional biology lab courses to a set of newly designed course-based undergraduate research experiences embedded into introductory biology lab courses.
- *M.S. Thesis Research, The Scripps Research Institute, 2005-2007*
  Worked in Dr. Tamas Bartfai's molecular neuroscience laboratory focused on cytokines, temperature regulation, and obesity.

Fellowships and Grants:

Funded national awards

In progress:

- *National Science Foundation Improving Undergraduate STEM Education (IUSE) Award*
  An exploration of science faculty motivation in providing student accommodations. $391,581, funded September 2024 as PI (Goodwin as Co-PI).
- *National Science Foundation Collaborative Research: HSI Implementation and Evaluation*
  Expanding access to high impact practices using Virtual Field Experiences. $729,036, funded August 2024 as a Co-PI (PI: Mead).

Completed:

- *National Science Foundation Improving Undergraduate STEM Education (IUSE) Award*
  Research at your fingertips: Developing a bioinformatics course-based undergraduate research experience for online students. $299,997, March 2021-2026 as a Co-PI (PI: Wilson M, Co-PI: Cooper K).
- *Howard Hughes Medical Institute (HHMI) Inclusive Excellence Award*
  Teaching transformed: Using education technology to create a culture of inclusive excellence. $1,000,000 funded May 2018-2025 as a Co-PI (PI: Collins J, Co-PIs: Anbar A, LePore P). Resulted in 11 publications.
- *National Science Foundation Improving Undergraduate STEM Education (IUSE) Award*
  Exploring the Effect of Shared Identities Between Instructors and Students in the Undergraduate Biology Classroom. $300,000, funded March 2021-2025 as a Co-PI (ends 2024; PI: Cooper K). Resulted in 8 publications.
- *National Science Foundation Bio-LEAPS Award*
  Broadening participation of individuals to transform SABER and biology education. $1,274,200 total ($206,492 to ASU), funded February 2024 as a Co-PI (PI: Raut, Co-PI: Dewsbury, Co-PI: Segura, Co-PI: Garcia-Ojeda). Terminated early.
- *National Science Foundation (NSF) Improving Undergraduate STEM Education (IUSE) Award*
  A large-scale national systematic exploration of the impact of culturally competent evolution education. $405,409 funded August 2018-2024 as a PI (Co-PI: Barnes). Resulted in 22 publications.
- *National Science Foundation RCN-UBE Incubator Award*
  Developing a network of collaborators of psychiatrists, academic support specialists, and biology education researchers to create more inclusive active learning classrooms for student anxiety. $74,319 funded August 2020-2024 as a Co-PI (PI: Cooper K, Co-PI: Nesse R, Co-PI: Schuessler B). Resulted in 1 publication.

- *National Science Foundation (NSF) Scholarships in Science, Technology, Engineering, and Math (S-STEM) Award*
  Making the LEAP from transfer student to research scientist. Collaborative grant aimed at improving transfer student success in undergraduate research in science. $999,965 total funded January 2017-2024 as a PI (Co-PIs: Zaniewski A, Harnett H). Resulted in 6 publications.
- *National Science Foundation (NSF) Research Coordination Network Undergraduate Biology Education (RCN UBE)*
  Course-based Undergraduate Research Network 2: developing a national network of individuals interested in integrating teaching and research. $499,925 total funded August 2017-2023 as a Co-PI (PI: Dolan E at University of Georgia).
- *National Science Foundation (NSF) INCLUDES Planning Award,* 2020-2022
  Developing a shared vision for classrooms that engage persons with disabilities in science and engineering. $100,000 funded April 2020 as a Co-PI (PI: Parrish K). Resulted in 1 publication.
- *National Science Foundation RCN-UBE Incubator Award*, 2020-2022
  Developing a cross-disciplinary network of collaborators to improve evolution acceptance instruments. $73,269 funded August 2020 as a PI (Co-PI: Barnes M, Co-PI: Nehm R, Co-PI: Wiles J, Co-PI: Jensen J). Resulted in 1 publication.
- *National Science Foundation (NSF) Improving Undergraduate STEM Education (IUSE) Award,* 2017-2022
  Exploring bias in undergraduate biology exams. Collaborative grant exploring how instructors write exam questions and whether they are biased towards any groups. $241,036 total funded December 2017 as a PI (Co-PI: Wright C, Co-PI: Li). Resulted in 2 publications.
- *National Science Foundation (NSF) Improving Undergraduate STEM Education (IUSE) Award,* 2017-2020
  Establishing evidence-based curricula for evolutionary medicine. $292,767 total funded September 2017 as a PI (Co-PIs: Nesse R, Grunspan D). Resulted in 4 publications.
- *National Science Foundation (NSF) Improving Undergraduate STEM Education (IUSE) Award*, 2015-2018
  Learning from dialog versus monolog videos. Collaborative grant exploring the benefit of students watching videos outside of class with either an instructor alone or watching videos of instructor tutoring a student. $249,995 total funded September 2015 as a Co-PI (PI: Chi M). Resulted in 2 publications.
- *National Science Foundation (NSF) Transforming Undergraduate Education in STEM (TUES) II Award*, 2013-2019
  Navigating from Vision to Change with BioMaps. Collaborative grant on the development of programmatic assessments aligned with the core concepts of Vision and Change. $528,452 total funded September 2013 as a Co-PI (PI: Smith M, Knight J, Crowe A); $110,810 as subcontract to ASU as a PI. Resulted in 5 publications.
- *CUREnet national grant for working groups*, 2013-2014
  Collaborative mini-grant funded through a NSF RCN-UBE grant to explore faculty involvement and interest in course-based research experiences. $3,900 total funded December 2013 as a PI. Resulted in 3 publications.
- *National Science Foundation (NSF) Graduate Research Fellowship*, 2005-2008
  Awarded $90,000 total stipend, plus tuition support.

Funded internal institutional awards

- *ASU College of Liberal Arts and Sciences Online Undergraduate Research Scholars Grant*
  Funded by the College of Liberal Arts and Sciences to help support a genomics course-based undergraduate research experience for online students as a Co-PI. $10,000. Funded February 2022.

- *ASU School of Life Sciences Bottom-Up Seminar Series Funding*
  Funded by the School of Life Sciences to host the Evidence-based Teaching in STEM seminar series. $5700. Funded May 2016.
- *ASU Center for Evolution and Medicine Research Grant*
  Funded by the Center for Evolution and Medicine to research undergraduate biology students' conceptions of acceptance of evolution. $1600. Funded April 2016.
- *ASU Lincoln Center for Applied Ethics Proposal Funding*
  Funded by the Lincoln Center to explore ethics surrounding undergraduate research experiences. $7,000. Funded July 2015.
- *ASU School of Life Sciences Bottom-Up Seminar Series Funding*
  Funded by the School of Life Sciences to develop an Evidence-based Teaching in STEM seminar series. $6,300. Funded May 2015.
- *ASU Centennial Teaching Award Funding for Teaching*
  Project stipend to improve the quality of instruction at ASU specifically in active learning classrooms. $5,000. Funded April 2015.
- *Stanford Graduate Fellowship in Science and Engineering*, 2008-2011
  Most prestigious internal fellowship at Stanford. $96,600 total stipend, plus tuition support.
- *Stanford University Vice Provost of Undergrad Education Curriculum Development Grant*
  Funded to assess the Department of Biology Honors Program. $3,500. Funded Nov 2011.
- *Stanford University Center for Teaching and Learning TA training Grant*
  Funded to support Biology Laboratory TA Training program. $2,500. Funded June 2011.
- *Stanford University Vice Provost of Undergrad Education Curriculum Development Grant*
  Funded to support the course Imm185 "Brain and Immune System." $3,000. Funded Nov 2008.
- *Stanford University Center for Teaching and Learning TA training Grant*
  Authored grant to support Biology Advisors TA Training program. $2,500. Funded June 2008.

Publications

*The standards of the biology education research field are that the senior lead author is the last author of the publication and the first author is the trainee or person who conducted the majority of the research. Trainees are underlined: $^{+}$ denotes postdoctoral scholar, $^{\#}$ denotes graduate student, and $^{\wedge}$ denotes undergraduate student. Italics indicate when I am corresponding author and * indicates co-first author or co-last author. I have 163 total publications (152 peer-reviewed articles, 10 editor-reviewed book chapters or articles, and 1 peer-reviewed curriculum article). According to google scholar, my h-index is 65, i10 index is 130, and I have 15,808 total citations.*

Peer Reviewed Research Articles

In press/ accepted

152. Edwards B, Barnes ME, **Brownell SE**. 99% of undergraduate biology students appreciate an evolution instructor sharing a personal story about reconciling religion and evolution when using conflict-reducing practices. CBE Life Sciences Education. Accepted with minor revisions.

2026

151. Pizza R^{+}, Pais D, Cooper KC, **Brownell SE***, Goodwin E*$^{+}$. Beyond disability: how being twice-marginalized shapes the experiences of STEM undergraduates with disabilities. Journal of Microbiology and Biology Education. July 2026. https://journals.asm.org/doi/10.1128/jmbe.00106-26

150. Rowland-Schaefer EG, Edwards BA, Crowe AJ, Barnes ME, **Brownell SE**. Challenges to Evolution as a Core Concept in College Biology: Silence on Religion and Conflicting Goals for Acceptance. BioScience. June 2026. https://academic.oup.com/bioscience/advance-article/doi/10.1093/biosci/biag072/8704599

149. Barnes ME and **Brownell SE**. Teaching Undergraduates Education: Ten Years of Research on Conflict-reducing Practices and Resistance to Them. BioScience. June 2026. https://academic.oup.com/bioscience/advance-article/doi/10.1093/biosci/biag039/8704600

148. Edwards BA, Mitra C, Bunch H, Abraham A, Cooper KM, ***Brownell SE***. Progress or prejudice? Medical school admissions committee members exhibit nuanced responses to applicants revealing bipolar disorder on applications. Advances in Physiology Education. January 2026. https://journals.physiology.org/doi/full/10.1152/advan.00237.2025

ASU news

ASU news article about undergraduates doing research

2025

147. Edwards BA, Maas S, Barnes ME, ***Brownell SE***. Recognizing compatibility, but hesitant about in-class discussion: Non-religious biology teaching assistant perceptions of the relationship between religion and evolution. CBE Life Sciences Education. December 2025. https://www.lifescied.org/doi/full/10.1187/cbe.24-12-0285

146. Busch CA, Bhanderi P, Cooper KM, ***Brownell SE***. Nine undergraduate science instructors who revealed their LGBTQ+ identities in class showed benefits for LGBTQ+ students and students with other marginalized identities. CBE Life Sciences Education. November 2025. https://www.lifescied.org/doi/10.1187/cbe.24-10-0254

Commentary
ASU news, Phys.org

145. Edwards BA[#], Granados A[^], Mohammed TF, Aini RQ, Cooper KM, Barnes ME, ***Brownell SE***. The experiences of students with concealable Muslim identities during peer interactions in undergraduate biology courses. CBE Life Sciences Education. September 2025. https://www.lifescied.org/doi/10.1187/cbe.24-10-0249

144. Nadile E, Winton M, Mohommed T, Collins J, **Brownell SE**, Cooper KM. Instructor-perceived benefits and costs of inviting students to answer questions voluntarily in large science courses. Advances in Physiology Education. August 2025. https://journals.physiology.org/doi/full/10.1152/advan.00186.2024

143. Busch CA[#], Bhanderi PB, **Brownell SE***, Cooper KM*. National Randomized Experimental Study Finds No Evidence of Undergraduate Bias Against LGB STEM Instructors, even in LGBTQ-Unfriendly States. BioScience. June 2025. https://academic.oup.com/bioscience/article/75/7/559/8157904

142. Aini R*, Edwards BA[#]*, Summerstill A, Epting C, Zheng Y, **Brownell SE***, Barnes ME*. Evidence for the efficacy of conflict reducing practices in evolution education in a randomized controlled study. CBE Life Sciences Education. May 2025. https://www.lifescied.org/doi/full/10.1187/cbe.24-05-0157

141. Cooper KM, Busch C[#], **Brownell SE**. Student identities predict classmate and instructor fear of negative evaluation among undergraduates in large-enrollment introductory biology courses. Journal of Microbiology and Biology Education. April 2025. https://journals.asm.org/doi/full/10.1128/jmbe.00191-24

140. Edwards BA[#], Barker MK, Barnes ME, ***Brownell SE***. How does an evolution instructor revealing as Christian or non-religious affect biology undergraduate students and their perceptions of the instructor? Journal of Microbiology and Biology Education. April 2025. https://journals.asm.org/doi/10.1128/jmbe.00016-25

139. Cooper KM, **Brownell SE**, et al. Meeting report: An interdisciplinary approach to addressing anxiety in undergraduate active learning biology courses. Advances in Physiology Education. March 2025. https://journals.physiology.org/doi/full/10.1152/advan.00147.2024
2024

138. Busch C[#], Barstow M, **Brownell SE**, Cooper KM. Why U.S. science and engineering undergraduates who struggle with mental health are left without role models. PLOS Mental Health. December 2024. https://journals.plos.org/mentalhealth/article?id=10.1371/journal.pmen.0000086

137. Aini R, Supriya K[+], Dunlop H[^], Edwards B, Maas S[^], Roberts J, Summersill A, Zheng Y, **Brownell SE***, Barnes ME*. Conflict reducing practices in evolution education are associated with increases in evolution acceptance in a large naturalistic study. PLOS One. December 2024. https://journals.plos.org/plosone/article?id=10.1371/journal.pone.0313490

Commentary

Phys.org

136. Mohammed TF, Doud N[#], **Brownell SE***, Cooper KM*. The upside to depression: Undergraduates benefit from an instructor revealing depression in a large-enrollment physiology course. Advances in Physiology Education. October 2024. https://journals.physiology.org/doi/full/10.1152/advan.00074.2024

Featured article for journal

135. Edwards B[#], Kolodisner J[^], Youngblood J, Cooper KM, ***Brownell SE***. Students respond positively to an instructor collecting and sharing aggregated class demographic data from a survey in a high-enrollment physiology course. Advances in Physiology Education. October 2024. https://journals.physiology.org/doi/full/10.1152/advan.00126.2024

134. Goodwin E[+], Gin LE[#], Cooper KM, **Brownell SE**. Addressing the need to facilitate undergraduate research experiences for community college transfer students in science. Journal of Microbiology and Biology Education. October 2024. https://journals.asm.org/doi/10.1128/jmbe.00090-24

133. Maas SA[^], Wiesenthal NJ, **Brownell SE***, Cooper KM*. Disrupting the master narrative in academic biology as LGBTQ+ Ph.D. students: learning, teaching, and conducting research. CBE Life Sciences Education. September 2024. https://www.lifescied.org/doi/10.1187/cbe.24-02-0058

132. Plaisier SB, Alarid DO, **Brownell SE**, Buetow K, Cooper KM, Wilson MA. Design and implementation of an asynchronous online course-based undergraduate research experience (CURE) in computational genomics. PLOS Computational Biology. September 2024. https://journals.plos.org/ploscompbiol/article?id=10.1371/journal.pcbi.1012384

131. Appel NT, Tanveer A, **Brownell S**, Blattman JN. Engaging undergraduate students in course-based research improved student learning of course material. CBE Life Sciences Education. August 2024. https://www.lifescied.org/doi/10.1187/cbe.22-05-0096

130. Aini R, Stewart M, **Brownell SE**, Barnes ME. Exploring Patterns of Evolution Acceptance, Evolution Understanding, and Religiosity among College Biology Students in the United States. Evolution Education and Outreach. August 2024. https://evolution-outreach.biomedcentral.com/articles/10.1186/s12052-024-00207-y

129. Supriya K[+], Bang C, Ebie J, Pagliarulo C, Tucker D, Villegas K[^], Wright C, ***Brownell SE***. Optional exam retakes reduce anxiety but may exacerbate score disparities between students with different social identities. CBE Life Sciences Education. June 2024. https://www.lifescied.org/doi/10.1187/cbe.21-11-0320

128. Busch C[#], Nadile E, Mohommed T, Gin LE[#], **Brownell SE**, Cooper KM. The scientific rules, roles, and values that life sciences graduate students want to see upheld by undergraduate researchers. Journal of Research in Science Teaching. June 2024. https://onlinelibrary.wiley.com/doi/full/10.1002/tea.21965

127. Goodwin E[+], Gin LE[#], Aeshlinman A[^], Afoakwa A[^], Allred B[^], Avalle S[^], Bell A[^], Berkheimer J[^], Brzezinski H[^], Campos R[^], Emerson H[^], Hess S[^], Montelongo A[^], Noshirwani N[^], Shelton W[^], Valdez E[^], White J[^], White Q[^], Wittekind E[^], Cooper KM, ***Brownell SE***. Who is represented in the research on undergraduate research experiences in the natural sciences? A review of literature. CBE LSE. May 2024. https://www.lifescied.org/doi/full/10.1187/cbe.23-07-0137

126. Grunspan DZ[+], Komperda R, Offendahl EG, Abraham AE[^], Etebari S[^], Maas SA[^], Roberts JA[^], Ghafoor S, **Brownell SE**. Importance of undergraduate institution prestige in faculty hiring networks. Physics Review Physics Education Research. May 2024 https://journals.aps.org/prper/abstract/10.1103/PhysRevPhysEducRes.20.010144

125. Busch C[#], Bhanderi P, Cooper KM, ***Brownell SE***. Few LGBTQ+ science and engineering instructors come out to students, despite potential benefits. CBE Life Sciences Education. April 2024. https://www.lifescied.org/doi/10.1187/cbe.23-10-0181

124. Goodwin E[+], Pais D[^], He J[^], Gin LE[#], ***Brownell SE***. Perspectives from undergraduate life sciences faculty: Are we equipped to effectively accommodate students with disabilities in our classrooms? CBE Life Sciences Education. April 2024. https://www.lifescied.org/doi/10.1187/cbe.23-05-0094

Commentary

Faculty Approachability Project LinkedIn Live Episode

123. Busch C[#], Araghi T[^], He J[^], Cooper KM, **Brownell SE**. Beyond gender and race: The representation of concealable identities among college science instructors. CBE Life Sciences Education. April 2024. https://www.lifescied.org/doi/10.1187/cbe.23-09-0170

Commentary

Chronicle of Higher Education https://www.chronicle.com/newsletter/teaching/2024-04-18?sra=true

Inside Higher Ed https://www.insidehighered.com/news/student-success/academic-life/2024/04/24/when-professors-share-identities-students-can-benefit#

ASU Now https://news.asu.edu/20240410-science-and-technology-asu-professors-explore-benefits-sharing-hidden-identities-classroom

Selected by Science Magazine as an Editor's Choice for Education

122. Castle SD, Byrd WC, Koester BP, Pearson MI, Bonem E, Caporale N, Cwik S, Denaro K, Fiorini S, Li Y, Mead C, Rypkema H, Sweeder R, Valdivia Medinaceli MR, Whitcomb KM, **Brownell SE**, Levesque-Bristol C, Molinaro M, Singh C, McKay T, Matz RL. Systemic Advantage Has a Meaningful Impact on Student Outcomes in Introductory STEM Courses at Six Research Universities. Int J of STEM Education. February 2024. https://stemeducationjournal.springeropen.com/articles/10.1186/s40594-024-00474-7

121. Barnes ME, Aini RQ, Collins JP, Dunk RDP, Holt EA, Jensen J, Klein JR, Misheva T[#], Nadelson LS, Reiss MJ, Romine WL, Shtulman A, Townley AL, Wiles JR, Zheng Y, **Brownell SE**. Evaluating the current state of evolution acceptance instruments: A research coordination network meeting report. Evolution Education and Outreach. January 2024. https://evolution-outreach.biomedcentral.com/articles/10.1186/s12052-024-00194-0

120. Edwards BA[#], Bowen C, Barnes ME, **Brownell SE**. Christian student experiences during peer interactions in undergraduate biology courses. CBE Life Sciences Education. January 2024. https://www.lifescied.org/doi/10.1187/cbe.23-01-0020

2023

119. Mead C, Price CR, Gin LE, Anbar A, Collins J, LePore P, **Brownell SE**. A comparative case study of the accommodation of students with disabilities in online and in-person degree programs. PLOS One. October 2023. https://journals.plos.org/plosone/article?id=10.1371/journal.pone.0288748

118. Misheva T[#], **Brownell SE***, Barnes ME*. "It's More Of A Me Thing Than An Evolution Thing": Exploring The Validity Of Evolution Acceptance Measures Using Student Interviews. CBE Life Sciences Education. September 2023. https://www.lifescied.org/doi/full/10.1187/cbe.23-01-0022

117. Misheva T[#], Nesse RM, Grunspan DZ[+*], **Brownell SE***. The EvMed Assessment (EMA): A test for measuring student understanding of core concepts in evolutionary medicine. EMPH. August 2023. https://academic.oup.com/emph/article/11/1/353/7256005

116. Google A, Bowen C, **Brownell SE**, Barnes ME. Isolation, Resilience, and Faith: Experiences of Black Christian Students in Biology Graduate Programs. Journal of Research in Science Teaching. August 2023. https://onlinelibrary.wiley.com/doi/full/10.1002/tea.21898

115. Busch C[#], Cooper KM*, **Brownell SE***. Women drive efforts to highlight concealable stigmatized identities in U.S. academic science and engineering. PLOS One. July 2023. https://journals.plos.org/plosone/article?id=10.1371/journal.pone.0287795

Commentary
Science careers https://www.science.org/content/article/women-faculty-members-share-more-about-themselves-when-teaching-new-study-reveals

PLOS One press release https://www.eurekalert.org/news-releases/995438

ASU Now https://news.asu.edu/20230719-discoveries-study-looks-sharing-stigmatized-identities-academic-stem-settings

Times Higher Education https://www.timeshighereducation.com/news/female-faculty-aid-us-students-confidences

114. Soneral P, **Brownell SE**, Barnes ME. Analysis of religious bias among Christian students in science. Journal for the Scientific Study of Religion. February 2023.
https://onlinelibrary.wiley.com/doi/10.1111/jssr.12825

113. Cooper KM, Eddy SL, **Brownell SE**. Research anxiety predicts undergraduates' intentions to pursue scientific research careers. CBE Life Sciences Education. January 2023.
https://www.lifescied.org/doi/10.1187/cbe.22-02-0022

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Article downloaded over 25,000 times, is in the top 1% of all research outputs ever tracked by Altmetric, and is #2 of 874 outputs from Advances in Physiology Education.

Commentary:
Generated international press, including New York Times, ABC news, NBC news, BBC, Fortune, The Telegraph, The Times, Daily Mail, Mother Jones, Jezebel, phys.org, Science Daily, AZcentral, Slate's The Gist, and dozens of other radio shows, blogs, and news postings.

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Commentary:
Nunn, C. A roadmap for 'core concepts' in evolutionary medicine. EMPH Editorial.

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Commentary:
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48. Barnes ME[#], Evans EM, Hazel A, **Brownell SE**, Nesse RM. Teleological reasoning, not acceptance of evolution, impacts students' ability to learn natural selection. Evolution Education and Outreach. October 2017. 12 pages. https://link.springer.com/article/10.1186/s12052-017-0070-6

47. Jordt H, Eddy SL, Brazil R, Lau I, Mann C, **Brownell SE**, King K, Freeman S. Eliminating the achievement gap in an undergraduate biology class using a values affirmation intervention. CBE Life Sciences Education. September 2017. 10 pages. https://www.lifescied.org/doi/full/10.1187/cbe.16-12-0351

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http://www.asmscience.org/content/journal/jmbe/10.1128/jmbe.v18i2.1287

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K. Cooper (2016) How Instructors Can Make Their Active Learning Classrooms More Inclusive to Members of the LGBTQIA Community. ASU SOLS Teachtech blog

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Featured in the 2015 Highlights issue of CBE Life Sciences Education

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Highlighted on the CUREnet website, a national organization focused on course-based undergraduate research experiences

Highlighted on the University of Wisconsin Madison Educational Innovation website
In the top 5% of all research outputs scored by Altmetic

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http://www.tandfonline.com/doi/full/10.1080/03075079.2015.1004234

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2014

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Highlighted in the journal Genetics as an Education Highlight

Highlighted on American Geophysical Union Blogosphere

Highlighted on PULSE community website. Highlighted on American Society for Cell Biology's Office Hours with EdComm. Highlighted on New Mexico Highlands University Achieving in Research, Math and Science (ARMAS) in Education Center website. Highlighted on Livingston College STEM Undergraduate Program to Promote Opportunities in Research and Training (SUPPORT) website.

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Commentary:
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Selected for Science Magazine as an Editor's Choice for Education

Highlighted in a NY Times OpEd on education "Is college lecturing biased?"

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Highlighted in the Vision and Change: Chronicling Change, Inspiring the Future Report

Highlighted on the websites for the National Science Foundation (NSF), American Institute for Biological Sciences (AIBS), PULSE community, Southeast Regional PULSE (SERP), and Oberlin College's Bio 100 syllabus.

Highlighted in Current Biology news story "Breathing fresh life into life science education"

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21. **Brownell SE**, Kloser MJ, Fukami T, and Shavelson R. Context matters: volunteer bias, small sample size, and the value of comparison groups in the assessment of research-based undergraduate introductory lab courses. Journal of Microbiology and Biology Education. December 2013.
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3867754/

Highlighted on Biology Scholars Research Residency website

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16. **Brownell SE**, Tanner KD. Barriers to Faculty Pedagogical Change: Lack of Training, Time, Incentives, and … Tensions with Professional Identity? Cell Biology Education- Life Sciences Education (CBE-LSE). December 2012. https://www.lifescied.org/doi/10.1187/cbe.12-09-0163

Finalist for Maryellen Weimer Scholarly Work on Teaching and Learning Award

Featured in 2013 Highlights issue of CBE LSE as an exemplar of life sciences education research
Highlighted as one of five featured articles in December 2012 issue

Highlighted in National Research Council report "Reaching Students"

Highlighted in Current Biology news story "Breathing fresh life into life science education"
Highlighted on PULSE community website and NSF's WIDER Program Solicitation

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12. Steinman L, Axtell RC, Barbieri D, Bhat R, **Brownell SE**, de Jong B, Dunn SE, Grant JL, Han MH, Ho PP, Kuipers HF, Kurnellas MP, Ousman SS, Rothbard J. Piet Mondrian's trees and the evolution in understanding multiple sclerosis, Charcot Prize Lecture 2011. Multiple Sclerosis. 2013. Jan 9.

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Pizza R, Goodwin E, Pais D, Gin L, Cooper K, **Brownell SE**. Left Out of Lab: STEM Undergraduates with Psychological Disabilities Participate Less in Research Experiences." Under review at CBE Life Sciences Education.

Chan BG, Anderson EP, Lu S, Abdellatif N, Cooper KM, **Brownell SE**. Can students cheat their way to a biology degree? A case study of the vulnerability of biology course grades to academic dishonesty in the era of generative AI. Under review at CBE Life Sciences Education.

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Editor-reviewed book chapters or articles

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8. Tarchinski N, Hammond JW, Cheng SJ, Guberman D, **Brownell SE**, Matz RL, Holder K, Singh C, Atkinson A, Levesque-Bristol C, and McKay T. The SEISMIC Collaboration: Equity Data, Diverse Teams, And Institutional Buy-in for Structural Reform. In Equity-Excellence Imperative in Action. 2026.

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4. Brownell SE, Cooper KM. A rebuttal to "A critical review of conclusions about disclosure of a mental illness on medical school applications." Advances in Physiology Education. September 2023. https://journals.physiology.org/doi/full/10.1152/advan.00185.2023

3. Hammond JW, **Brownell SE**, Cheng S, Byrd WC, Kedharnath N, McKay T. Infrastructuring to Scale Multi-institutional Equity and Inclusion Innovations. Change. August 2022. https://www.tandfonline.com/doi/full/10.1080/00091383.2022.2101866

Commentary editorial: https://www.tandfonline.com/doi/full/10.1080/00091383.2022.2101858

2. Hammond JW, **Brownell SE**, Cheng S, Kedharnath N, Byrd C. Why the Term 'JEDI' Is Problematic for Describing Programs that Promote Justice, Equity, Diversity and Inclusion. Scientific American. September 2021. https://www.scientificamerican.com/article/why-the-term-jedi-is-problematic-for-describing-programs-that-promote-justice-equity-diversity-and-inclusion/

1. Cooper KM[+] and **Brownell SE**. Student anxiety and fear of negative evaluation in active learning science classrooms. In Active Learning in College Science. February 2020.

Curriculum article

Cala J[#], Cooper KM[+], ***Brownell SE***. Using a Sequential Interpretation of Data in Envelopes (SIDE) approach to identify a mystery TRP channel. CourseSource. September 2018.

Professional Leadership:

Biology Education Research is an applied field with an active group of people and funding agencies that are interested in promoting national transformation of undergraduate biology education. Discussions and decisions about undergraduate education are almost exclusively done at the national level since other countries have different educational systems. I have been an invited participant to 21 small invite-only working group meetings of national leaders in the field, six of which have resulted in meeting reports/books of the proceedings. These working groups are often establishing national standards and open questions for the field.

- Senior editor, Life Sciences Education, 2025- present
- External reviewer, University of Arizona STEM Learning Center review, 2026
- Guest editor LSE Special Issue in Biology Education, 2023-2025
- External reviewer for department review, Pacific Lutheran University, 2023
- Steering Committee member, ASK Bio, 2020-2025
- Advisory board member, NSF CORE BCSER Science literacy skills, 2019- 2024
- Advisory board member, NSF IUSE iCREATE, 2023- 2025
- Advisory board member, NSF Virtual Conference Proposal: Chemistry Education Research Through the Lens of Inclusion, 2023- 2024
- National Science Foundation College of Reviewers for Undergraduate Education, 2018-2025
- National Science Foundation Grant Proposal Reviewer, TUES, IUSE, RCN-UBE, S-STEM, and CORE, 2013-2025
- SEISMIC National Network Institutional PI, 2019- 2022
- Steering Committee member, HHMI Question Database project, 2019- 2021
- Advisory board member, NSF IUSE grant BioSkills: A Roadmap to Institution Transformation of Core Competencies Teaching, 2017-2021
- Chronicle of Higher Education Teaching for Inclusivity webinar panelist, 2022
- Advisory board member, NSF IUSE grant Longitudinal Study of Early Career Faculty (FIRST IV former postdocs), 2017-2020
- American Society for Cell Biology NSF Faculty Research and Education Development (FRED) Program mentor, 2019-2020
- Talking about Leaving Revisited Learning Series Facilitator, 2020
- Invited member for 10-person Advanced Placement (AP) Biology Development Committee (one of only three higher education representatives) that writes and decides the content of the AP Biology exam administered to ~250,000 high school students, 2016-2019
- Inaugural Executive Committee for the Society for the Advancement of Biology Education Research (SABER), core member of initial leadership team for national society, 2018-2019
- Inaugural Steering Committee Member for the Society for the Advancement in Biology Education Research (SABER), helped create a mission statement, set of bylaws, and vision for this national society, 2017-2018
- PALM (Promoting Active Learning & Mentoring) Network Mentor, provided teaching mentorship to biology faculty as part of national network, 2017-2018
- Invited reviewer for National Academies report "Undergraduate Research Experiences for STEM Students: Successes, Challenges, and Opportunities," 2016
- Invited Discussion Leader for Gordon research meeting on Undergraduate Biology Education Research, 2015
- Invited Panelist/committee member for 20 small invite-only national meetings/working groups:
    - 2024 HHMI Community college transfer students meeting
    - 2019 Sustaining CUREs meeting
    - 2018 HHMI meeting on introductory biology assessment
    - 2018 Infusing Ethics into CUREs small working group meeting that resulted in a meeting report https://www.lifescied.org/doi/full/10.1187/cbe.18-10-0203

- 2017 Board on Life Sciences, Evolutionary medicine panel and Introductory biology panel
- 2017 Unpacking a Movement: Lessons Learned from Vision & Change meeting that resulted in a national report http://visionandchange.org/files/2018/09/VandC-2018-finrr.pdf
- 2017 NSF-funded EMBER (Environments and Metrics in Biology Education and Research) conference on promoting inclusion in undergraduate biology education
- 2017 National Academies panel for report launch of "Undergraduate Research Experiences for STEM Students: Successes, Challenges, and Opportunities"
- 2017 NSF-funded STEM Institute for Inclusive Teaching (SIIT) planning committee that planned the curriculum and assessment for a summer institute focused on promoting faculty inclusive teaching practices
- 2016 HHMI Constellation Studio focused on course-based research experiences that resulted in a meeting report https://www.hhmi.org/sites/default/files/PPDF16_SummaryReport_030917_1.pdf
- 2016 NSF-funded Cognitive Science-Discipline Based Education Research conference
- 2016 NSF-funded Course-based undergraduate research experiences assessment
- 2016 NSF-funded Course-based undergraduate research experiences for non-majors meeting that resulted in a peer-reviewed meeting report in CBE Life Sciences Education http://www.lifescied.org/content/16/2/mr2.full
- 2015 National Academies Convocation on Discovery-based Education that resulted in a National Report "Integrating Discovery-Based Research into the Undergraduate Curriculum: Report of a Convocation" https://www.nap.edu/catalog/21851/integrating-discovery-based-research-into-the-undergraduate-curriculum-report-of
- 2015 National Association of Biology Teachers (NABT) NSF-funded meeting on introductory biology
- 2015 NSF-funded Building capacity for community colleges in biology education research that resulted in a peer-reviewed meeting report in CBE Life Sciences Education http://www.lifescied.org/content/16/2/mr1.full
- 2014-2015 Gates Foundation-funded Social Science Research Council project on assessment in undergraduate biology that resulted in a book "Improving Quality in American Higher Education"
- 2014 HHMI course-based research experiences (CRE) assessment meeting
- 2014 NSF-funded Faculty Developers Network meeting
- 2014 NSF-funded Conceptual Assessments in Biology (CAB) meeting

Presentations:

635 total presentations. I have been invited to give 195 talks/keynotes at national conferences or seminars at institutions, 57 peer-reviewed presentations at meetings, and 383 of these presentations are by my trainees (postdoctoral scholars, graduate students, or undergraduates) on our collaborative work.

195 invited talks at conferences or seminars at institutions (18 international, 150 national, 27 at ASU):

2027 Arizona State University Academic Support Network Spring Training session, "How to build community through courses," Forthcoming January 2027.

2026 University of Utah Hugo Rossi Lecture, "Disclosure decisions: Exploring the concealable stigmatized identities of science instructors and how revealing can impact undergraduates," Forthcoming October 2026.

2026 University of Minnesota Biology Teaching and Learning Department seminar, "An inconvenient (lack of) truth: Students are cheating, and they think instructors don't care," Forthcoming September 2026.

2026 University of Arizona, "CURE Institute: Developing research and teaching goals for CUREs," Forthcoming September 2026.

2026 Simon Fraser University joint seminar between Centre for Accessible Learning and Educational Leadership, "Student Accommodations and inclusive teaching, in practice," Vancouver Canada, July 2026.

2026 University of California Irvine Department of Developmental and Cell Biology seminar, "Disclosure decisions: Exploring the concealable stigmatized identities of science instructors and how revealing can impact undergraduates," Irvine CA, May 2026.

2026 University of Northern Arizona CURE Institute workshop, "CURE Institute: Developing research and teaching goals for CUREs," Flagstaff AZ, May 2026.

2026 ASU School of Life Sciences departmental retreat, "Student voices on academic dishonesty," Scottsdale AZ, May 2026.

2026 ASU SEA Change Virtual meeting, "Are best practices in teaching working for current GenZ students?," April 2026.

2026 ASU Instructional Designers Quarterly Meeting, "Project GenZ: Are best practices in college teaching working for GenZ students?," Scottsdale AZ, April 2026.

2026 ASU School of Life Sciences Faculty Seminar Series, "Disclosure decisions: Exploring the concealable stigmatized identities of science instructors and how revealing can impact undergraduates," Tempe AZ, April 2026.

2026 ASU Research Summit on Inclusive Excellence, "Any student-instructor relationship is better than none," Tempe AZ, March 2026.

2026 American Society for the Advancement in Science workshop, "Fostering Religiously-Inclusive Engagement with Science," Phoenix AZ, February 2026.

2026 Arizona State University School of Life Sciences Faculty Assembly, "An inconvenient (lack of) truth: Students are cheating, and they think instructors don't care," February 2026

2026 Arizona State University School of Life Sciences Faculty Assembly, "Faculty mentoring of other faculty," January 2026.

2025 Western Washington University Department of Biology seminar, "Disclosure decisions: Exploring the concealable stigmatized identities of science instructors and how revealing can impact undergraduates," Bellingham WA, November 2025.

2025 Arizona State University STEM Inclusion Summit, "Building a culture of mental health support in STEM," Tempe AZ, October 2025.

2025 University of California Riverside Department of Entomology seminar, "Disclosure decisions: Exploring the concealable stigmatized identities of science instructors and how revealing can impact undergraduates," Riverside CA, October 2025.

2025 Middle Tennessee State University Mathematics and Science Education (MSE) invited virtual research seminar, "Evolving education without evolving accommodations: How students with disabilities are being left behind," October 2025.

2025 University of British Columbia invited seminar, "How active learning can present challenges for students with marginalized identities," Vancouver BC, Canada, September 2025.

2025 Simon Fraser University Department of Biology Sharp Ideas in Teaching and Learning invited seminar, "Disclosure decisions: Exploring the concealable stigmatized identities of science instructors and how revealing can impact undergraduates," Vancouver BC, Canada, September 2025.

2025 University of Arizona CURE Institute workshop "CURE Institute: Developing research and teaching goals for CUREs," Tucson AZ, September 2025.

2025 University of Northern Arizona CURE Institute workshop, "CURE Institute: Developing research and teaching goals for CUREs," Flagstaff AZ, May 2025.

2025 Minneapolis College CURE Institute workshop, "CURE Institute: Developing research and teaching goals for CUREs," Minneapolis MN, April 2025.

2025 Arizona State University Summit on Inclusive Excellence, "Disclosure decisions: Exploring the concealable stigmatized identities of science instructors and how revealing can impact undergraduates," Tempe AZ, April 2025.

2025 University of New Mexico Department of Chemistry and Chemical Biology invited seminar, "Disclosure decisions: Exploring the concealable stigmatized identities of science instructors and how revealing can impact undergraduates," Albuquerque NM, April 2025.

2025 University of Houston College of Pharmacy virtual invited talk, "Unintended challenges and opportunities of active learning courses that leads to differential impacts on students," January 2025.

2025 BREWMOR (Bridging Resources and Education with Model Organisms) virtual invited keynote, "How to inclusively assess student learning in undergraduate biology labs," January 2025.

2024 American Society for Cell Biology Bruce Alberts Excellence in Science Education invited talk, "Disclosure decisions: Exploring the concealable stigmatized identities of science instructors and how revealing can impact undergraduates," San Diego CA, December 2024.

2024 Council on Undergraduate Research webinar series invited talk, "How course-based undergraduate research experiences (CUREs) can address inequities in undergraduate research," November 2024.

2024 Arizona State University STEM Inclusion Summit, "Disclosure decisions: Exploring the concealable stigmatized identities of science instructors and how revealing can impact undergraduates," Tempe AZ, November 2024.

2024 New Mexico State University STEM+ Education Research Institute conference invited keynote, "Disclosure decisions: Exploring the concealable stigmatized identities of science instructors and how revealing can impact undergraduates," Las Cruces NM, October 2024.

2024 North Carolina A and T State University invited talk, "How to create more inclusive undergraduate evolution education for religious students," Greensboro NC, October 2024.

2024 Duke University invited talk, "Evolving education without evolving accommodations: How students with disabilities are being left behind," Durham NC, October 2024.

2024 North Carolina State University invited workshop, "Spotting sources of bias in undergraduate science," Raleigh NC, October 2024.

2024 North Carolina State University invited talk, "Disclosure decisions: Exploring the concealable stigmatized identities of science instructors and how revealing can impact undergraduates," Raleigh NC, October 2024.

2024 HHMI Inclusive Excellence Peer Implementation Cluster meeting, "Disclosure decisions: Exploring the concealable stigmatized identities of science instructors," Logan UT (virtual), May 2024.

2024 Northern Arizona University workshop, "CURE Institute: Developing research and teaching goals for CUREs," Flagstaff AZ, May 2024.

2024 University of Arizona workshop, "CURE Institute: Developing research and teaching goals for CUREs," Tucson AZ, May 2024.

2024 National Association for Biology Teachers Inclusive Teaching Symposium virtual keynote talk, "Disclosure decisions: Exploring the concealable stigmatized identities of science instructors," May 2024.

2024 University of Houston Inclusive Excellence seminar, "Disclosure decisions: Exploring the concealable stigmatized identities of science instructors," Houston TX, April 2024.

2024 University of Houston Inclusive Excellence workshop, "Spotting sources of bias in undergraduate science," Houston TX, April 2024.

2024 Arizona State University Research Reflect and RISE workshop, "How to make academic STEM spaces more inclusive for LGBTQ+ individuals," Tempe AZ, March 2024.

2024 Arizona State University Faculty Women's Association Faculty Development Program, "Inclusive Mentoring in STEM," Tempe AZ, March 2024.

2024 Northern Arizona University seminar, "The basics of a course-based undergraduate research experience," Virtual, February 2024.

2024 University of Virginia Inclusive Excellence Learning Community Conversations, "How to assess Course-based undergraduate research experiences (CUREs)," Virtual, February 2024.

2023 American Society for Cell Biology invited talk for the LGBTQ+ ally session, "Making undergraduate science inclusive for LGBTQ+ students," Boston MA, December 2023.

2023 American Society for Microbiology Conference for Undergraduate Educators (ASMCUE) plenary talk, "Disclosure decisions: Exploring the concealable stigmatized identities of science instructors," Phoenix AZ, November 2023.

2023 University of Vienna, "Disclosure decisions: Exploring the concealable stigmatized identities of science instructors," Vienna Austria, November 2023.

2023 ASU Committee for Strategic Charter Initiatives, "Evolving education without evolving accommodations: How students with disabilities are being left behind" Tempe AZ, November 2023.

2023 ASU Teaching, Innovation, and Excellence Collaborative (TIE) in the New College of Interdisciplinary Arts and Sciences virtual seminar, "Disclosure decisions: Exploring the concealable stigmatized identities of science instructors," November 2023.

2023 Vanderbilt University Biology seminar series, "Disclosure decisions: Exploring the concealable stigmatized identities of science instructors," Nashville TN, October 2023.

2023 Middle Tennessee State University Biology seminar series, "Disclosure decisions: Exploring the concealable stigmatized identities of science instructors," Murfreesboro TN, October 2023.

2023 Avnet, Inc. Listen and Learn for PRIDE, "Creating inclusive spaces in the workplace for LGBTQ+ individuals," Phoenix AZ, June 2023.

2023 University of Oregon Institute of Ecology and Evolution seminar, "The opportunities and challenges of active learning for student anxiety, LGBTQ+ students, and students with disabilities," Eugene OR, June 2023.

2023 Northern Arizona University workshop, "CURE Institute: Developing research and teaching goals for CUREs," Flagstaff AZ, May 2023.

2023 University of Arizona workshop, "CURE Institute: Developing research and teaching goals for CUREs," Tucson AZ, May 2023.

2023 University of California Merced Quantitative and Systems Biology department virtual seminar, "The opportunities and challenges of active learning for student anxiety, LGBTQ+ students, and students with disabilities," May 2023.

2023 Syracuse University Biology student seminar, "Who are your instructors", Syracuse NY, April 2023.

2023 Syracuse University Biology department special seminar, "The opportunities and challenges of active learning for student anxiety, LGBTQ+ students, and students with disabilities," Syracuse NY, April 2023.

2023 McGill University Office of Science Education seminar, "Disclosure decisions: Exploring the concealable stigmatized identities of science instructors," Montreal Canada, April 2023.

2023 McGill University Biology Department seminar, "Balancing pedagogical and research goals in the context of a course-based undergraduate research experience," Montreal Canada, April 2023.

2023 American Chemical Society meeting invited keynote for symposium Organic Chemistry at the Crossroads of Research and Education, "Balancing pedagogical and research goals in the context of course-based undergraduate research experiences," Indianapolis IN, March 2023.

2023 University of Texas at San Antonio Department of Neuroscience, Regenerative and Developmental Biology seminar, "Faculty identity in the science classroom: who is represented, what factors influence revealing concealable identities, and how does revealing affect students?," March 2023.

2023 Trinity College Center for Teaching and Learning invited virtual talk, "How active learning can differentially impact students of different identities," February 2023.

2023 Trinity College Center for Teaching and Learning invited virtual talk, "Faculty identity in the science classroom: who is represented, what factors influence revealing concealable identities, and how does revealing affect students?," February 2023.

2022 Faculty for Undergraduate Neuroscience (FUN) monthly virtual conversation series virtual talk, "Making more inclusive course syllabi," December 2022.

2022 Pace University Classroom Based Research Experiences symposium virtual keynote, "Balancing pedagogical and research goals in the context of course-based undergraduate research experiences," October 2022.

2022 Arizona State University Educational Outreach and Student Services downtown student seminar, "Making university STEM environments more inclusive for LGBTQ+ individuals," Phoenix AZ, October 2022.

2022 Arizona State University Research, Reflect, and RISE workshop, "How can we make undergraduate science exams more equitable?," Tempe AZ, September 2022.

2022 University of British Columbia STEM virtual plenary, "The opportunities and challenges of active learning for student anxiety, LGBTQ+ students, and students with disabilities," June 2022.

2022 Leipzig University Physics and Earth Sciences Department virtual seminar, "Gender inequities in university STEM courses," June 2022.

2022 SEISMIC Summer meeting short virtual talk, "Rapid transition to remote instruction: Impact of COVID-19 on student grades and perceived learning," June 2022.

2022 California State Polytechnic University- Pomona workshop, "CURE Institute: Developing research and teaching goals for CUREs," Pomona CA, June 2022.

2022 University of Arizona workshop, "CURE Institute: Developing research and teaching goals for CUREs," Tucson AZ, May 2022.

2022 University of Michigan seminar, "Making academic science environments more inclusive for LGBTQ+ individuals," Ann Arbor MI, May 2022.

2022 University of Michigan Enriching Scholarship short talk, "Evidence-based ways to increase student belonging in the active learning classroom," Ann Arbor MI, May 2022.

2022 Emory University Department of Biology virtual seminar, "The opportunities and challenges of active learning for student anxiety, LGBTQ+ students, and students with disabilities," April 2022.

2022 Harvard Medical School Graduate Science Education Series virtual seminar, "The opportunities and challenges of active learning for student anxiety, LGBTQ+ students, and students with disabilities," April 2022.

2022 University of Kentucky Department of Biology seminar, "The opportunities and challenges of active learning for student anxiety, LGBTQ+ students, and students with disabilities," Lexington KY, March 2022.

2022 Georgia State University Department of Biology seminar, "The opportunities and challenges of active learning for student anxiety, LGBTQ+ students, and students with disabilities," Atlanta GA, March 2022.

2022 University of North Carolina Chapel Hill Biology department virtual seminar, "Factors that predict student persistence in research: From lab environment to mental health," March 2022.

2022 University of California Irvine virtual seminar, "Making academic science environments more inclusive for LGBTQ+ individuals," January 2022.

2022 Society for Integrative and Comparative Biology (SICB) meeting invited John Moore closing plenary, "The opportunities and challenges of active learning for student anxiety, LGBTQ+ students, and students with disabilities," Phoenix AZ, January 2022.

2021 University of California Davis Scholarship of Teaching and Learning conference keynote, "The opportunities and challenges of active learning for student anxiety, LGBTQ+ students, and students with disabilities," Davis CA, December 2021.

2021 Howard Hughes Medical Institute (HHMI) Inclusive Excellence meeting invited virtual workshop, "Supporting students with disabilities as learning environments change," October 2021.

2021 University of Colorado Boulder Department of Ecology and Evolutionary Biology seminar, "Making academic science environments more inclusive for LGBTQ+ individuals," Boulder CO, September 2021.

2021 University of Denver joint Physics department and Biology department seminar, "Making academic science environments more inclusive for LGBTQ+ individuals," Denver CO, September 2021.

2021 Online with Life Sciences Education (LSE) virtual discussion speaker, "Fourteen recommendations to create a more inclusive environment for LGBTQ+ individuals in academic biology," June 2021.

2021 BCEENET- Biological Collections in Ecology & Evolution Network virtual talk, "Inclusive CURE Pedagogy," June 2021.

2021 Genetics Society of America Bridging Research and Education with Model Organisms (BREWMOR) group virtual talk, "Inequities in undergraduate research experiences: Possible concerns and potential strategies for inclusion," June 2021.

2021 Arizona State University Interdisciplinary Course-Based Undergraduate Research Experiences virtual workshop plenary, "Balancing pedagogical and research goals in the context of a course-based undergraduate research experience," June 2021.

2021 Arizona State University School of Life Sciences virtual seminar, "The promise, problems, and potential opportunities of an online biology program," April 2021.

2021 Arizona State University Libraries Lunch and Learn virtual seminar, "Making academic science environments more inclusive for LGBTQ+ individuals," April 2021.

2021 Chapman University Grand Challenges Initiative virtual talk, "Course-based undergraduate research experiences: What, why, and how?," March 2021.

2021 University of Arizona virtual workshop, "CURE Institute: Developing research and teaching goals for CUREs," March 2021.

2021 University of Arizona Department of Molecular and Cellular Biology virtual seminar, "Towards more inclusive active learning classrooms: How groups of students are differentially impacted by active learning," February 2021.

2021 Conference on Faith and Science (COFAS) virtual talk, "Using religious cultural competence in evolution education," February 2021.

2021 Trinity Washington University virtual workshop, "Course-based undergraduate research experiences: What, Why, and How?," February 2021.

2021 University of Pittsburgh Discipline-based Science Education Research Center virtual seminar, "Challenges for students with disabilities in active learning, undergraduate research, and the transition to online," February 2021.

2021 UC Santa Barbara Center for Innovative Teaching, Research, and Learning virtual seminar, "Challenges for students with disabilities in active learning, undergraduate research, and the transition to online," January 2021.

2021 UC Santa Barbara Center for Innovative Teaching, Research, and Learning virtual seminar, "Towards more inclusive active learning classrooms: How groups of students are differentially impacted by active learning," January 2021.

2020 Rutgers University INSPIRE Teaching virtual seminar, "Towards more inclusive active learning classrooms: How groups of students are differentially impacted by active learning," December 2020.

2020 University of North Texas Department of Biology virtual talk, "Towards more inclusive active learning classrooms: How groups of students are differentially impacted by active learning," November 2020.

2020 University of Michigan virtual talk, “Towards more inclusive active learning classrooms: How groups of students are differentially impacted by active learning,” September 2020.

2020 University of Arizona virtual workshop, “CURE Institute: Developing research and teaching goals for CUREs,” September 2020.

2020 Teaching Tomorrow’s Scientists: American Society for Cell Biology West virtual plenary talk, “How groups of students are differentially impacted by active learning,” Virtual talk, May 2020.

2019 Vanderbilt University Science Teaching Lunch Series seminar, “Towards more inclusive active learning classrooms: How groups of students are differentially impacted by active learning,” Nashville TN, November 2019.

2019 Middle Tennessee State University Mathematics and Science Education (MSE) Doctoral seminar, “Towards more inclusive active learning classrooms: How groups of students are differentially impacted by active learning,” Murfreesboro TN, November 2019.

2019 University of Hawaii Hilo Tropical Conservation Biology and Environmental Science (TCBES) Graduate Program seminar, “Towards more inclusive active learning classrooms: How groups of students are differentially impacted by active learning,” Hilo HI, October 2019.

2019 Lawrence University Biology department seminar, “Factors that predict student persistence in research: From lab environment to mental health,” Appleton WI, October 2019.

2019 Lawrence University Biology department workshop, “How to design and assess CUREs,” Appleton WI, October 2019.

2019 Lawrence University Biology department seminar, “Towards more inclusive active learning classrooms: How groups of students are differentially impacted by active learning,” Appleton WI, October 2019.

2019 Arizona State University Out@ASU seminar, “How to make undergraduate classrooms more inclusive of LGBTQ+ students,” Tempe AZ, October 2019.

2019 Arizona State University The College Assistant Professor Teaching at ASU workshop, “How to make your classroom more inclusive,” Tempe AZ, September 2019.

2019 Indiana University Science Symposium plenary talk, “Assessing Your CURE: Reflections on Course-Based Undergraduate Research Experiences,” Bloomington ID, September 2019.

2019 University of Münster Institute for Evolution departmental seminar, “Factors that predict student persistence in research: From lab environment to mental health”, Münster Germany, July 2019.

2019 European Molecular Biology Laboratory (EMBL) seminar, “Beneath the numbers: Invisible gender gaps in undergraduate biology courses,” Heidelberg Germany, July 2019.

2019 University of Münster Institute for Evolution departmental workshop “Spotting sources of bias: How to make your teaching and mentoring more inclusive of all students,” Münster Germany, June 2019.

2019 University of Münster Institute for Evolution departmental workshop "How to measure whether you are effective at teaching evolution," Münster Germany, June 2019.

2019 University of Münster Institute for Evolution symposium keynote seminar, "Using cultural competence to effectively teach evolution to religious students," Münster Germany, May 2019.

2019 Texas A&M University Transformational Teaching and Learning Conference plenary talk, "Towards more inclusive active learning classrooms: How groups of students are differentially impacted by active learning," College Station TX, May 2019.

2019 University of British Columbia Biology seminar, "Hidden inequities in active learning classrooms: How groups of students are differentially impacted by active learning," Vancouver Canada, February 2019.

2019 Simon Fraser University Biology department seminar, "Benefits associated with integrating teaching and research in course-based undergraduate research experiences," Vancouver Canada, February 2019.

2019 Boise State Center for Teaching and Learning workshop, "Course-based undergraduate research experiences: What, Why, and How?," Boise ID, January 2019.

2019 Boise State Biology Department seminar, "Benefits associated with integrating teaching and research in course-based undergraduate research experiences," Boise ID, January 2019.

2019 Kentucky Wesleyan College Center for Engaged Teaching and Learning Faculty Retreat keynote, "Course-based undergraduate research experiences: What, Why, and How?," Owensboro KY, January 2019.

2018 Stanford University Graduate School of Education Colloquium, "Revealing hidden inequities in undergraduate biology classrooms," Stanford CA, November 2018.

2018 University of California (UC) STEM Faculty Learning Community plenary talk, "Exploring the experiences of students with covert social identities in active learning classrooms," Santa Barbara CA, November 2018.

2018 National Association for Biology Teachers talk for national biology education research award, "A call to use cultural competence in evolution education," San Diego CA, November 2018.

2018 Zombie Apocalypse Medicine Meeting talk, "Culturally competent evolution education," Tempe AZ, October 2018.

2018 Brown University, Sheridan Center for Teaching and Learning HHMI-funded seminar, "Hidden gender inequities in undergraduate science courses," Providence RI, October 2018.

2018 Brown University Sheridan Center for Teaching and Learning HHMI-funded seminar, "How do I design and assess a CURE?," Providence RI, October 2018.

2018 Purdue University Biology Department seminar, "From conflict to common ground: Introducing religious cultural competence in evolution education," West Lafayette IN, September 2018.

2018 Michigan State University Plant Biology Department seminar, "Hidden inequities in undergraduate science classrooms – from exams to instructor humor," East Lansing MI, September 2018.

2018 American Association of Physics Teachers invited talk, "Exploring the influence of covert identities in active learning classrooms," Washington DC, July 2018.

2018 University of La Verne Keck-foundation sponsored workshop, "Building inclusive and fair classrooms: Spotting sources of bias in undergraduate classrooms," Pomona CA, June 2018.

2018 University of La Verne Keck-foundation sponsored workshop, "Assessment of courses that integrate teaching and research," Pomona CA, June 2018.

2018 American Society for Microbiology Microbe Symposium on Growing Your Data and Reaching More Students through Course-Based Research Experiences invited talk, "Balancing pedagogical and research goals in the context of a course-based undergraduate research experience," Atlanta GA, June 2018.

2018 Title V Cooperative Project between the UPR-MSC and Universidad Central del Caribe (UCC) plenary talk, "How to communicate science to a non-scientist," San Juan, Puerto Rico, May 2018.

2018 University of Alabama Birmingham Biology Department seminar, "From conflict to common ground: Introducing religious cultural competence in evolution education," Birmingham AL, April 2018.

2018 American Anthropological Association (AAPA) invited talk, "Religious cultural competence in evolution education (ReCCEE)," Austin TX, April 2018.

2018 University of Minnesota Biology Teaching and Learning Department seminar, "From conflict to common ground: A call for religious cultural competence in evolution education," Minneapolis MN, March 2018.

2018 James Madison University College of Science and Mathematics seminar, "Opportunities and tensions associated with integrating teaching and research in undergraduate lab courses," Harrisonburg VA, March 2018.

2018 James Madison University College of Science and Mathematics public lecture, "Student identity and inclusion in STEM active learning classrooms," Harrisonburg VA, March 2018.

2018 CUR (Council on Undergraduate Research) Dialogues plenary talk, "A sense of mission: Assessment of courses that integrate teaching and research," Washington DC, February 2018.

2018 Florida International University Biology Department seminar, "From conflict to common ground: Introducing religious cultural competence in evolution education," Miami FL, January 2018.

2017 Brigham Young University Biology Department seminar, "From conflict to common ground: Introducing religious cultural competence in evolution education," Provo UT, October 2017.

2017 Gordon Conference on Undergraduate Biology Education invited talk, "Who gets to participate in undergraduate research and how course-based undergraduate research experiences can make scientific research more inclusive," Easton MA, July 2017.

2017 European Molecular Biology Laboratory Committee's Inspirational Seminar, "Building inclusive and fair classrooms: Spotting sources of bias in biology classrooms," Heidelberg Germany, July 2017.

2017 University of Heidelberg Center for Organismal Studies seminar, "Hidden inequities in the classroom: Using data to uncover differential impacts on students in active learning classrooms," Heidelberg Germany, July 2017.

2017 Society of Experimental Biology international meeting invited talk, "Opportunities associated with course-based undergraduate research experiences (CUREs)," Gothenburg Sweden, June 2017.

2017 POGIL (Process-oriented Guided Inquiry Learning) national meeting plenary, "Hidden inequities in active learning classrooms: How groups of students are differentially impacted by active learning," St Louis MO, June 2017.

2017 University of Tennessee Knoxville Department of Ecology and Evolutionary Biology seminar, "Hidden inequities in active learning classrooms: How groups of students are differentially impacted by active learning," Knoxville TN, March 2017.

2017 University of Cincinnati STEM Education seminar, "Opportunities and tension points associated with course-based undergraduate research experiences," Cincinnati OH, March 2017.

2017 University of Cincinnati STEM Education seminar, "Hidden inequities in active learning classrooms: How groups of students are differentially impacted by active learning," Cincinnati OH, March 2017.

2017 University of Georgia Genetics Department seminar, "Hidden inequities in active learning classrooms: How groups of students are differentially impacted by active learning," Athens GA, March 2017.

2017 Rochester Institute of Technology (RIT) Science and Mathematics Education Research Collaborative seminar, "Hidden inequities in active learning classrooms: How groups of students are differentially impacted by active learning," Rochester NY, March 2017.

2017 Arizona State University Tempe Campus School of Human Evolution and Social Change workshop, "Spotting sources of bias in assessments," Tempe AZ, March 2017.

2017 Biology Leadership Conference (BLC) invited talk, "Opportunities associated with course-based undergraduate research experiences (CUREs)," Tucson AZ, February 2017.

2017 Society for the Advancement of Biology Education Research (SABER) West coast regional meeting invited talk, "How to assess your course-based undergraduate research experience (CURE)," Irvine CA, January 2017.

2016 San Francisco State University Department of Biology seminar, "Hidden inequities in active learning classrooms: How groups of students are differentially impacted by active learning," December 2016.

2016 Stanford University Department of Biology and Center for Teaching and Learning seminar, "Hidden inequities in active learning classrooms: How groups of students are differentially impacted by active learning," December 2016.

2016 Stanford University Department of Biology and Center for Teaching and Learning seminar, "Opportunities and tension points associated with course-based undergraduate research experiences," December 2016.

2016 Community College Undergraduate Research Initiative (CCURI) national meeting invited talk, "Assessment of course-based undergraduate research experiences," Glendale AZ, November 2016.

2016 HHMI constellation studio on implementing course-based research experiences at scale plenary, "Assessment of course-based undergraduate research experiences," Chevy Chase MD, November 2016.

2016 Arizona State University West Campus School of Mathematical & Natural Sciences seminar, "Hidden inequities in active learning classrooms: How groups of students are differentially impacted by active learning," Glendale AZ, September 2016.

2016 Arizona State University Tempe Campus Evidence-based teaching in STEM workshop, "Spotting sources of bias in assessments," Tempe AZ, September 2016.

2016 Arizona State University Tempe Campus Evidence-based teaching in STEM seminar, "Hidden inequities in active learning classrooms: How groups of students are differentially impacted by active learning," Tempe AZ, September 2016.

2016 American Society for Microbiology Conference on Undergraduate Education invited talk, "How to assess your course-based undergraduate research experience," Bethesda MD, July 2016.

2016 American Society for Microbiology Conference on Undergraduate Education invited talk, "Opportunities and tension points associated with integrating teaching and research in undergraduate biology lab courses," Bethesda MD, July 2016.

2016 American Society for Microbiology Conference on Undergraduate Education invited talk, "So you transformed your class to active learning – How do you assess the impact of active learning on students?," Bethesda MD, July 2016.

2016 Society for the Advancement in Biology Education Research plenary (long) talk, "Opportunities and tension points associated with course-based undergraduate research experiences," Minneapolis MN, July 2016.

2016 Course-based Undergraduate Research Experience Summer Institute plenary talk, "Course-based undergraduate research experiences: What, why, and how?," Austin TX, June 2016.

2016 American Society for Microbiology Microbe as part of a symposium Developing the Next Gen Scientist: The Role of Course Based Research in the Undergraduate Curriculum invited talk, "Faculty perspectives on course-based undergraduate research experiences," Boston MA, June 2016.

2016 Maricopa Community College Institute for Learning Research seminar, "An overview of biology education research," Phoenix AZ, April 2016.

2016 Portland State University Department of Biology seminar, "Hidden inequities in active learning classrooms: How groups of students are differentially impacted by active learning," Portland OR, April 2016.

2015 University of California San Diego Science of Teaching seminar, "Integrating teaching and research in undergraduate biology lab courses," La Jolla CA, December 2015.

2015 University of Washington Department of Biology seminar, "Integrating teaching and research in undergraduate biology lab courses," Seattle WA, November 2015.

2015 Course-based Undergraduate Research Experience Summer Institute plenary talk, "Opportunities associated with course-based undergraduate research experiences," Austin TX, June 2015.

2015 University of Texas Austin Freshman Research Initiative (FRI) seminar, "Promoting inclusion in undergraduate biology lab courses," Austin TX, June 2015.

2015 Midwest Great Plains PULSE regional meeting plenary talk, "Navigating from Vision to Change: Tools to help biology departments align curriculum with the core concepts of biology," St. Louis MO, June 2015.

2015 The Ohio State University Center for Life Science Education seminar, "Integrating teaching and research in undergraduate biology lab courses," Columbus OH, March 2015.

2015 The Ohio State University Center for Life Science Education seminar, "BioCore Guide: A tool to interpret the core concepts of Vision and Change for general biology majors," Columbus OH, March 2015.

2014 University of Minnesota College of Biological Sciences seminar, "From traditional lectures to active learning: Persistent gender differences in large introductory biology classrooms," November 2014.

2014 Botanical Society national meeting Vision and Change symposium invited talk, "Integrating teaching and research in undergraduate biology lab courses," Boise ID, July 2014.

2014 Southeast Regional PULSE Institute invited talk, "Course-based undergraduate research experiences (CUREs): Definition, outcomes, and assessment," Richmond VA, June 2014.

2014 Southeast Regional PULSE Institute plenary talk, "Professional identity as a barrier to faculty pedagogical change," Richmond VA, June 2014.

2014 Course-based Undergraduate Research Experiences Network (CUREnet) meeting invited talk, "Course-based undergraduate research experiences (CURE) assessment methods," Cold Spring Harbor NY, April 2014.

2014 Arizona State University Active Learning Symposium, "From traditional lectures to active learning: Persistent gender differences in large introductory biology classrooms," Tempe AZ, March 2014.

2013 Willamette University iScience conference invited talk, "Navigating from Vision to Change: Development of a framework for core concepts in biology for graduating biology majors," November 2013.

2013 Stanford Graduate School of Education Science Education Group invited talk, "Barriers to faculty pedagogical change," March 2013.

2013 Arizona State University School of Life Sciences invited talk, "How undergraduate biology students come to think like a biologist: insights gained from research-based lab courses," March 2013.

2013 Drexel University Department of Biology invited talk, "How undergraduate biology students come to think like a biologist: insights gained from research-based lab courses," March 2013.

2013 University of Georgia Division of Biological Sciences invited talk, "How undergraduate biology students come to think like a biologist: insights gained from research-based lab courses," February 2013.

2013 University of Northern Colorado School of Biological Sciences invited talk, "How undergraduate biology students come to think like a biologist: insights gained from research-based lab courses," February 2013.

57 peer-reviewed invited presentations at the following meetings where I was primary presenter (12 international, 45 national):

2026 International Council of Associations for Science Education (ICASE) short talk, "Randomized experimental study finds no evidence of student bias against queer university instructors," Cork, Ireland, June 2026.

2026 International Council of Associations for Science Education (ICASE) short talk, "Does Choice Matter? Student Rationales for Selecting Exam-Only Versus Participation-Based Grading," Cork, Ireland, June 2026.

2026 International Council of Associations for Science Education (ICASE) short talk, "Challenges to Evolution as a Core Concept in College Biology: Silence on Religion and Conflicting Goals for Acceptance," Cork, Ireland, June 2026.

2025 European Science Education Research Association (ESERA) short talk, "Using storytelling and conflict reducing practices to reduce undergraduate biology student perceptions of conflict between religion and evolution," Copenhagen, Denmark, August 2025.

2025 European Science Education Research Association (ESERA) short talk, “Beyond gender and race: The representation of concealable identities among college science instructors,” Copenhagen, Denmark, August 2025.

2025 European Science Education Research Association (ESERA) poster, “Randomized Experimental Study Finds No Evidence of Undergraduate Bias Against LGB STEM Instructors in the US, even in LGBTQ-Unfriendly States,” Copenhagen, Denmark, August 2025.

2025 Society for the Advancement in Biology Education Research (SABER) short talk, “Using storytelling and conflict reducing practices to reduce undergraduate biology student perceptions of conflict between religion and evolution,” Minneapolis MN, July 2025.

2025 Society for the Advancement in Biology Education Research (SABER) poster, “Students respond positively to an instructor collecting and sharing aggregated class demographic data from a survey in a high-enrollment physiology course,” Minneapolis MN, July 2025.

2025 Society for the Advancement in Biology Education Research (SABER) workshop, “Understanding and promoting mental health among undergraduates, graduate students, and faculty in academic science,” Minneapolis MN, July 2025

2024 Society for the Advancement in Biology Education Research (SABER) West poster, “Undergraduates have few science instructor role models with concealable stigmatized identities,” Irvine CA, January 2024.

2023 Australasian Science Education Research Association (ASERA) talk, “Disclosure decisions: Exploring the concealable stigmatized identities of science instructors,” Cairns Australia, June 2023.

2023 Australasian Science Education Research Association (ASERA) talk, “The upside to depression: Undergraduates benefit from an instructor revealing depression in a large-enrollment physiology course,” Cairns Australia, June 2023.

2023 Society for the Advancement in Biology Education Research (SABER) West coast regional meeting poster, “Instructors revealing LGBTQ+ identities in academia,” Irvine CA, January 2023.

2022 Society for the Advancement in Biology Education Research (SABER) poster, “Coming Out in Academia: Factors that influence instructor decisions to reveal their LGBTQ+ identities to undergraduates,” Minneapolis MN, July 2022.

2022 Biology Leadership Conference (BLC) poster, “Instructor perceptions of undergraduate incivility in online science courses,” Phoenix AZ, April 2022.

2022 American Association for the Advancement of Science virtual meeting symposium moderator, “Evidence for Reducing Perceived Conflict between Religion and Science,” February 2022.

2020 Society for Personality and Social Psychology (SPSP) meeting poster, “Christianity as a concealable stigmatized identity among biology graduate students,” New Orleans LA, February 2020.

2019 American Society for Cell Biology meeting poster, "Factors that predict life sciences student persistence in undergraduate research experiences," Washington DC, December 2019.

2019 Society for Advancement of Chicanos/Hispanics and Native Americans in Science talk, "Coming on board with evidence-based teaching practices in biology classrooms through the Promoting Active Learning and Mentoring (PALM) Network," Honolulu HI, October 2019.

2019 Society for the Advancement of Biology Education Research poster, "Testing Religious Cultural Competence in Evolution Education Nationwide," Minneapolis MN, July 2019.

2019 International conference on underpinnings, requirements, and effects of undergraduate research experiences poster, "The impact of broadly relevant novel discoveries on student project ownership in a traditional lab course turned CURE by using a mutant strain of mice," Stuttgart Germany, June 2019.

2019 Society for Personality and Social Psychology national meeting poster, "Exploring anxiety in large-enrollment active learning undergraduate classrooms," Portland OR, February 2019.

2018 American Society for Cell Biology meeting poster, "Same curriculum, different mice, different student outcomes: A comparison of a traditional lab course and a course-based undergraduate research experience," San Diego CA, December 2018.

2018 American Society for Cell Biology meeting talk, "Identifying the unwritten rules of undergraduate research," San Diego CA, December 2018.

2018 Pixel International Future of Education meeting talk, "Building inclusive and fair classrooms: spotting sources of bias in undergraduate classrooms," Florence Italy, June 2018.

2018 International Society of Learning Sciences meeting talk/poster, "Exploring the impact of different types of instructor generated videos on student learning in a university physiology course," London England, June 2018.

2018 Experimental Biology poster, "A comparison of instructor-generated videos of either an instructor alone or an instructor and a student: Student performance, attitudes, and preferences," San Diego CA, April 2018.

2018 American Educational Research Association (AERA) talk, "Religiosity and acceptance of evolution predict career choices among college biology students," New York NY, April 2018.

2018 Society for the Advancement of Biology Education Research (SABER) West coast regional meeting poster, "Identifying the unwritten rules of obtaining undergraduate research experiences," Irvine CA, January 2018.

2017 Society for the Advancement of Biology Education Research poster, "Who perceives they're smarter? Exploring the influence of gender, transfer student status, and native English speaking on student academic self-concept in physiology," Minneapolis MN, July 2017.

2017 Higher Education Teaching and Learning (HETL) Conference on Creating Inclusion in Higher Education talk, "Hidden inequities in active learning classrooms: How groups of students are differentially impacted by active learning," Paisley, Scotland, June 2017.

2017 National Association for Research in Science Teaching (NARST) talk, "Instructional practices of evolution instructors at Christian universities," San Antonio TX, April 2017.

2017 National Association for Research in Science Teaching (NARST) interactive poster symposium Biology Education Research (BER) at NARST, "Coming out in Life (Sciences): LGBTQIA faculty experiences in Biology," San Antonio TX, April 2017.

2017 American Association for the Advancement in Science (AAAS) talk, "How can we teach evolution to religious students who may be resistant?" Boston MA, February 2017.

2017 Biology Leadership Conference (BLC) poster, "What's in a name? The importance of student perceptions of an instructor knowing their names in a high enrollment biology course," Tucson AZ, February 2017.

2017 Society for the Advancement of Biology Education Research (SABER) West coast regional meeting talk, "BioCore Guide: A tool to interpret the core concepts of Vision and Change for general biology majors," Irvine CA, January 2017.

2017 Society for the Advancement of Biology Education Research (SABER) West coast regional meeting workshop, "Building inclusive and fair classrooms: Spotting sources of bias in biology classrooms," Irvine CA, January 2017.

2016 American Society for Cell Biology poster, "Coming out in class: The challenges and opportunities of active learning for LGBTQIA students in an undergraduate biology class," San Francisco CA, December 2016.

2016 American Society for Microbiology Conference on Undergraduate Education poster, "A bridge to active learning: A summer bridge program helps students to maximize active learning experiences and the active learning experiences of others," Bethesda MA, July 2016.

2016 Experimental Biology poster, "Navigating from Vision to Change: Tools to help biology departments align curriculum with the core concepts of biology," San Diego CA, April 2016.

2015 American Society for Cell Biology national meeting talk, "The development and validation of tools to help biology departments navigate from Vision to Change," San Diego CA, December 2015.

2015 Association for American Colleges and Universities national STEM Education meeting talk, "Align your curriculum to Vision and Change using the BioCore Guide and BioMaps programmatic assessment," Seattle WA, November 2015.

2015 Gordon Research Conference: Undergraduate Biology Education Research poster, "A high enrollment course-based undergraduate research experience improves student conceptions of scientific thinking," Lewiston ME, July 2015.

2014 Life Discovery Science Meeting talk, "BioCore Guide: A tool for interpreting the core concepts of Vision and Change," San Jose CA, October 2014.

2014 Society for the Advancement in Biology Education Research (SABER) national meeting talk, "BioCore Guide: A tool to interpret the core concepts of Vision and Change for general biology majors," Minneapolis MN, July 2014.

2014 Experimental Biology national meeting talk, "Building a learning progression of undergraduate students' conceptions of two important aspects of experimental design: sample size and repetition of experiments," San Diego CA, April 2014.

2014 Experimental Biology national meeting poster, "BioCore Guide: an interpretation of the core concepts of vision and change for general biology majors San Diego CA," April 2014.

2014 Course-based Undergraduate Research Experiences Network (CUREnet) national meeting workshop, "Faculty perspectives on developing course-based undergraduate research experiences," Cold Spring Harbor Labs NY, April 2014.

2013 Vision and Change: Chronicling Change Meeting poster, "Navigating from Vision to Change: Curriculum assessment in University of Washington's Department of Biology," Washington DC, August 2013.

2013 American Society for Biochemistry and Molecular Biology: Student-centered Education in the Molecular Life Sciences Meeting poster, "Navigating from Vision to Change: Curriculum assessment in University of Washington's Department of Biology," Seattle WA, July 2013.

2013 Society for the Advancement of Biology Education Research (SABER) Meeting talk, "In-class activities on experimental design reveal undergraduate students' conceptions of sample size and repetition of experiments," Minneapolis MN, July 2013.

2013 Society for the Advancement of Biology Education Research (SABER) Meeting poster, "Navigating from Vision to Change: Curriculum assessment in University of Washington's Department of Biology," Minneapolis MN, July 2013.

2012 American Society for Cell Biology (ASCB) Meeting poster, "Integrating teaching and research in a research-based introductory biology laboratory curriculum: results of a three-year comparison evaluation," San Francisco CA, December 2012.

2012 Society for the Advancement of Biology Education Research (SABER) Meeting poster, "The impact of a writing-intensive course on developing undergraduate science students' abilities to read primary scientific papers and communicate science," Minneapolis MN, July 2012.

2012 American Society for Microbiology Conference for Undergraduate Educators Meeting poster, "Integrating teaching and research in a research-based introductory biology laboratory curriculum: results of a three-year comparison evaluation," San Mateo CA, June 2012.

2011 Society for the Advancement of Biology Education Research (SABER) Meeting poster, "Integrating teaching and research in an inquiry-based curriculum positively impacts student attitudes towards research," Minneapolis MN, July 2011.

2011 National Science Teachers Association (NSTA) Meeting talk, "Exploring the impact of cookbook and authentic research-based undergraduate biology lab courses," San Francisco CA, March 2011.

383 peer-reviewed invited presentations on my work with a trainee as a primary presenter at the following venues (13 international, 294 national, 76 at ASU):

2026 Society for the Advancement of Biology Education Research (SABER) talk, “An exploration of science faculty motivation in providing student accommodations across institution types,” Ben Chan, East Lansing, MI, July 2026.

2026 Society for the Advancement of Biology Education Research (SABER) talk, “The Impact of Science Instructor Disclosure of a Mental Health Condition to Students,” Tasneem Mohommed, East Lansing, MI, July 2026.

2026 Society for the Advancement of Biology Education Research (SABER) talk, “Beyond disability: The heterogeneous experiences of students with disabilities in STEM,” Riley Pizza, East Lansing, MI, July 2026.

2026 Society for the Advancement of Biology Education Research (SABER) poster, “The impact of disability characteristics & type on student college experiences: a national survey of undergraduate students with disabilities,” Danielle Pais, East Lansing, MI, July 2026.

2026 Society for the Advancement of Biology Education Research (SABER) poster, “Greater trust or just frustration? A case study exploring student reactions to an emotional discussion about academic dishonesty” Ben Chan, East Lansing, MI, July 2026.

2026 Society for the Advancement of Biology Education Research (SABER) poster, “Autonomy, Accountability, or Access? Why Students Choose Exam-Only Versus Participation-Based Grading” Anmary Thomas, East Lansing, MI, July 2026.

2026 Society for the Advancement of Biology Education Research (SABER) poster, “ADHD as a concealable stigmatized identity among STEM undergraduates,” Riley Pizza, East Lansing, MI, July 2026.

2026 Society for the Advancement of Biology Education Research (SABER) virtual poster, “Who’s in your class? Examining the impacts of a get-to-know-you survey nationwide,” Baylee Edwards, June 2026.

2026 Society for the Advancement of Biology Education Research (SABER) virtual poster, “Addressing Academic Integrity Issues: An Path to Students Perceiving an Instructor Cares,” Jusreen Kaur, June 2026.

2026 Society for the Advancement of Biology Education Research (SABER) virtual poster, “How do undergraduate students perceive they are impacted by their large-enrollment science instructor sharing information about herself during class?,” Molly Budhiraja, June 2026.

2026 Society for the Advancement of Biology Education Research (SABER) virtual poster, “How “ChatGPT-able” Is a Biology Degree? An Investigation of Biology Course Syllabi in the AI Era,” Ethan Anderson, June 2026.

2026 ASU Research in Inclusive Excellence Summit talk, “Are faculty motivated to provide accommodations for students with disabilities?,” Ben Chan, Tempe AZ, March 2026.

2026 American Association for the Advancement in Science (AAAS) meeting poster, “Exploring STEM Faculty Motivations for Accommodating Students across Institutions,” Ben Chan, Phoenix AZ, February 2026.

2026 American Association for the Advancement in Science (AAAS) meeting poster, "Student perceptions of a science professor collecting and sharing class demographics," Baylee Edwards, Phoenix AZ, February 2026.

2026 Arizona State University Future of Learning Community (FOLC) Fest poster, "Exploring science and engineering faculty motivations for accommodating students with disabilities," Ben Chan, Tempe AZ, February 2026.

2026 Arizona State University Future of Learning Community (FOLC) Fest poster, "Who's in your class? Examining the impacts of a get-to-know-you survey nationwide," Baylee Edwards, Tempe AZ, February 2026.

2025 Arizona State University STEM Inclusion Summit poster, "Translating Research Into Practice: The RISE Ambassadors Program," Lennessa Mazo, Tempe AZ, October 2025.

2025 Arizona State University STEM Inclusion Summit poster, "Comparing science faculty motivation in providing student accommodations across institution types," Ben Chan and Danielle Pais, Tempe AZ, October 2025.

2025 Arizona State University STEM Inclusion Summit poster, "Academic integrity issues: An unexpected path to perceiving an instructor cares," Jusreen Kaur, Tempe AZ, October 2025.

2025 Arizona State University STEM Inclusion Summit poster, "Project GenZ: How to teach generation Z," Ethan Anderson and Mathew Griffin, Tempe AZ, October 2025.

2025 Arizona State University STEM Inclusion Summit poster, "Undergraduate science students respond positively to an instructor collecting and sharing aggregated class demographic data from a survey," Baylee Edwards, Tempe AZ, October 2025.

2025 European Science Education Research Association (ESERA) poster, "Undergraduate science students respond positively to an instructor collecting and sharing aggregated class demographic data from a survey", Baylee Edwards, Copenhagen Denmark, August 2025.

2025 Society for the Advancement of Biology Education Research (SABER) poster, "Different types of laboratory experiences fill different needs: The value of a breadth of experiences to prepare undergraduates for biology careers" Emma Goodwin, Minneapolis MN, July 2025.

2025 Society for the Advancement of Biology Education Research (SABER) poster, "An exploration of science faculty motivation in providing student accommodations across institution types" Ben Chan and Riley Pizza, Minneapolis MN, July 2025.

2024 Arizona State University Research for Inclusive STEM Education (RISE) Center STEM Inclusion Summit, "Should I reveal that I have bipolar disorder on my medical school applications?" Baylee Edwards, Tempe AZ, November 2024.

2024 Arizona State University School of Life Sciences 21st Anniversary Poster Competition, "Should I reveal that I have bipolar disorder on my medical school applications?" Baylee Edwards, Tempe AZ, October 2024.

2024 European Society for the Study of Science and Theology (ESSSAT) talk, “The story of how one can reduce conflict between religion and evolution,” Baylee Edwards, Split Croatia, August 2024.

2024 Society for the Advancement of Biology Education Research (SABER) talk, “Exploring the costs of undergraduate research for low-income students,” Emma Goodwin, Minneapolis MN, July 2024.

2024 Society for the Advancement of Biology Education Research (SABER) talk, “Should I reveal that I have bipolar disorder on my medical school applications?,” Baylee Edwards, Minneapolis MN, July 2024.

2024 Society for the Advancement of Biology Education Research (SABER) poster, “Experiences of Christian and Muslim students during peer interactions in their undergraduate biology courses,” Baylee Edwards, Minneapolis MN, Forthcoming July 2024.

2024 International Research Network for the Study of Science and Belief in Society (INSBS) short talk, “Secular biology graduate teaching assistant perceptions of the relationship between religion and evolution,” Baylee Edwards, Frankfurt Germany, July 2024

2024 Kennesaw State University Department of Biology invited talk, “Identifying Barriers and Opportunities in Undergraduate Research Experiences,” Emma Goodwin, Kennesaw GA, March 2024.

2024 University of Georgia Microbiology department invited talk, “Identifying Barriers and Opportunities in Undergraduate Research Experiences,” Emma Goodwin, Athens GA, February 2024.

2024 Chapman University biology department invited talk, “Supporting Inclusion in Undergraduate Research Experiences,” Emma Goodwin, Orange County CA, February 2024.

2024 Oklahoma State University biology department invited talk, “Identifying Barriers and Opportunities in Undergraduate Research Experiences,” Emma Goodwin, Stillwater OK February 2024.

2024 University of Washington Biology Learning and Teaching Community invited virtual talk, “Secular biology graduate teaching assistant perceptions of the relationship between religion and evolution,” Baylee Edwards, January 2024.

2024 SABER West talk, “Secular graduate teaching assistants' perceptions of the relationship between religion and evolution,” Baylee Edwards, Irvine CA, January 2024.

2024 Southeastern STEM Education Research Conference (S2ERC) short talk, “Beyond gender and race: The representation of concealable identities among college science instructors,” Carly Busch, Murfreesboro TN, January 2024.

2023 American Society for Microbiology Conference for Undergraduate Educators (ASM CUE) talk, “How do undergraduate life sciences instructors handle accommodations for students with disabilities?,” Emma Goodwin, Phoenix AZ, November 2023.

2023 American Society for Microbiology Conference for Undergraduate Educators (ASM CUE) talk, “Secular graduate teaching assistants' perceptions of the relationship between religion and evolution,” Baylee Edwards, Phoenix AZ, November 2023.

2023 American Society for Microbiology Conference for Undergraduate Educators (ASM CUE) poster, “Christian students experiences during peer interactions in undergraduate biology courses,” Baylee Edwards, Phoenix AZ, November 2023.

2023 American Society for Microbiology Conference for Undergraduate Educators (ASM CUE) poster, “To what extent do different demands of academia affect science faculty’s mental health?,” Tasneem Mohammed, Phoenix AZ, November 2023.

2023 ASU Institute for Social Science Research (ISSR) Graduate Student Poster Competition, “Secular graduate teaching assistants’ perceptions of the relationship between religion and evolution,” Baylee Edwards, Arizona State University, Tempe AZ, November 2023.

2023 ASU STEM Inclusion Summit poster, “Anxiety in active learning: First findings from an RCN UBE incubator meeting,” Virginia Downing, Tempe, AZ, October 2023.

2023 ASU STEM Inclusion Summit poster, “Secular graduate teaching assistants’ perceptions of the relationship between religion and evolution,” Baylee Edwards, Tempe, AZ, October 2023.

2023 ASU STEM Inclusion Summit poster, “How do different personal identities impact the experiences of undergraduate STEM students with disabilities,” Emma Goodwin, Tempe, AZ, October 2023.

2023 ASU STEM Inclusion Summit poster, “Are high impact practices accessible for all? Exploring the factors impacting engagement in beneficial educational experiences for undergraduate STEM students with disabilities,” Logan Gin, Tempe, AZ, October 2023.

2023 ASU STEM Inclusion Summit poster, “The upside to depression: Undergraduates benefit from an instructor revealing depression in a large enrollment physiology course,” Tasneem Mohammed, Tempe, AZ, October 2023.

2023 ASU STEM Inclusion Summit poster, “Breaking the silence: Exploring the disclosure of LGBTQ+ identities among science and engineering instructors,” Parth Bhanderi, Tempe, AZ, October 2023.

2023 ASU STEM Inclusion Summit short talk, “Perspectives from undergraduate science instructors: Are we equipped to effectively accommodate students with disabilities in our classrooms?,” Emma Goodwin, Tempe, AZ, October 2023.

2023 AAAS-IUSE virtual national workshop, “Course-based Undergraduate Research Experiences (CUREs): Incorporating STEM Research into the Curriculum," Emma Goodwin, October 2023.

2023 Research for Inclusive STEM Education (RISE Center) “Research, Reflect, and RISE” workshop, “How do we make evolution education more effective?” Arizona State University, Tempe AZ, September 2023.

2023 Society for the Advancement in Biology Education Research (SABER) national meeting short talk, “Revealing an LGBTQ+ identity improves instructor likeability and rapport among undergraduate biology students in a randomized study,” Carly Busch, Minneapolis MN, July 2023.

2023 Society for the Advancement in Biology Education Research (SABER) national meeting short talk, “Perspectives from undergraduate life sciences instructors: Are we equipped to effectively accommodate students with disabilities in our classrooms?” Emma Goodwin, Minneapolis MN, July 2023.

2023 Society for the Advancement in Biology Education Research (SABER) national meeting poster, “How can we support low-income students in undergraduate research experiences?,” Emma Goodwin, Minneapolis MN, July 2023.

2023 Society for the Advancement in Biology Education Research (SABER) national meeting poster, “Secular graduate teaching assistants’ perceptions of the relationship between religion and evolution,” Baylee Edwards, Minneapolis MN, July 2023.

2023 Society for the Advancement in Biology Education Research (SABER) national meeting poster, “EvMed Assessment: A test for measuring student understanding of evolutionary medicine,” Taya Misheva, Minneapolis MN, July 2023.

2023 Society for the Advancement in Biology Education Research (SABER) national meeting short talk, “Do biology instructors reveal Christian identities and how could this impact themselves and students?,” Baylee Edwards, Minneapolis MN, July 2023.

2023 Society for the Advancement in Biology Education Research (SABER) national meeting poster, “The upside to depression: Undergraduate benefit from an instructor revealing depression in a large-enrollment physiology course,” Tasneem Mohammed, Minneapolis MN, July 2023.

2023 International Research Network for the Study of Science and Belief in Society (INSBS) talk, “Christian student experiences during peer interactions in undergraduate biology courses,” Baylee Edwards, UK, July 2023.

2023 Gordon research conference on Undergraduate Biology Education Research poster, “Secular graduate teaching assistants’ perceptions of the relationship between religion and evolution,” Baylee Edwards, Lewiston ME, June 2023.

2023 Gordon research conference on Undergraduate Biology Education Research poster, “Undergraduates have few science instructor role models with concealable stigmatized identities,” Carly Busch, Lewiston ME, June 2023.

2023 Gordon research conference on Undergraduate Biology Education Research poster, “How can we support low-income students in undergraduate research experiences?,” Emma Goodwin, Lewiston ME, June 2023.

2023 Gordon research seminar on Undergraduate Biology Education Research poster, “Christian student experiences during peer interactions in undergraduate biology courses,” Baylee Edwards, Lewiston ME, June 2023.

2023 Gordon research seminar on Undergraduate Biology Education Research poster, "An instructor revealing an LGBTQ+ identity improves student-instructor rapport among undergraduate biology students in a randomized study," Carly Busch, Lewiston ME, June 2023.

2023 Gordon research seminar on Undergraduate Biology Education Research poster, "Perspectives from undergraduate life sciences instructors: Are we equipped to effectively accommodate students with disabilities in our classrooms?," Emma Goodwin, Lewiston ME, June 2023.

2023 ASU Undergraduate research symposium poster, "The dual benefits of a science education CURE: Developing research skills for community college transfer students while advancing the research on undergraduate research experiences," Bec Kalfus, Tempe AZ, April 2023.

2023 ASU Institute for Social Science Research poster, "Women drive efforts to highlight concealable stigmatized identities in U.S. academic science and engineering," Carly Busch, Tempe AZ, April 2023.

2023 UCLA Center for Education Innovation and Learning in the Sciences EdTalks virtual seminar, "When disabilities make school harder, you don't get to do all the extras: Participation in high-impact extracurriculars for students with disabilities," Emma Goodwin, April 2023.

2023 X-DBER virtual conference talk, "Perspectives from undergraduate science instructors: Are we equipped to effectively accommodate students with disabilities in our classrooms?," Emma Goodwin, April 2023.

2023 X-DBER virtual conference talk, "Christian student experiences during peer interactions in undergraduate biology courses," Baylee Edwards, April 2023.

2023 University of Washington Biology Education Research Group virtual seminar, "Perspectives from undergraduate life sciences instructors: Are we equipped to effectively accommodate students with disabilities in our classrooms?," Emma Goodwin, February 2023.

2023 ASU EdPlus webinar, "Exploring the Importance of Instructors' Concealable Stigmatized Identities," Carly Busch, February 2023.

2023 American Association for the Advancement of Science (AAAS) e-poster, "Christian student experiences in peer interactions in undergraduate biology courses," Baylee Edwards, February 2023.

2023 American Association for the Advancement in Science (AAAS) e-poster finalist, "Women drive efforts to highlight concealable stigmatized identities in science," Carly Busch, Washington DC, February 2023.

2023 Society for the Advancement in Biology Education Research (SABER) West talk, "Christian Student Experiences During Peer Interactions in Undergraduate Biology Courses," Baylee Edwards, Irvine CA, January 2023.

2023 Society for the Advancement in Biology Education Research (SABER) West talk, "Perspectives from undergraduate life sciences instructors: Are we equipped to effectively accommodate students with disabilities in our classrooms?," Emma Goodwin, Irvine CA, January 2023.

2023 Society for the Advancement in Biology Education Research (SABER) West poster, "The positive impact of an instructor revealing depression to undergraduates in a large-enrollment physiology course," Nolina Doud, Irvine CA, January 2023.

2023 Society for the Advancement in Biology Education Research (SABER) West poster, "Defining Acceptance of Evolution: A Delphi Study," Taya Misheva, Irvine CA, January 2023.

2023 Society for the Advancement in Biology Education Research (SABER) West poster, "How do different personal identities impact the experiences of undergraduate STEM students with disabilities?," Emma Goodwin, Irvine CA, January 2023.

2023 Society for the Advancement in Biology Education Research (SABER) West poster, "Women drive efforts to highlight concealable stigmatized identities in U.S. academic science and engineering," Carly Busch, Irvine CA, January 2023.

2022 ASU Natural Sciences Inclusion Summit poster, "The dual benefits of a science education CURE: Developing research skills for community college transfer students while advancing the research on undergraduate research experiences," Emma Goodwin, Tempe AZ, November 2022.

2022 ASU Natural Sciences Inclusion Summit poster, "Coming out in academia: Factors that influence instructor decisions to reveal their LGBTQ+ identities to undergraduates," Carly Busch, Tempe AZ, November 2022.

2022 ASU Natural Sciences Inclusion Summit poster, "Can I write about my mental health on my medical school application? Medical school admissions committees' potential biases regarding mental health conditions," Anna Abraham, Tempe AZ, November 2022.

2022 ASU Natural Sciences Inclusion Summit poster, "Measuring Student Acceptance of Evolution – Findings from an RCN-UBE Meeting," Taya Mischeva, Tempe AZ, November 2022.

2022 ASU Natural Sciences Inclusion Summit poster, "Christian student experiences during peer interactions in undergraduate biology courses," Baylee Edwards, Tempe AZ, November 2022.

2022 ASU Natural Sciences Inclusion Summit poster, "Coming out in academia: Factors that influence instructor decisions to reveal their LGBTQ+ identities to undergraduates," Carly Busch, Tempe AZ, November 2022.

2022 ASU Natural Sciences Inclusion Summit talk, "Concealable stigmatized identities," Carly Busch, Tempe AZ, November 2022.

2022 American Scientific Affiliation (ASU chapter) invited talk, "Christian student experiences during peer interaction in undergraduate biology courses," Arizona State University, Tempe AZ, October 2022.

2022 Research on STEM Education (ROSE) Network Seminar Series invited virtual seminar, "Disclosure decisions: Exploring the concealable stigmatized identities of science instructors," Carly Busch, October 2022.

2022 SACNAS oral presentation, "Using course-based undergraduate research experiences to diversify STEM," Emma Goodwin, San Juan Puerto Rico, October 2022.

2022 Arizona State University Research, Reflect, and RISE workshop, "How can we make undergraduate science spaces more inclusive for students with disabilities?," Emma Goodwin, Tempe AZ, October 2022.

2022 Middle Tennessee State University - Mathematics and Science Education Research Seminar Series invited talk, "Challenges and opportunities for students with disabilities in evolving STEM learning environments: active learning, online instruction, and undergraduate research," Logan Gin, Murfreesboro TN, October 2022.

2022 National Science Foundation S-STEM meeting poster, "The dual benefits of a science education CURE: Developing research skills for community college transfer students while advancing the research on undergraduate research experiences," Emma Goodwin, Washington DC, September 2022.

2022 Society for the Advancement in Biology Education Research (SABER) short talk, "Exploring the Validity of Evolution Acceptance Measures Using Cognitive Interviews," Taya Misheva, Minneapolis MN, July 2022.

2022 Society for the Advancement in Biology Education Research (SABER) poster, "Are high-impact practices accessible for all? Exploring the factors impacting engagement in beneficial educational experiences for students with disabilities," Emma Goodwin, Minneapolis MN, July 2022.

2022 Society for the Advancement in Biology Education Research (SABER) poster, "Is education with religious cultural competence delivered online as effective as when it is delivered in-person?," Alexa Summerstill, Minneapolis MN, July 2022.

2022 Society for the Advancement in Biology Education Research (SABER) poster, "Patterns for managing conflict between religion and evolution among Muslim undergraduate biology students," Rahmi Aini, Minneapolis MN, July 2022.

2022 Society for the Advancement in Biology Education Research (SABER) poster, "The scientific rules, roles, and values that life sciences graduate students want to see upheld by undergraduate researchers," Carly Busch, Minneapolis MN, July 2022.

2022 Society for the Advancement in Biology Education Research (SABER) poster, "Navigating academic biology as an LGBTQ+ Ph.D. student: learning, teaching, doing research," Emma Goodwin, Minneapolis MN, July 2022.

2022 Society for the Advancement in Biology Education Research (SABER) poster, "Who is represented in the research on undergraduate research experiences? A review of literature on research apprenticeships and CUREs in the natural sciences," Emma Goodwin, Minneapolis MN, July 2022.

2022 Society for the Advancement in Biology Education Research (SABER) poster, "Can I write about my mental health on my medical school application? Medical school admissions committees' potential biases towards mental health conditions," Anna Abraham, Minneapolis MN, July 2022.

2022 Society for the Advancement in Biology Education Research (SABER) poster, "Christian student experiences during peer interactions in undergraduate biology courses," Minneapolis MN, Baylee Edwards July 2022.

2022 Society for the Advancement in Biology Education Research (SABER) poster, "Students are reluctant to label depression as a disability despite experiencing limitations in college science courses," Tala Araghi, Minneapolis MN, July 2022.

2022 Society for the Advancement in Biology Education Research (SABER) poster, "Measuring Student Acceptance of Evolution – Findings from an RCN-UBE Meeting," Taya Misheva, Minneapolis MN, July 2022.

2022 Society for the Advancement in Biology Education Research (SABER) short talk, "Disclosure decisions: Exploring the concealable stigmatized identities of science and engineering instructors," Carly Busch, Minneapolis MN, July 2022.

2022 American Society for Microbiology Conference for Undergraduate Educators (ASM CUE) virtual talk, "Teaching About Research through a Biology Education Course-based Undergraduate Research Experience," Emma Goodwin, July 2022.

2022 American Society for Microbiology Conference for Undergraduate Educators (ASM CUE) virtual poster, ""Exploring Engagement in High-Impact Educational Practices for Students with Disabilities," Emma Goodwin, July 2022.

2022 University of British Columbia Skylight Speaker Series virtual talk, "Challenges and opportunities for students with disabilities in evolving learning environments: active learning, online instruction, and undergraduate research," Logan Gin, June 2022.

2022 ASU Barrett Honors Research Symposium poster, "Medical school admissions committee members' potential biases towards mental health conditions," Anna Abraham, Tempe AZ, April 2022.

2022 ASU Barrett Honors Research Symposium poster, "Are high impact practices accessible for students with disabilities," Danielle Pais, Tempe AZ, April 2022.

2022 University of Washington Biology Education Research Group virtual talk, "Disclosure decisions: Exploring the concealable stigmatized identities of science and engineering instructors," Carly Busch, April 2022.

2022 Experimental Biology poster, "Instructor perceptions of student incivility in the online undergraduate science classroom," Anna Abraham, Philadelphia PA, April 2022.

2022 ASU School of Life Sciences Graduate Symposia talk, "Coming out to the class: Students benefit from an instructor revealing her LGBTQ+ identity in a large-enrollment biology course," Carly Busch, Tempe AZ, March 2022.

2022 American Association for the Advancement of Science (AAAS) virtual poster, "Coming Out To The Class: Students Benefit When Instructor Reveals Her LGBTQ+ Identity," Carly Busch, February 2022.

2022 American Association for the Advancement of Science (AAAS) virtual poster, “Instructor perceptions of undergraduate incivility in online science courses,” Anna Abraham, February 2022.

2022 American Association for the Advancement of Science (AAAS) virtual poster, “Undergraduate perceptions of bioethics,” Baylee Edwards, February 2022.

2022 American Association for the Advancement of Science (AAAS) virtual poster, “Navigating academic biology as a LGBTQ+ graduate student: Learning, teaching, and doing research,” Sam Maas, February 2022.

2022 Research on STEM Education (ROSE) Network Seminar Series invited virtual seminar, “Challenges and opportunities for students with disabilities in evolving STEM learning environments: active learning, online instruction, and undergraduate research,” Logan Gin, February 2022.

2022 East Carolina University Department of Biology Seminar series virtual seminar, “Challenges and opportunities for students with disabilities in evolving learning environments: active learning, online instruction, and undergraduate research,” Logan Gin, February 2022.

2022 Northern Arizona University Department of Chemistry and Biochemistry invited virtual seminar, “Challenges and opportunities for students with disabilities in evolving STEM learning environments: active learning, online instruction, and undergraduate research,” Logan Gin, January 2022.

2022 Society for Integrative and Comparative Biology (SICB) virtual talk, “At-home dissections improve the anatomical self-efficacy of undergraduate students in a fully online biology course,” Jacob Youngblood and Emily Webb, January 2022.

2022 Society for Integrative and Comparative Biology (SICB) talk, “Challenges and opportunities for students with disabilities in life science undergraduate research experiences,” Logan Gin, Phoenix AZ, January 2022.

2022 Society for Integrative and Comparative Biology (SICB) talk, “Coming out to the class: Students benefit from an instructor revealing her LGBTQ+ identity in a large-enrollment biology course,” Carly Busch, Phoenix AZ, Phoenix AZ, January 2022.

2021 Brown University Sheridan Center for Teaching and Learning virtual workshop, “Creating inclusive STEM learning environments for undergraduates with disabilities: From teaching to research,” Logan Gin, December 2021.

2021 American Society for Cell Biology (ASCB) virtual talk, “Challenges and opportunities for students with disabilities in undergraduate research,” Logan Gin, December 2021

2021 American Society for Cell Biology (ASCB) virtual poster, “Coming Out to the Class: Students Benefit from an Instructor Revealing her LGBTQ+ Identity in a Large-enrollment Biology Course,” Busch CA, December 2021.

2021 University of California San Diego Science of Teaching Seminar series invited virtual talk, “Challenges and opportunities for students with disabilities in evolving learning environments: active learning, online instruction, and undergraduate research,” Logan Gin, November 2021.

2021 National Association of Biology Teachers national meeting poster, "The impacts of using personalized emails from the instructor in an online upper-level physiology course," Erika Nadile, Atlanta GA, November 2021.

2021 ASU Southwest BioSci conference poster, "Instructor perceptions of student incivility in the online undergraduate science classroom," Anna Abraham, October 2021.

2021 ASU Southwest BioSci conference poster, "New online accommodations are not enough: Mismatch between student needs and support for students with disabilities," Danielle Pais, October 2021.

2021 ASU Southwest BioSci conference poster, "Student perceptions of personalized emails with their names in an upper-level online biology course," Erika Nadile, October 2021.

2021 Louis Stokes Midwest Regional Center of Excellence conference virtual talk and poster, "New online accommodations are not enough: Mismatch between student needs and support for students with disabilities during COVID-19," Danielle Pais, October 2021.

2021 Out in Science, Technology, Engineering, and Mathematics (oSTEM) virtual talk, "Navigating academic biology as an LGBTQ+ Ph.D. student: learning, teaching, and doing research," Nick Wiesenthal, October 2021.

2021 Out in Science, Technology, Engineering, and Mathematics (oSTEM) virtual talk, "Coming Out to the Class: Students Benefit from an Instructor Revealing her LGBTQ+ Identity in a Large-enrollment Biology Course," Carly Busch, October 2021.

2021 Online with Life Sciences Education (LSE) virtual discussion speaker, "Challenges and opportunities for students with disabilities resulting from the rapid transition to online course delivery during COVID-19," Logan Gin, September 2021.

2021 Inclusion in Science Learning a New Direction (ISLANDS) virtual talk, "Students with disabilities in undergraduate research: Challenges and opportunities," Logan Gin, September 2021.

2021 American Association of Physics Teachers (AAPT) virtual summer meeting talk, "Challenges and opportunities for students with disabilities resulting from the rapid transition to online course delivery during COVID-19," Logan Gin, August 2021.

2021 American Chemical Society (ACS) virtual talk, "Coming out to the class: Students benefit from an instructor revealing LGBTQ+ identity in a large-enrollment biology course," Carly Busch, August 2021.

2021 Society for the Advancement in Biology Education Research (SABER) national meeting virtual plenary long talk, "Why we need to consider religious identity and build religious cultural competence in biology education," Liz Barnes, July 2021.

2021 Society for the Advancement in Biology Education Research (SABER) national meeting virtual poster, "Instructor perceptions of student incivility in the online undergraduate science classroom during the COVID-19 pandemic," Anna Abraham, July 2021.

2021 Society for the Advancement in Biology Education Research (SABER) national meeting virtual poster, “An exploration across institution types of undergraduate life sciences student decisions to stay in or leave an academic-year research experience,” Logan Gin, July 2021.

2021 Society for the Advancement in Biology Education Research (SABER) national meeting virtual poster, “To what extent do science and engineering instructors reveal or conceal potentially invisible identities to students?,” Carly Busch, July 2021.

2021 Society for the Advancement in Biology Education Research (SABER) national meeting virtual poster, “Student perceptions of personalized emails with their names in an upper-level online biology course,” Erika Nadile, July 2021.

2021 Society for the Advancement in Biology Education Research (SABER) national meeting virtual talk, “Coming Out to the Class: Students Benefit from Instructor Revealing LGBTQ+ Identity in a Large-enrollment Biology Course,” Carly Busch, July 2021.

2021 Society for the Advancement in Biology Education Research (SABER) national meeting virtual talk, “Introducing the Measure of Acceptance of the Theory of Evolution 2.0 (MATE 2.0),” Taya Misheva, July 2021.

2021 Society for the Advancement in Biology Education Research (SABER) national meeting virtual talk, “Challenges and opportunities for students with disabilities in life science undergraduate research experiences,” Logan Gin, July 2021.

2021 Society for the Advancement in Biology Education Research (SABER) national meeting virtual talk, “High stakes exams exacerbate disparities in scores between students across the lines of gender, race/ethnicity, and socioeconomic class in introductory biology courses,” K. Supriya, July 2021.

2021 Society for the Advancement in Biology Education Research (SABER) national meeting virtual talk, “Professors' Professionalization Networks: A Systems-level Roadmap for Change,” Dan Grunspan, July 2021.

2021 Society for the Advancement in Biology Education Research (SABER) national meeting virtual poster, “Undergraduate Perceptions of Bioethics,” Baylee Edwards, July 2021.

2021 Society for the Advancement in Biology Education Research (SABER) national meeting virtual poster, “Christianity as a Concealable Stigmatized Identity (CSI) among Biology Graduate Students,” Samantha Maas, July 2021.

2021 Networks 2021 virtual talk, “Studying Professors Professionalization Networks for Pedagogical Change,” Dan Grunspan, July 2021.

2021 American Society for Microbiology Conference for Undergraduate Educators (ASM-CUE) virtual talk, “Creating more inclusive biology learning environments for LGBTQ+ individuals,” Carly Busch, June 2021.

2021 American Society for Microbiology Conference for Undergraduate Educators (ASM-CUE) virtual poster, “Student Perceptions of Personalized Emails With Their Names in an Upper-Level Online Biology Course,” Erika Nadile, June 2021.

2021 Evolution 2021 virtual talk, “The Evolution Perceptions and Religious Backgrounds of Black and Hispanic Students Nationwide,” Liz Barnes, June 2021.

2021 Scientific Queeries University of Alberta, Edmonton, Canada virtual talk, “Coming Out to the Class: Students Benefit from an Instructor Revealing her LGBTQ+ Identity in a Large-enrollment Biology Course,” Carly Busch, June 2021

2021 Experimental Biology virtual talk and poster, “Students Benefit from Instructor Revealing LGBTQ+ Identity in an Upper-level Physiology Course,” Carly Busch, April 2021.

2021 Arizona State University School of Life Sciences Undergraduate Research Symposium virtual talk, “Factors that influence life sciences student persistence in undergraduate research across institution types,” Rachel Campos, April 2021.

2021 Arizona State University School of Life Sciences Undergraduate Research Symposium virtual talk, “Instructor perceptions of student incivility in the online undergraduate science classroom,” Anna Abraham, April 2021.

2021 Duke University Biology Department's invited virtual seminar, “Challenges for students with disabilities in active learning, undergraduate research, and the transition to online instruction,” Logan Gin, April 2021.

2021 University of Washington Biology Teaching and Learning group invited virtual seminar, “Challenges for students with disabilities in active learning and the transition to online,” Logan Gin, February 2021.

2021 American Association for the Advancement in Science annual meeting (AAAS) virtual poster, “Perceptions of Evolution Among Muslim Undergraduate Biology Students in the United States,” Julie Roberts, February 2021.

2021 American Association for the Advancement in Science annual meeting (AAAS) virtual poster, “Where do instructors come from? An analysis of influential institutions on current and future faculty,” Anna Abrahams, February 2021.

2021 American Association for the Advancement in Science annual meeting (AAAS) virtual poster, “Call on me! Undergraduates’ perceptions of voluntarily asking questions in front of large-enrollment science classes,” Erika Nadile, February 2021.

2021 American Association for the Advancement in Science annual meeting (AAAS) virtual poster, “Examining the effect of variation in features of exam questions from introductory biology instructors,” Puja Chetri, February 2021.

2021 American Association for the Advancement in Science annual meeting (AAAS) virtual poster, “Uncovering Validity Issues with the Measure of Acceptance of the Theory of Evolution (MATE) using Student Voices,” Taya Mischeva, February 2021.

2021 Washington State University School of Molecular Biosciences invited virtual seminar, “Challenges for students with disabilities in active learning, undergraduate research, and the transition to online,” Logan Gin, January 2021.

2021 SABER West virtual talk, “The effect of optional exam retakes on student performance in introductory biology,” K. Supriya, January 2021.

2021 SABER West virtual talk, “Disability and COVID-19: Challenges and opportunities as a result of the rapid transition to online course delivery for students with disabilities,” Logan Gin, January 2021.

2021 SABER West virtual talk, “Relationships between the Religious Backgrounds and Evolution Acceptance of Black and Hispanic Biology Students,” Liz Barnes, January 2021.

2020 American Society for Cell Biology annual meeting (ASCB) virtual poster, “Perceptions of Evolution Among Muslim Undergraduate Biology Students in the United States,” Julie Roberts, December 2020.

2020 American Society for Cell Biology annual meeting (ASCB) virtual poster, “Exploring Christianity as a Concealable Stigmatized Identity (CSI) in graduate biology programs,” Liz Barnes, December 2020.

2020 National Association of Biology Teachers (NABT) virtual talk, “A nationwide study exploring the religious backgrounds and evolution perceptions of Black and Hispanic biology students,” Liz Barnes, November 2020.

2020 National Association of Biology Teachers (NABT) virtual poster, “Undergraduate Perceptions of Bioethics Topics: A Pilot Study,” Baylee Edwards, November 2020.

2020 National Association of Biology Teachers (NABT) virtual poster, “The effect of optional exam retakes on student performance in introductory biology,” K. Supriya, November 2020.

2020 National Association of Biology Teachers (NABT) virtual poster, “Where do instructors come from? An analysis of influential institutions on current and future faculty,” Anna Abrahams, November 2020.

2020 National Association of Biology Teachers (NABT) virtual poster, “Call on me! Undergraduates’ perceptions of voluntarily asking questions in front of large-enrollment science classes,” Erika Nadile, November 2020.

2020 ASU BioSci conference virtual poster, “Call on me! Undergraduates’ perceptions of voluntarily asking questions in front of large-enrollment science classes,” Erika Nadile, October 2020.

2020 ASU BioSci conference virtual talk, “Accessible active learning: To what extent is active learning inclusive for science undergraduates with disabilities?,” Logan Gin, October 2020.

2020 ASU BioSci conference virtual talk, “Uncovering Validity Issues with the Measure of Acceptance of the Theory of Evolution (MATE) using Student Voices,” Taya Mischeva, October 2020.

2020 ASU Institute for Social Science Research virtual poster, “Factors that predict life sciences student persistence in undergraduate research experiences across institution types,” Logan Gin, October 2020.

2020 Geological Society of America national meeting virtual talk, "Accessible active learning: To what extent is active learning inclusive for science undergraduates with disabilities?," Logan Gin, October 2020.

2020 Society for the Advancement of Biology Education Research virtual poster, "Where do instructors come from? An analysis of influential institutions on current and future faculty," Anna Abraham, Virtual conference, July 2020.

2020 Society for the Advancement of Biology Education Research virtual poster, "Beyond common misconceptions: naive ideas about human evolution and diet among nutrition students," Sara Etebari, Virtual conference, July 2020.

2020 Society for the Advancement of Biology Education Research virtual poster, "Uncovering Validity Issues with the Measure of Acceptance of the Theory of Evolution," Taya Mischeva, Virtual conference, July 2020.

2020 Society for the Advancement of Biology Education Research virtual poster, "Factors that predict life sciences student persistence in undergraduate research experiences across institution types," Logan Gin, Virtual conference, July 2020.

2020 Society for the Advancement of Biology Education Research virtual poster, "The effect of optional exam retakes on student performance in introductory biology," K. Supriya, Virtual conference, July 2020.

2020 Society for the Advancement of Biology Education Research virtual poster, "Evidence-Based Resources for Evolutionary Medicine Education," Dan Grunspan, Virtual conference, July 2020.

2020 Society for the Advancement of Biology Education Research virtual poster, "Testing Religious Cultural Competence in Evolution Education Nationwide," Liz Barnes, Virtual conference, July 2020.

2020 Society for the Advancement of Biology Education Research virtual poster, "Perceptions of Evolution among Muslim Undergraduate Biology Students in the United States," Julie Roberts, Virtual conference, July 2020.

2020 Society for the Advancement of Biology Education Research virtual poster, "Exploring the Leaky Christian Pipeline in Academic Biology," Sam Maas, Virtual conference, July 2020.

2020 Society for the Advancement of Biology Education Research virtual poster, "Comparing item features of exams from introductory biology instructors," Kaela Villegas, Virtual conference, July 2020.

2020 Society for the Advancement of Biology Education Research virtual poster, "Fear of negative evaluation and student anxiety in community college active learning science courses," Virginia Downing, Virtual conference, July 2020.

2020 Society for the Advancement of Biology Education Research virtual poster, "It's in the syllabus... or is it? How syllabi can serve as tools for creating inclusive classrooms," Rachel Scott, Virtual conference, July 2020.

2020 Society for the Advancement of Biology Education Research virtual talk, "Christianity as a Concealable Stigmatized Identity (CSI) in graduate biology programs," Liz Barnes, Virtual conference, July 2020.

2020 Society for the Advancement of Biology Education Research virtual talk, "Accessible active learning: To what extent is active learning inclusive for science undergraduates with disabilities?," Logan Gin, Virtual conference, July 2020.

2020 Society for the Advancement of Biology Education Research virtual poster, "Call on me! Undergraduates' perceptions of voluntarily asking questions in front of large-enrollment science classes," Erika Nadile, Virtual conference, July 2020.

2020 Society for the Advancement of Biology Education Research virtual poster, "Exploring student depression in undergraduate research experiences," Katey Cooper, Virtual conference, July 2020.

2020 Australasian Science Education Research Association (ASERA) virtual poster, "Call on me! Undergraduates' perceptions of voluntarily asking questions in front of large-enrollment science classes," Erika Nadile, Virtual conference, June 2020.

2020 ASU Undergraduate Research Symposium virtual talk, "Comparing item features of exams from introductory biology instructors," Kaela Villegas and Brittany Rolfe, Tempe AZ, April 2020.

2020 ASU Undergraduate Research Symposium virtual talk, "Where do instructors come from? An analysis of influential institutions on current and future faculty," Anna Abraham, Tempe AZ, April 2020.

2020 American Educational Research Association (AERA) virtual talk, "Fear of negative evaluation and student anxiety in community college active learning science courses." Virginia Downing, San Francisco CA, April 2020.

2020 University of Alabama Birmingham invited talk, "Factors that predict student persistence in research: From lab environment to mental health," Katelyn Cooper, Birmingham, AL, March 2020.

2020 American Association for the Advancement in Science (AAAS) national meeting poster, "Christianity as a concealable stigmatized identity among biology graduate students," Samantha Maas, Washington DC, February 2020.

2020 Middle Tennessee State University invited talk, "Religious cultural competence in evolution education (ReCCEE)," Liz Barnes, Murfreesboro TN, February 2020.

2020 University of California San Diego Division of Biological Sciences invited talk, "Toward more inclusive active learning classrooms: Identifying inequities and possible underlying mechanisms," Katelyn Cooper, San Diego CA, February 2020.

2020 Building The Next Generation of Academic Physicians Conference poster, "Diagnosing differences in preparing for med school between students in online and in-person biology degree programs" Logan Gin, Phoenix AZ, January 2020.

2020 Society for the Advancement of Biology Education Research West coast meeting poster, "Where do instructors come from? An analysis of influential institutions on current and future faculty.," Dan Grunspan, Irvine CA, January 2020.

2020 Society for the Advancement of Biology Education Research West coast meeting poster, "Assessing bias in instructor exams in introductory biology college courses," K. Supriya, Irvine CA, January 2020.

2020 Society for the Advancement of Biology Education Research West coast meeting poster, "To what extent have Disability Resource Centers evolved to accommodate the challenges of active learning in large enrollment STEM courses?," Frankie Guerrero, Irvine CA, January 2020.

2020 Society for the Advancement of Biology Education Research West coast meeting talk, "Factors that predict life sciences student persistence in undergraduate research experiences," Logan Gin, Irvine CA, January 2020.

2020 Society for the Advancement of Biology Education Research West coast meeting poster, "Fear of negative evaluation and student anxiety in community college active learning science courses," Logan Gin, Irvine CA, January 2020.

2020 Society for the Advancement of Biology Education Research West coast meeting poster, "Don't joke about me: The impact of student identity on perception of instructor humor in college science courses," Erika Nadile, Irvine CA, January 2020.

2020 Society for the Advancement of Biology Education Research West coast meeting poster, "Evidence-Based Resources for Evolutionary Medicine Education," Taya Misheva, Irvine CA, January 2020.

2020 Society for the Advancement of Biology Education Research West coast meeting poster, "Exploring Christianity as a Concealable Stigmatized Identity (CSI) among Biology Graduate Students," Samantha Maas, Irvine CA, January 2020.

2019 American Association for Cell Biology (ASCB) national meeting poster, "The impact of student research anxiety on undergraduate intention to pursue scientific research," Katey Cooper, Washington DC, December 2019.

2019 Auburn University Department of Biological Sciences invited talk, "Toward more inclusive active learning classrooms: Identifying inequities and possible underlying mechanisms," Katelyn Cooper, Auburn, AL, November 2019.

2019 National Association for Biology Teachers national meeting poster, "The unwritten rules of undergraduate research," Jacquie Cala, Chicago IL, November 2019.

2019 National Association for Biology Teachers national meeting talk, "Fear of negative evaluation and student anxiety in community college active learning science courses," Jacquie Cala, Chicago IL, November 2019.

2019 American Association for Medical Colleges Annual Meeting poster, "Diagnosing differences in preparing for med school between students in online and in-person biology degree programs," Logan Gin, Phoenix AZ, November 2019.

2019 Southwestern Association of Biological Anthropologists poster, "A pilot study testing Religious Cultural Competence in Evolution Education Nationwide (ReCCEE)," Liz Barnes, Tempe AZ, November 2019.

2019 Southwestern Association of Biological Anthropologists poster, "A call to use Religious Cultural Competence in Evolution Education (ReCCEE)," Liz Barnes, Tempe AZ, November 2019.

2019 Southwestern Association of Biological Anthropologists poster, "Testing the Effect of Human Examples When Teaching Evolution," Dan Grunspan, Tempe AZ, November 2019.

2019 Southwestern Association of Biological Anthropologists poster, "Evidence-Based Resources for Evolutionary Medicine Education," Taya Misheva, Tempe AZ, November 2019.

2019 Southwestern Association of Biological Anthropologists poster, "Exploring Christianity as a Concealable Stigmatized Identity (CSI) among Science Graduate Students," Samantha Maas, Tempe AZ, November 2019.

2019 BioSci Southwest Symposium poster, "Factors that predict biological sciences student persistence in undergraduate research experiences," Rachel Scott and Diana Ramirez, Tempe AZ, November 2019.

2019 BioSci Southwest Symposium poster, "Don't joke about me: The impact of student identity on perception of instructor humor in college science courses," Erika Nadile, Tempe AZ, November 2019.

2019 BioSci Southwest Symposium talk, "Diagnosing differences in what undergraduates in ASU's fully online and an in-person biology degree program know and do regarding medical school admission," Logan Gin, Tempe AZ, November 2019.

2019 University of Central Florida Department of Chemistry invited talk, "Factors that Predict Student Persistence in Research: From Lab Environment to Mental Health," Katelyn Cooper, Orlando FL, October 2019.

2019 Geological Society of America national meeting talk, "Leaving research: Factors that influence science student persistence in undergraduate research," Logan Gin, Phoenix AZ, September 2019.

2019 Geological Society of America national meeting talk, "Using institutional analysis of grades to assess outcomes in online and in-person science courses," Chris Mead, Phoenix AZ, September 2019.

2019 National Science Foundation S-STEM meeting poster, "Arizona State University's LEAP Scholars program," Carolyn Clark, Washington DC, September 2019.

2019 International Society for Evolution, Medicine, and Public Health talk, "The need for a learning framework for education about evolution and medicine," Dan Grunspan, Zurich Switzerland, August 2019.

2019 Society for the Advancement of Biology Education Research talk, "The impact of student research anxiety on undergraduate biology students' intentions to pursue a scientific research career," Katey Cooper, Minneapolis MN, July 2019.

2019 Society for the Advancement of Biology Education Research poster, "Fear of negative evaluation: A novel construct underlying student anxiety in active learning college science courses," Katey Cooper, Minneapolis MN, July 2019.

2019 Society for the Advancement of Biology Education Research talk, "Diagnosing differences in what undergraduates in a fully online and in an in-person biology degree program know and do regarding medical school admission," Logan Gin, Minneapolis MN, July 2019.

2019 Society for the Advancement of Biology Education Research poster, "Leaving Research: Factors that impact a student leaving an academic year research experience," Logan Gin, Minneapolis MN, July 2019.

2019 Society for the Advancement of Biology Education Research talk, "Testing the Effect of Human Examples When Teaching Evolution," Dan Grunspan, Minneapolis MN, July 2019.

2019 Society for the Advancement of Biology Education Research poster, "Developing Conceptual Frameworks in Evolutionary Medicine," Dan Grunspan, Minneapolis MN, July 2019.

2019 Society for the Advancement of Biology Education Research poster, "Different evolution acceptance instruments lead to different research findings," Hayley Dunlop, Minneapolis MN, July 2019.

2019 International Research Network for the Study of Science and Belief in Society talk, "Religious Students' Definitions of Evolution Predict their Acceptance," Liz Barnes, Birmingham England, July 2019.

2019 Undergraduate Biology Education Research Gordon Research Conference poster, "Fear of negative evaluation: A novel construct underlying student anxiety in active learning college science courses," Katey Cooper, Lewiston ME, June 2019.

2019 Undergraduate Biology Education Research Gordon Research Conference poster, "Leaving Research: Factors that impact a student leaving an academic year research experience," Logan Gin, Lewiston ME, June 2019.

2019 Undergraduate Biology Education Research Gordon Research Seminar talk, "Learning from a Discipline-Based Education Research Course-based Research Experience: The impact of research anxiety on biology undergraduates' intentions to pursue a science research career," Katey Cooper, Lewiston ME, June 2019.

2019 Undergraduate Biology Education Research Gordon Research Seminar poster, "Diagnosing differences in what undergraduates in a fully online and in an in-person biology degree program know and do regarding medical school admission," Logan Gin, Lewiston ME, June 2019.

2019 SEISMIC summer conference poster, "Towards Inclusive Excellence: Comparative analysis of In-person and Online STEM course grades," Chris Mead, Ann Arbor MI, June 2019.

2019 SEISMIC summer conference poster, “Leaving Research: Factors that impact a student leaving an academic year research experience,” Logan Gin, Ann Arbor MI, June 2019.

2019 SEISMIC summer conference poster, “To what extent have Disability Resources Centers evolved to accommodate the challenges of active learning?,” Logan Gin, Ann Arbor MI, June 2019.

2019 SEISMIC summer conference poster, “Fear of negative evaluation: A novel construct underlying student anxiety in active learning college science courses,” Logan Gin, Ann Arbor MI, June 2019.

2019 International conference on underpinnings, requirements, and effects of undergraduate research experiences poster, “Leaving Research: Factors that impact a student leaving an academic year research experience”, Katey Cooper, Stuttgart Germany, June 2019.

2019 ASU Undergraduate Research Symposium poster, “Different evolution acceptance instruments lead to different research findings,” Hayley Dunlop, Tempe AZ, March 2019.

2019 University of Central Florida Department of Biology invited presentation talk, “Religious cultural competence in evolution education (ReCCEE),” Liz Barnes, Orlando FL, March 2019.

2019 University of Central Florida Department of Biology invited presentation talk, “Gender differences in student perception of intelligence and cultural evolutionary perspectives on faculty pedagogical practice,” Dan Grunspan, Orlando FL, March 2019.

2019 University of Central Florida Department of Biology invited presentation talk, “Creating more inclusive large-enrollment active learning undergraduate biology classrooms,” Katey Cooper, Orlando FL, March 2019.

2019 California State University, Sacramento invited presentation talk, Religious cultural competence in evolution education (ReCCEE),” Liz Barnes, Sacramento CA, March 2019.

2019 University of Guelph invited presentation talk, Gender differences in student perception of intelligence and cultural evolutionary perspectives on faculty pedagogical practice,” Dan Grunspan, Guelph Ontario Canada, March 2019.

2019 American Association for the Advancement in Science (AAAS) national meeting poster, “Different Instruments Measuring Evolution Acceptance Lead to Varied Research Results,” Hayley Dunlop, Washington DC, February 2019.

2019 ASU Teacher’s College Education Research Conference poster, “Online with Career Goals? Exploring student decisions to enroll in online biology degree programs and lab courses,” Logan Gin, Tempe AZ, February 2019.

2019 UC Merced invited presentation talk, “Religious cultural competence in evolution education (ReCCEE),” Liz Barnes, Merced CA, February 2019.

2019 ASU Inclusion Science Initiative talk, “Maximizing inclusion and questioning excellence: Are online biology degree programs a way to promote inclusive excellence in undergraduate education?,” Logan Gin, Tempe AZ, February 2019.

2019 Society for Personality and Social Psychology (SPSP) national meeting poster, "Exploring the impact of student religiosity on faculty perceptions of competence, hireability, and likeability of potential Ph.D. students in Biology," Liz Barnes, Portland OR, February 2019.

2019 Society for the Advancement of Biology Education Research West coast meeting talk, "Religious students' definitions of evolution predict their acceptance," Hayley Dunlop and Liz Barnes, Irvine CA, January 2019.

2019 Society for the Advancement of Biology Education Research West coast meeting poster, "Exploring the impact of student religiosity on faculty perceptions of competence, hireability, and likeability of potential Ph.D. students in Biology," Liz Barnes, Irvine CA, January 2019.

2019 Society for the Advancement of Biology Education Research West coast meeting poster, "Leaving research: factors that impact a student learning an academic year research experience," Katey Cooper, Irvine CA, January 2019.

2019 Society for the Advancement of Biology Education Research West coast meeting poster, "Factors influencing instructor preferences for how they want students to address them," Jacquie Cala, Irvine CA, January 2019.

2019 Society for the Advancement of Biology Education Research West coast meeting talk, "Documenting the unwritten rules of undergraduate research in biology at a large, public research-intensive university," Jacquie Cala and Katey Cooper, Irvine CA, January 2019.

2019 Society for the Advancement of Biology Education Research West coast meeting poster, "Different Evolution Acceptance Instruments Lead to Different Research Results," Hayley Dunlop, Irvine CA, January 2019.

2019 Western Michigan University invited presentation talk, "Toward more inclusive undergraduate active learning classrooms", Katelyn Cooper, Kalamazoo MI, January 2019.

2019 Idaho State University invited presentation talk, "Gender differences in student perception of intelligence and cultural evolutionary perspectives on faculty pedagogical practice", Dan Grunspan, Pocatello ID, January 2019.

2018 American Society for Cell Biology poster, "The influence of active learning practices on student anxiety in large-enrollment college science classrooms," Katey Cooper, San Diego CA, December 2018.

2018 American Society for Cell Biology poster, "Gender differences in student perceptions of instructor humor in college science courses," Katey Cooper, San Diego CA, December 2018.

2018 Cultural Evolution Society Conference talk, "The Lecture Machine: A cultural evolutionary model of pedagogy in higher education," Dan Grunspan, Tempe AZ, October 2018.

2018 Fresno State University invited presentation talk, "Religious Cultural Competence in Evolution Education, Liz Barnes, Fresno CA, October 2018.

2018 Joint Conference on Evolutionary Biology poster, "Core principles of evolutionary medicine," Dan Grunspan, Montpellier France, August 2018.

2018 International Society for Evolution, Medicine, and Public Health talk, "The state of evolutionary medicine in undergraduate education at American universities," Dan Grunspan, Park City Utah, August 2018.

2018 Society for the Advancement of Biology Education Research poster, "How should I be addressed? Factors influencing instructor preferences for how they want students to address them," Jacquie Cala, Minneapolis MN, July 2018.

2018 Society for the Advancement of Biology Education Research talk, "Explaining the dearth of African American students in evolutionary biology as a function of religiosity," Liz Barnes, Minneapolis MN, July 2018.

2018 Society for the Advancement of Biology Education Research poster, "A course-embedded comparison of instructor-generated videos of either an instructor alone or an instructor and a student," Katey Cooper, Minneapolis MN, July 2018.

2018 Society for the Advancement of Biology Education Research poster, "To be funny or not to be funny: Gender differences in student perceptions of instructor humor in college science courses," Katey Cooper, Minneapolis MN, July 2018.

2018 Society for the Advancement of Biology Education Research poster, "Core Principles of Evolutionary Medicine," Dan Grunspan, Minneapolis MN, July 2018.

2018 Society for the Advancement of Biology Education Research poster, "Coming out to the class: Identifying factors that influence college biology instructor decisions about whether to reveal their LGBTQIA identity in class," Katey Cooper, Minneapolis MN, July 2018.

2018 Society for the Advancement of Biology Education Research poster, "Exploring the impact of student religiosity on faculty perceptions of competence, hireability, and likeability of potential PhD students in biology," Liz Barnes, Minneapolis MN, July 2018.

2018 Society for the Advancement of Biology Education Research poster, "Atheistic definitions of acceptance of evolution exacerbate rejection of evolution among religious students," Hayley Dunlop, Minneapolis MN, July 2018.

2018 Society for the Advancement of Biology Education Research poster, "Pedagogical change in academia: A cultural evolutionary model," Dan Grunspan, Minneapolis MN, July 2018.

2018 Society for the Advancement of Biology Education Research poster, "Online with career goals? Exploring student decisions to enroll in online biology degree programs and online lab courses," Logan Gin and Evan Brus, Minneapolis MN, July 2018.

2018 Pixel International Future of Education meeting talk, "Comparison of an immunology cookbook lab course and a course-based undergraduate research experience," Katey Cooper, Florence, Italy, June 2018.

2018 Experimental Biology poster, "How do astrophysicists organize a party? Their wives planet: Gender differences in student perceptions of instructor humor in college science classrooms," Taija Hendrix, San Diego CA, April 2018.

2018 Experimental Biology poster, "LEAP into Research: A program to help transfer students get involved in research," Katey Cooper, San Diego CA, April 2018.

2018 Experimental Biology poster, "Evidence-based resources for evolutionary medicine," Michelle Stephens, San Diego CA, April 2018.

2018 Experimental Biology poster, "Who perceives they're smarter? Exploring the influence of gender, transfer student status, and native English speaking on student academic self-concept in physiology," Katey Cooper, San Diego CA, April 2018.

2018 ASU Undergraduate Research Symposium poster, "How do astrophysicists organize a party? Their wives planet: Gender differences in student perceptions of instructor humor in college science classrooms," Taija Hendrix, Tempe AZ, April 2018.

2018 ASU Undergraduate Research Symposium poster, "Can a six-minute introduction to an evolution module reduce students' level of perceived conflict between evolution and religion?," Jasmine Truong, Tempe AZ, April 2018.

2018 ASU Undergraduate Research Symposium poster, "The survey matters: instructors using different surveys to measure acceptance of evolution may be reaching different conclusions about their students," Hayley Dunlop, Tempe AZ, April 2018.

2018 American Educational Research Association (AERA) talk, "Atheistic definitions of evolution exacerbate rejection of evolution among religious students," Liz Barnes, New York NY, April 2018.

2018 ASU Inclusion Science Initiative talk, "From conflict to common ground: A call to use cultural competence in evolution education," Liz Barnes, Tempe, AZ, February 2018.

2018 ASU Inclusion Science Initiative talk, "Student characteristics that influence academic self-concept," Katey Cooper, Tempe, AZ, February 2018.

2018 ASU Inclusion Science Initiative talk, "To be funny or not to be funny: Student perceptions of instructor use of humor in college science classrooms," Katey Cooper and Taija Hendrix, Tempe, AZ, February 2018.

2018 ASU Inclusion Science Initiative talk, "Learning anxiously: How to make active learning less anxiety-inducing," Katey Cooper and Virginia Downing, Tempe, AZ, February 2018.

2018 ASU Inclusion Science Initiative poster, "The unwritten rules of undergraduate research," Katey Cooper, Tempe, AZ, February 2018.

2018 Society for the Advancement of Biology Education Research West coast meeting talk, "To be funny or not to be funny: Student perceptions of instructor use of humor in college science classrooms," Katey Cooper and Taija Hendrix, Irvine CA, January 2018.

2018 Society for the Advancement of Biology Education Research West coast meeting talk, "Using Cultural Competence to Improve the Experiences of Religious Students in Biology Classes," Jasmine Truong, Irvine CA, January 2018.

2018 Society for the Advancement of Biology Education Research West coast meeting talk, "Cultural Evolution of Pedagogy: a Conceptual Model," Dan Grunspan, Irvine CA, January 2018.

2018 Society for the Advancement of Biology Education Research West coast meeting poster, "Same curriculum, different mice, different outcomes: A reductionist approach to probing the impact of working on broadly relevant novel research," Katey Cooper and Taija Hendrix, Irvine CA, January 2018.

2018 Society for the Advancement of Biology Education Research West coast meeting poster, "Atheistic Definitions of Acceptance of Evolution Exacerbate Rejection of Evolution among Religious Students," Hayley Dunlop, Irvine CA, January 2018.

2018 Society for the Advancement of Biology Education Research West coast meeting poster, "Learning anxiously: Alleviating and exacerbating student anxiety in active learning classrooms," Katey Cooper, Irvine CA, January 2018.

2018 Society for the Advancement of Biology Education Research West coast meeting poster, "Have Disability Resources Centers Evolved to Accommodate Active Learning?," Logan Gin, Irvine CA, January 2018.

2017 International Society for Evolution, Medicine, & Public Health meeting poster, "A call to use cultural competence when teaching evolution to religious undergraduate students: Introducing Religious Cultural Competence in Evolution Education (ReCCEE)," Liz Barnes, Groningen Netherlands, August 2017.

2017 International Society for Evolution, Medicine, & Public Health meeting talk, "Identifying Evolutionary Medicine Core Principles," Dan Grunspan, Groningen Netherlands, August 2017.

2017 Society for the Advancement of Biology Education Research talk, "Towards more inclusive evolution education: a call to use cultural competence when teaching evolution," Liz Barnes, Minneapolis MN, July 2017.

2017 Society for the Advancement of Biology Education Research talk, "GenBio-MAPS: A programmatic assessment designed to measure student's conceptual understanding of core biology concepts across a curriculum," Christian Wright, Minneapolis MN, July 2017.

2017 Society for the Advancement of Biology Education Research poster, "Exploring instructor rationale for designing classroom assessments," Christian Wright, Minneapolis MN, July 2017.

2017 Society for the Advancement of Biology Education Research poster, "Can a five-minute introduction to an evolution module reduce students' level of perceived conflict between evolution and religion?," Jasmine Truong, Minneapolis MN, July 2017.

2017 Society for the Advancement of Biology Education Research poster, "The survey matters: instructors using different surveys to measure acceptance of evolution may be reaching different conclusions about their students," Liz Barnes and Hayley Dunlop, Minneapolis MN, July 2017.

2017 Society for the Advancement of Biology Education Research poster, "Identifying the unwritten rules of obtaining undergraduate research experiences," Jacquie Cala, Minneapolis MN, July 2017.

2017 Society for the Advancement of Biology Education Research poster, "To be funny or not to be funny: Student perceptions of instructor use of humor in college science classrooms," Katey Cooper and Taija Hendrix, Minneapolis MN, July 2017.

2017 Undergraduate Biology Education Research Gordon conference poster, "Learning anxiously: The opportunities and challenges of science active learning classrooms for college students with anxiety," Katey Cooper, Eaton MA, July 2017.

2017 Undergraduate Biology Education Research Gordon conference poster, "Who perceives they're smarter? Exploring the influence of student characteristics on student academic self-concept in physiology," Katey Cooper, Eaton MA, July 2017.

2017 National Association for Research in Science Teaching (NARST) national meeting poster, "Capital gains: A bridge program influences social, cultural, and human capital," Katelyn Cooper, San Antonio TX, April 2017.

2017 American Educational Research Association (AERA) national meeting talk, "A need for culturally sensitive evolution education: perspectives from college biology instructors and students," Liz Barnes, San Antonio TX, April 2017.

2017 American Educational Research Association (AERA) national meeting poster, "Explaining the dearth of African Americans in evolutionary biology as a function of religiosity," Liz Barnes, San Antonio TX, April 2017.

2017 ASU School of Life Sciences Septennial Review Student Poster Session poster, "How identity, biology content, and instructional practices impact religious students' sense of belonging in the biology classroom," Jasmine Truong, Tempe AZ, April 2017.

2017 ASU Undergraduate Research Symposium poster, "The survey matters: instructors using different surveys to measure acceptance of evolution may be reaching different conclusions about their students," Hayley Dunlop, Tempe AZ, March 2017.

2017 ASU Undergraduate Research Symposium poster, "Do Christian biology students experience stereotype threat?," Taija Hendrix, Tempe AZ, March 2017.

2017 ASU Undergraduate Research Symposium poster, "Will this be on the test? Depends on the instructor! Exploring differences in instructor exam decisions in introductory biology," Austin Huang, Tempe AZ, March 2017.

2017 ASU Undergraduate Research Symposium poster, "What's in a name? The importance of student perceptions of an instructor knowing their names in a high enrollment biology course," Anna Krieg, Tempe AZ, March 2017.

2017 ASU Undergraduate Research Symposium poster, "How identity, biology content, and instructional practices impact religious students' sense of belonging in the biology classroom," Jasmine Truong, Tempe AZ, March 2017.

2017 ASU School of Human Evolution and Social Change Departmental Meeting workshop, "Building inclusive and fair classrooms: Spotting sources of bias in biology classrooms," Katelyn Cooper, Tempe AZ, March 2017.

2017 American Association for the Advancement in Science (AAAS) national meeting talk, "How to teach evolution to religious students who may be resistant," Liz Barnes, Boston MA, February 2017.

2017 American Association for the Advancement in Science (AAAS) national meeting poster, "The impact of a short evolution module on students' perceived conflict with evolution," Liz Barnes, Boston MA, February 2017.

2017 American Association for the Advancement in Science (AAAS) national meeting poster, "What's in a name? The importance of student perceptions of an instructor knowing their names in a high enrollment biology course," Anna Krieg, Boston MA, February 2017.

2017 American Association for the Advancement in Science (AAAS) national meeting poster, "How identity, biology content, and instructional practices impact religious students' sense of belonging in the biology classroom," Jasmine Truong, Boston MA, February 2017.

2017 Biology Leadership Conference (BLC) poster, "A summer bridge program helps students to maximize active learning experiences and the active learning experiences of others," Katelyn Cooper, Tucson AZ, February 2017.

2017 Society for the Advancement of Biology Education Research West coast regional meeting talk, "Coming out in class: The influence of covert identities on student experiences in active learning classrooms," Katelyn Cooper, Irvine CA, January 2017.

2017 Society for the Advancement of Biology Education Research West coast regional meeting talk, "Reducing students' perceived conflict between religion and evolution," Liz Barnes, Irvine CA, January 2017.

2017 Society for the Advancement of Biology Education Research West coast regional meeting poster, "Learning Anxiously: The challenges and benefits of active learning for students with anxiety," Virginia Downing, Irvine CA, January 2017.

2017 Society for the Advancement of Biology Education Research West coast regional meeting poster, "How identity, biology content, and instructional practices impact religious students' sense of belonging in the biology classroom," Jasmine Truong, Irvine CA, January 2017.

2017 Society for the Advancement of Biology Education Research West coast regional meeting poster, "Defining Core Principles in Evolutionary Medicine: A Delphi Study," Dan Grunspan, Irvine CA, January 2017.

2017 Society for the Advancement of Biology Education Research West coast regional meeting poster, "Capital Gains: The influence of a summer bridge program on first year students' social capital," Michael Ashley, Irvine CA, January 2017.

2017 Society for the Advancement of Biology Education Research West coast regional meeting poster, "What's in a name? The importance of student perceptions of an instructor knowing their names in a high enrollment biology course," Anna Krieg, Irvine CA, January 2017.

2017 Society for the Advancement of Biology Education Research West coast regional meeting poster, “The survey matters: instructors using different surveys to measure acceptance of evolution may be reaching different conclusions about their students,” Hayley Dunlop, Irvine CA, January 2017.

2017 Society for the Advancement of Biology Education Research West coast regional meeting poster, “Do Christian biology students experience stereotype threat?,” Taija Hendrix, Irvine CA, January 2017.

2017 Society for the Advancement of Biology Education Research West coast regional meeting poster, “Pedagogies of Professors Teaching evolution at secular versus Christian colleges,” Liz Barnes, Irvine CA, January 2017.

2017 Society for the Advancement of Biology Education Research West coast regional meeting poster, “Who perceives they’re smarter? Males have a higher academic self-concept in a large-enrollment physiology course,” Katelyn Cooper, Irvine CA, January 2017.

2017 ASU ISTL Learning Innovation Showcase poster, “The impact of a short evolution module on students’ perceived conflict with evolution,” Liz Barnes, Tempe AZ, January 2017.

2017 ASU ISTL Learning Innovation Showcase poster, “Capital Gains: The influence of a summer bridge program on first year students’ social capital,” Michael Ashley, Tempe AZ, January 2017.

2017 ASU ISTL Learning Innovation Showcase poster, “How identity, biology content, and instructional practices impact religious students’ sense of belonging in the biology classroom,” Jasmine Truong, Tempe AZ, January 2017.

2017 ASU ISTL Learning Innovation Showcase poster, “What’s in a name? The importance of student perceptions of an instructor knowing their names in a high enrollment biology course,” Anna Krieg, Tempe AZ, January 2017.

2016 American Society of Cell Biology (ASCB) talk, “A summer bridge program helps students to maximize active learning experiences and the active learning experiences of others,” Katelyn Cooper, San Francisco CA, December 2016.

2016 American Society of Cell Biology (ASCB) poster, “What’s in a name? The importance of student perceptions of an instructor knowing their names in a high enrollment biology course,” Katelyn Cooper, San Francisco CA, December 2016.

2016 ASU School of Life Sciences Honors Event poster, “What’s in a name? The importance of student perceptions of an instructor knowing their names in a high enrollment biology course,” Anna Krieg, Tempe AZ, December 2016.

2016 ASU’s Inclusion Education Conference workshop, “Building inclusive and fair classrooms: Spotting sources of bias in biology classrooms,” Katelyn Cooper, Tempe AZ, November 2016.

2016 National Association of Biology Teaching (NABT) national meeting talk, “Reducing students' perceived conflict between religion and evolution,” Liz Barnes, Denver CO, October 2016.

2016 National Association of Biology Teaching (NABT) national meeting poster, "The survey matters: instructors using different surveys to measure acceptance of evolution may be reaching different conclusions about their students," Liz Barnes, Denver CO, October 2016.

2016 Ecology Society of America national meeting talk, "Why you should teach course-based undergraduate research experiences," Erin Shortlidge, Fort Lauderdale FL, July 2016.

2016 Society for the Advancement of Biology Education Research national meeting poster, "Exploring instructor rationale for designing classroom assessment," Austin Huang, Minneapolis MN, July 2016.

2016 Society for the Advancement of Biology Education Research national meeting poster, "How identity, biology content, and instructional practices impact religious students' sense of belonging in the biology classroom," Jasmine Truong, Minneapolis MN, July 2016.

2016 Society for the Advancement of Biology Education Research national meeting poster, "GenBio-MAPS: A programmatic assessment to measure student understanding of core biology concepts across a general biology curriculum," Christian Wright, Minneapolis MN, July 2016.

2016 Society for the Advancement of Biology Education Research national meeting poster, "Using a lens of Expectancy Value Theory to explore student resistance to active learning," Michael Ashley, Minneapolis MN, July 2016.

2016 Society for the Advancement of Biology Education Research national meeting poster, "Reducing students' perceived conflict between religion and evolution," Liz Barnes, Minneapolis MN, July 2016.

2016 Society for the Advancement of Biology Education Research national meeting talk, "What's in a name? The importance of student perceptions of an instructor knowing their names in a high enrollment biology course," Katelyn Cooper, Minneapolis MN, July 2016.

2016 Society for the Advancement of Biology Education Research national meeting talk, "A bridge to active learning: A summer bridge program helps students to maximize active learning experiences and the active learning experiences of others," Katelyn Cooper, Minneapolis MN, July 2016.

2016 Human Behavior and Evolution national meeting poster, "Reducing students' perceived conflict between religion and evolution," Liz Barnes, Vancouver BC Canada, June 2016.

2016 Evolution national meeting poster, "Addressing potential conflict between students' religious beliefs and evolution: instructor attitudes, practices, and barriers," Liz Barnes, Austin TX, June 2016.

2016 Evolution national meeting talk, "Reducing students' perceived conflict between religion and evolution," Liz Barnes, Austin TX, June 2016.

2016 Council for Undergraduate Research (CUR) meeting poster, "An exploratory interview study of what factors impact student participation in undergraduate research," Katelyn Cooper, Tampa FL, May 2016.

2016 Council for Undergraduate Research (CUR) meeting poster, "A high enrollment course-based undergraduate research experience improves student conceptions of scientific thinking," Katelyn Cooper, Tampa FL, May 2016.

2016 ASU SOLS Undergraduate Research Symposium poster, "A bridge to active learning: A summer bridge program helps students to maximize their active learning experiences," Michael Ashley, Tempe AZ, April 2016.

2016 ASU SOLS Undergraduate Research Symposium poster, "How identity, biology content, and instructional practices impact religious students' sense of belonging in the biology classroom," Jasmine Truong, Tempe AZ, April 2016.

2016 ASU LGBT Showcase talk, "Coming out in class: The challenges and opportunities of active learning for LGBTQIA students in an undergraduate biology class," Katelyn Cooper, Tempe AZ, April 2016.

2016 Experimental Biology meeting poster, "Design elements of a high enrollment course based undergraduate research experience may lead to inaccurate student conceptions about scientific research," Katelyn Cooper, San Diego CA, April 2016.

2016 Freshman Research Initiative (FRI) Biennial Conference poster, "Design elements of a high enrollment course-based undergraduate research experience may lead to inaccurate student conceptions about scientific research," Katelyn Cooper, Austin, TX, March 2016.

2016 Biology Leadership Community poster, "Cognitive difficulty and format of exams predicts gender and socioeconomic gaps in exam performance of students in introductory biology courses," Christian Wright, New Orleans LA, February 2016.

2016 ASU ISTL Learning Innovation Showcase poster, "A two-week intensely active learning biology program has a positive impact on incoming first year students," Katelyn Cooper and Michael Ashley, Tempe AZ, January 2016.

2016 ASU ISTL Learning Innovation Showcase poster, "Cognitive difficulty and format of exams predicts gender and socioeconomic gaps in exam performance of students in introductory biology courses," Christian Wright, Tempe AZ, January 2016.

2016 ASU Jumpstarting STEM Careers conference poster, "A high enrollment course-based undergraduate research experience improves student conceptions of scientific thinking," Katelyn Cooper, Tempe AZ, January 2016.

2015 American Society for Cell Biology national meeting poster, "A high enrollment course-based undergraduate research experience improves student conceptions of scientific thinking," Katelyn Cooper, San Diego CA, December 2015.

2015 Association for American Colleges and Universities national STEM Education meeting poster, "Faculty perspectives on course-based undergraduate research experiences," Erin Shortlidge, Seattle WA, November 2015.

2015 Society for the Advancement in Biology Education Research (SABER) national meeting poster, "GenBio-MAPS: A programmatic assessment to measure students understanding of core biology concepts across a general biology curriculum," Christian Wright, Minneapolis MN, July 2015.

2015 Society for the Advancement in Biology Education Research (SABER) national meeting poster, "Pedagogies of Professors Teaching Evolution at Secular versus Christian Colleges," Liz Barnes, Minneapolis MN, July 2015.

2015 Society for the Advancement in Biology Education Research (SABER) national meeting poster, "A high enrollment course-based undergraduate research experience improves student conceptions of scientific thinking and ability to interpret data," Katelyn Cooper, Minneapolis MN, July 2015.

2015 Society for the Advancement in Biology Education Research (SABER) national meeting talk, "Faculty perceptions on course-based undergraduate research experiences," Erin Shortlidge, Minneapolis MN, July 2015.

2015 Society for the Advancement in Biology Education Research (SABER) national meeting talk, "Exam characteristics exacerbate performance gaps between male and female students," Christian Wright, Minneapolis MN, July 2015.

2015 BioLogos: Evolution and Christian Faith national meeting poster, "Pedagogies of Professors Teaching Evolution at Secular versus Christian Colleges," Liz Barnes, Grand Rapids MI, May 2015.

2015 International Society for Evolution, Medicine, and Public Health national meeting poster, "Pedagogies of Professors Teaching Evolution at Secular versus Christian Colleges," Liz Barnes, Tempe AZ, March 2015.

2015 American Association for the Advancement of Science (AAAS) national meeting poster, "Pedagogies of Professors Teaching Evolution at Secular versus Christian Colleges," Liz Barnes, San Francisco CA, February 2015.

2014 Society for the Advancement in Biology Education Research (SABER) national meeting poster, "Examining introductory and advanced undergraduates' understanding of systems biology concepts using the BioCore Guide," Christian Wright, Minneapolis MN, July 2014.

Teaching Experience:

- **Instructor, School of Life Sciences, Arizona State University, 2014- current**
  - Developed and taught a large-enrollment active learning undergraduate animal physiology course to ~150-335 students
    - BIO 360 Animal Physiology, Fall 2014, Fall 2015, Fall 2016, Fall 2017, Fall 2019, Fall 2020, Fall 2022, Spring 2024, Spring 2025, Spring 2026
    - Nominated by 30 students and awarded Centennial Professorship in 2015
    - Nominated by student as Professor of Impact in 2025
  - Developed and taught a biology education research course to undergraduate and graduate students in the context of a course-based undergraduate research experience (CURE) to ~5-15 students
    - BIO 598 Biology Education Research, Spring 2014, Spring 2015, Spring 2017
  - Developed and taught a science education research course focused on teaching community

college transfer students about undergraduate research to ~10-20 students
    - BIO/BCH/SES 494 Learning about Research, Fall 2017, Fall 2018, Fall 2019, Fall 2020, Fall 2021
    - BIO/BCH/SES 494 Engaging in Research, Spring 2018, Spring 2019, Spring 2020, Spring 2021, Spring 2022
    - BIO/BCH/SES 494 Advising research, Fall 2018, Fall 2019, Fall 2020, Fall 2021, Fall 2022
    - BIO/BCH/SES 494 Producing research, Spring 2019, Spring 2020, Spring 2021, Spring 2023, Spring 2024
  - Developed and taught an active learning evolutionary medicine course to ~25 students
    - BIO/ASB294 Introduction to Evolutionary Medicine, Spring 2019
  - Developed and taught a journal club focused on recent papers in discipline-based education research to ~10-15 students
    - BIO 591 Papers in Discipline-based Education Research, Fall 2014, Spring 2015, Fall 2015, Spring 2016, Fall 2016, Spring 2017, Fall 2018, Spring 2019, Fall 2019, Spring 2020, Fall 2020, Spring 2021, Fall 2022, Spring 2023, Fall 2023, Spring 2024, Fall 2024, Spring 2025, Fall 2025, Spring 2026, Fall 2026
  - Developed and taught a college success course to first year biology majors to ~20 students
    - BIO 189 Big Topics in Biology, Fall 2014
    - BIO 189 Extension of Summer Bridge Program, Fall 2015, Fall 2016
  - Developed and coordinated a seminar course on improving teaching for undergraduates and graduate students to ~15 students
    - BIO 494/598 Evidence-based Teaching in STEM, Fall 2015, Spring 2016, Fall 2016, Spring 2017
  - Mentored undergraduates in biology education research
    - BIO 495 Undergraduate Research, Fall 2014, Spring 2015, Fall 2015, Spring 2016, Fall 2016, Spring 2017, Fall 2017, Fall 2018, Spring 2019, Fall 2019, Spring 2020, Fall 2020, Spring 2021, Fall 2021, Spring 2022, Fall 2022, Spring 2023, Fall 2023, Spring 2024, Fall 2024, Spring 2025, Fall 2025, Spring 2026, Fall 2026
- **Lecturer, Department of Biology, Stanford University, 2011-2012**
  - Developed and taught two upper-level writing-intensive courses to ~15 students in each course
    - BIO 199W Senior Honors Thesis: How to communicate scientific research, Fall 2011, Fall 2012
    - BIO 197WB Communicating neuroscience to non-scientists, Spring 2012
  - Developed and taught an introductory course-based undergraduate research experience to 250 students as part of a collaborative four-person instructional team
    - BIO 44X Core Molecular Biology Laboratory: Investigating p53 mutants, Winter 2012, Fall 2012
- **Graduate Student Course Developer and Instructor, Stanford University, 2009-2011**
  - Brain and Immune System, Winter 2009, Winter 2010, Winter 2011
    - Co-developed and co-taught an upper-level undergraduate and graduate student neuroimmunology course that emphasized science communication to a layperson audience. Course was offered for three consecutive years to ~20 students per year.
- **Graduate Teaching Assistant, Stanford University, 2007-2008**
  - Human Behavioral Biology, Spring 2008
    - TA for this 500-student course. Lectured once to the whole class, led weekly discussion sections for two sections of ~20 students each, held review sessions, and wrote/graded exams.
  - Cell Biology and Animal Physiology, Winter 2008
    - TA for this 250-student course. Led weekly discussion sessions for two sections of ~20 students each, held office hours, held review sessions, and wrote/graded exams.

- Neural Systems and Behavior, Fall 2007
  - TA for this 100-student course. Led weekly discussion sections for two sections of ~12 students each and wrote/graded exams.

Trainees Mentored in Individual Apprenticeships:

- **Postdoctoral scholars in biology education research, Arizona State University**
  - Riley Pizza, September 2025- present
  - Emma Goodwin, August 2021- July 2024
    - Current position: Tenure-track Assistant Professor in Biology Education, Department of Microbiology, University of Georgia
  - K. Supriya, August 2019- March 2021
    - Current position: Associate director for data science supporting student success, Center for Education Innovation and Learning in the Sciences, University of California Los Angeles
  - M. Elizabeth Barnes, June 2018- July 2020
    - Current position: Tenured Associate Professor in Biology Education, Department of Biology, Middle Tennessee State University. Next position: Tenure-track Assistant Professor, Department of Biology, Middle Tennessee State University
  - Dan Grunspan, August 2016- June 2020 (co-advised with Randy Nesse)
    - Current position: Tenure-track Assistant Professor in Biology Education, Department of Biology, University of Guelph
  - Katelyn Cooper, June 2018-July 2019
    - Current position: Tenured Associate Professor in Biology Education, School of Life Sciences, Arizona State University; Previous position: Tenure-track Assistant Professor in Biology Education, School of Life Sciences, Arizona State University; Next position: Tenure-track Assistant Professor in Biology Education at University of Central Florida
  - Christian Wright, June 2014- June 2015
    - Current position: Associate Director, EdPlus, Arizona State University. Next position: Teaching faculty, School of Life Sciences, Arizona State University
  - Erin Shortlidge, September 2014- September 2015
    - Current position: Executive Director in the Center for Teaching and Learning at University of New Mexico; Previous positions: Tenured Associate Professor in Biology Education. Next position: Tenure-track Assistant Professor, Department of Biology, Portland State University

- **Graduate students in biology education research, Arizona State University**
  - Ben Chan, Ph.D. student in Biology and Society (advisor)
  - Baylee Edwards, Ph.D. student in Biology and Society (advisor)
  - Joseph Gazing Wolf, Ph.D. student in Biology and NSF Graduate Fellow in STEM, 2021-2025 (advisor)
    - Next position: Started his own non-profit as a liaison for indigenous communities
  - Carly Busch, Ph.D. student in Biology and Society and NSF Graduate Fellow in STEM Education, 2020-2024 (co-advisor with Katelyn Cooper)
    - Next position: NSF STEM Education Postdoctoral Fellow at the University of Washington
  - Taya Misheva, Ph.D. student in Biology and Society, 2019-2023 (advisor)
    - Next position: NSF STEM Education postdoctoral scholar at Syracuse University and current position: Tenure-track Assistant Professor in Biology at Penn State Brandywine

- Baylee Edwards, M.S. student in Biology and Society, 2021- 2022 (advisor)
  - Next position: Ph.D. student in Biology and Society
- Jacob Youngblood, Ph.D. student in Biology, 2019- 2021 (advisor on education project)
  - Next position: Tenure-track Assistant Professor, Southern Oregon University
- Logan Gin, Ph.D. student in Biology and Society and NSF Graduate Fellow in STEM Education, 2017-2022 (co-advisor with Katelyn Cooper)
  - Next position: Assistant director of STEM education, Sheridan Center of Teaching and Learning, Brown University
- Evan Brus, Ph.D. student in Biology, 2014- 2017 (advisor on education projects)
- Erika Nadile, Ph.D. student in Biology and Society, 2019-2024 (advisor on education projects and PhD committee member)
  - Next position: Assistant Director, Interdisciplinary Connections, Searle Center for Advancing Teaching and Learning, Northwestern University
- Virginia Downing, Academic advisor, 2016-2019 (advisor on education project)
  - Next position: Ph.D. student in Education at University of Wisconsin Madison, and current position: an Assistant Professor in Educational Leadership Studies at University of Kentucky
- Jacqueline Cala, non-degree completing graduate student in Biology, 2017-2018 (advisor)
  - Next position: Biology faculty, Chandler-Gilbert Community College and current position: Tenured Division Chair of Biological Sciences at Chandler-Gilbert Community College
- M. Elizabeth Barnes, M.S. student in Biology and Society, 2013-2014 (advisor), Ph.D. student in Biology and Society and NSF Graduate Fellow in STEM Education, 2014-2018 (advisor)
  - Next position: NSF-funded biology education postdoc, ASU
- Katelyn Cooper, Ph.D. student in Biology, 2015-2018 (advisor)
  - Next position: NSF-funded biology education postdoc, ASU
- Brian Haney, Ph.D. student in Animal Behavior, 2015- 2016 (advisor on education project)
  - Next position: Teaching postdoc, Stonehill College
  - Current position: Tenure-track faculty at College of Mount St. Vincent
- Nevada Wagoner, M.S. student in Biology and Society, 2014-2015 (advisor)
  - Next position: Freshmen Academic Advisor, Embry Riddle Aeronautical University
- Katie Fenton, M.A. student in Science Teaching at Northern Arizona University, 2014-2015 (co-advisor)
  - Stay-at-home mom and now a volunteer in the RISE Center

- **Undergraduate students in biology education research, Arizona State University**
  - Molly Budhiraja, ASU undergraduate, 2025- present
  - Anmary Thomas, ASU undergraduate, 2025- present
  - Emi Melfi, ASU undergraduate, 2025- present
  - Len Wang, ASU undergraduate, 2025- present
  - Mathew Griffin, ASU undergraduate, 2025-present
  - Sophia Lu, ASU undergraduate, 2025- present
  - Jusreen Kaur, ASU undergraduate, 2025- 2026
  - Zahraa Kamil, ASU undergraduate, 2025- 2026
  - Lennessa Mazo, ASU undergraduate, 2025- 2026
  - Rhys Lenick, ASU undergraduate, 2025
  - Tillie Fernau, ASU undergraduate, 2025- 2026
  - Kennedy Patton, ASU undergraduate, 2025
  - Tatum Peterson, ASU undergraduate, 2025
  - Mackenzie Porbanic, ASU undergraduate, 2025- 2026
  - Ethan Anderson, ASU undergraduate, 2025- 2026

- Summer Perri, ASU undergraduate, 2025- 2026
- Kassandra Licano Rodriguez, ASU undergraduate, 2025- 2026
- Jeyra Nevarez Araiza, ASU undergraduate, 2025
- Aliya Hashim, ASU undergraduate, 2025- 2026
- Corinne Mitra, ASU undergraduate, 2022-23
    - Next position: Biology 4+1 Masters
- Danielle Pais, ASU undergraduate, 2021- 2022 (advisor)
    - Next position: Masters in Sociology at University of Ghent, Belguim
- Nina Kolath, ASU undergraduate, 2020- 2022 (advisor)
- Jingyi He, ASU undergraduate, 2020- 2022 (advisor)
- Anna Abraham, ASU undergraduate, 2019-2022 (advisor)
- Samantha Maas, ASU undergraduate, 2019-2020 (advisor)
    - Next position: RISE Center program coordinator, current position: Law student at ASU College of Law
- Tala Araghi, ASU undergraduate, 2020-2021 (co-advisor)
- Baylee Edwards, ASU undergraduate, 2020-2021 (advisor)
    - Next position: Masters program in Biology and Society
- Yareli Reyes, ASU undergraduate, 2020-2021 (advisor)
    - Next position: Medical student at Burrell College of Osteopathic Medicine in Las Cruces, NM
- Elonna Okuagu, ASU undergraduate, 2020- 2021 (advisor)
- Puja Chhetri, ASU undergraduate, 2019-2021 (advisor)
- Kaela Villegas, ASU undergraduate, 2019- 2021 (advisor)
- Brian Cruz, ASU undergraduate, 2019- 2021 (advisor)
- Sara Etebari, ASU undergraduate, 2019-2020 (advisor)
- Julie Roberts, ASU undergraduate, 2019- 2020 (advisor)
    - Next position: Professional Masters program at Northwestern University
- Brittany Rolfe, ASU undergraduate, 2019- 2020 (advisor)
    - Next position: Teaching K-12
- Frankie Guerrero, ASU undergraduate, 2019 – 2020 (advisor)
    - Next position: Research assistant in Biology Education Research Lab
- Rachel Scott, ASU undergraduate, 2019 (advisor)
    - Next position: Lab manager in Biology Education Research Lab
- Hayley Dunlop, ASU undergraduate and SOLUR researcher, 2016-2019 (advisor)
    - Next position: Pursuing a MPH at University of Edinburgh and then medical school at The Ohio State University
- Leilani Pfeiffer, ASU undergraduate, 2019 (advisor)
- Jasmine Truong, ASU undergraduate and SOLUR researcher and fellow, 2015- 2018 (advisor)
    - Next position: Pursuing a MPH at Johns Hopkins University
- Taija Hendrix, ASU undergraduate, 2016-2018 (advisor)
    - Next position: Elementary science teacher
- Michelle Stephens, ASU undergraduate, 2017- 2018 (advisor)
    - Next position: Research technician at University of Wisconsin Madison
- Kali Mahrer, ASU undergraduate, 2017 (advisor)
- Austin Huang, ASU undergraduate and SOLUR researcher, 2014-2017 (advisor)
    - Next position: Elementary math and science teacher
- Michael Ashley, ASU undergraduate and then research assistant, 2015- 2017 (advisor)
    - Next position: Medical student at Creighton
- Anna Krieg, ASU undergraduate and Honors thesis student, 2016- 2017 (advisor)

        - Next position: Masters student in teaching program and teaching high school biology
    - Kayla Campbell, ASU undergraduate, 2016- 2017 (advisor)
        - Next position: Medical student in the Navy Medical School
    - Dalia Aguilar, ASU undergraduate, 2016- 2017(advisor)
    - Cyril Wassef, ASU undergraduate, SRE researcher, and Honors thesis student, 2015-2016 (advisor)
    - Aditya Ponnapalli, ASU undergraduate, 2016 (advisor)
    - Samantha Belcher, ASU undergraduate, 2015 (advisor)
    - Monro Obenauer, ASU undergraduate, 2015 (advisor)
    - Kate Bergovoy, ASU undergraduate, 2015 (advisor)
    - Sailesh Tummala, ASU Honors thesis student, 2014-2015 (co-advisor)
    - Anika Larson, ASU Honors thesis student, 2014-2015 (thesis committee member)
    - Bethany Vu, ASU Honors thesis student, 2013-2014 (co-advisor)

- **Committee member for theses, Arizona State University**
    - Tasneem Mohammed, Ph.D. student in Biology and Society, 2023- present (committee member)
    - Jynx Pigart, Ph.D. student in Biology and Society, 2023- present (committee member)
    - Tom Roberto, M.A. student in Geosciences Education, 2017-2018 (committee member)
    - Nicholas Massimo, Ph.D. student in Biology, 2017-2018 (committee member)
    - Evan Brus, Ph.D. student in Biology, 2014- 2019 (committee member)
    - Lishan Zheng, Ph.D. student in Computer Science, 2015 (committee member)
    - Anika Larson, ASU Honors thesis student, 2014-2015 (committee member)
- **Undergraduate students in neuroimmunology research, Stanford University, 2008-2011**
    - Rachel Becker, Stanford undergraduate, awarded the Shuer Award for Excellence in Neuroscience Research award for her honors thesis, and was awarded a NSF Pre-doctoral Graduate Fellowship.
    - Aleena Syed, Stanford undergraduate who went on to medical school at Texas A&M
    - Ryan Medlock, high school student who went on to be a Vanderbilt undergraduate
    - David Praharaj, high school student who went on to be a Stanford undergraduate
    - Sriya Subramani, University of Iowa undergraduate who went on to medical school at Univ of Iowa
    - Kyle Duff, Stanford undergraduate who went on to medical school at University of Pittsburgh
    - Juliet Idiga, Stanford undergraduate who went on to medical school at Columbia University
    - Tyler Berbert, high school student who went on to be a Stanford undergraduate

Awards for trainees:

2026
School of Life Sciences Innovative TA award, Ben Chan

2025
ASU Graduate College Travel Award, Baylee Edwards
ASU School of Life Sciences Travel Award, Baylee Edwards
ASU graduate College Completion Fellowship, Baylee Edwards
Philanthropic Educational Organization Scholar Award, Baylee Edwards
ASU School of Life Sciences Graduate Student Poster Competition, Baylee Edwards

2024
ASU Graduate and Professional Student Association travel grant, Baylee Edwards

National Science Foundation STEM Ed Postdoctoral research fellowship, Carly Busch
Graduate and Professional Student Association Teaching Excellence Award, Baylee Edwards
Graduate Student Association Outstanding Mentorship Award, Baylee Edwards

2023
ASU's Institute for Social Science Research Graduate Student Poster Contest 2nd place, Carly Busch
Study of Science and Belief in Society travel award, Baylee Edwards
ASU Graduate and Professional Student Association travel grant, Baylee Edwards
ASU Biology and Society travel award, Baylee Edwards
National Science Foundation STEM Ed Postdoctoral research fellowship, Taya Misheva

2022
Selected as one of 49 invited scholars for the European Science Education Research Association (ESERA) Summer School, Carly Busch
AAAS 1st prize for graduate student E-poster competition in social sciences, Carly Busch
AAAS 1st prize for undergraduate student E-poster competition in science and society, Sam Maas
American Physiology Society 2022 Barbara A. Horwitz and John M. Horowitz Outstanding Undergraduate Abstract Award, Anna Abraham
American Physiology Society Undergraduate Research Excellence Award, Anna Abraham
American Physiology Society Teaching of Physiology Section New Investigator Award, Katelyn Cooper
ASU School of Life Sciences Student of the Year in Biomedical Sciences, Anna Abraham
ASU Graduate College Travel Award, Carly Busch
ASU College of Liberal Arts and Sciences, Graduate Excellence Award, Carly Busch
National Science Foundation STEM Education Postdoctoral Research Fellowship, $300,000 for 2 years, Emma Goodwin
ASU Graduate and Professional Student Association travel grant, Baylee Edwards
ASU Biology and Society travel award, Baylee Edwards
ASU School of Life Sciences travel award, Baylee Edwards
ASU Graduate College travel award, Baylee Edwards

2021
ASU College of Liberal Arts and Sciences Outstanding Graduate, Logan Gin
AAAS 1st prize for undergraduate poster session in science and society, Julie Roberts
AAAS 1st prize for graduate student poster session in social sciences, Erika Nadile
AAAS 2nd prize for undergraduate student poster session in social sciences, Puja Chhetri
American Physiology Society Teaching Section Research Recognition Award, Carly Busch
ASU Graduate College Fellowship, Erika Nadile
ASU School of Life Sciences Travel Award, Erika Nadile
ASU Graduate College Travel Award, Carly Busch

2020
ASU School of Life Sciences Student of the Year in Biomedical Sciences, Frankie Guerrero
ASU Moeur Award, Frankie Guerrero
NABT 1st prize for undergraduate student poster session, Anna Abrahams
NABT 1st prize for graduate student poster session, Erika Nadile
NABT 3rd prize for mentored student poster session, Baylee Edwards
ASU Committee for Campus Inclusion Catalyst Award for Staff, Supriya

2019
ASU Undergraduate Student Government travel award, Hayley Dunlop

ASU Barrett travel award, Hayley Dunlop
Gordon research conference travel award, Katelyn Cooper
Gordon conference discussion leader, Katelyn Cooper
Gordon research conference travel award, Logan Gin
ASU Graduate College travel grant, Logan Gin
ASU GPSA travel grant, Logan Gin
Science and Religion conference travel award, Liz Barnes
Fully funded Masters in Public Health at University of Edinburgh, Hayley Dunlop
ASU GPSA travel award, Logan Gin

2018
ASU Faculty Women's Association (FWA) Distinguished Graduate Student Award, Katey Cooper
ASU Faculty Women's Association (FWA) Distinguished Graduate Student Award, Liz Barnes
ASU CLAS Dean's medalist award for top student in the School of Life Sciences, Jasmine Truong
ASU School of Life Sciences True Grit award for student with the most growth, Taija Hendrix
ASU School of Life Sciences Innovative TA award, Katey Cooper
ASU School of Life Sciences Innovative TA award, Evan Brus
ASU School of Life Sciences Scholarship award winner, Hayley Dunlop
ASU School of Life Sciences Faculty Excellence in Teaching award, Christian Wright
ASU School of Life Sciences (SOLS) Graduate Student Travel Award, $400, Logan Gin
American Society for Cell Biology LGBTQ+ Travel Award, $600, Katelyn Cooper
ASU School of Life Sciences (SOLS) Graduate Student Travel Award, $400, Katelyn Cooper
CourseSource travel award to meeting, Dan Grunspan
ASU Undergraduate Student Government travel award, Hayley Dunlop

2017
ASU Graduate and Professional Student Association Teaching Excellence Award, Katey Cooper
ASU Graduate and Professional Student Association Mentorship Award, Liz Barnes
Inclusive Environments and Metrics for Biology Education Research (iEMBER) lightning talk award, Katey Cooper
National Science Foundation (NSF) Graduate Fellowship, Logan Gin
ASU College of Liberal Arts and Sciences (CLAS) Graduate Excellence Award, Liz Barnes
AAAS 2nd place student poster competition, Liz Barnes
ASU SOLUR Researcher, Hayley Dunlop
ASU SOLUR Researcher, Taija Hendrix
ASU SOLUR Fellow, Jasmine Truong
ASU School of Life Sciences Undergraduate Programs Travel Stipend, $500, Katey Cooper
ASU Graduate & Professional Student Association (GPSA) Travel Grant, $950, Katey Cooper
ASU School of Life Sciences (SOLS) Graduate Student Travel Award, $400, Katey Cooper
ASU Graduate College Travel Award, $500, Katey Cooper
Environment and Metrics in Biology Education and Research (EMBER) Grant, $500, Katey Cooper
Undergraduate Biology Education Gordon Research Conference Travel Award, $500, Katey Cooper
SOLUR Program Travel Grant, $300, Taija Hendrix
ASU Graduate & Professional Student Association (GPSA) Travel Grant, $950, Liz Barnes
ASU Graduate College Travel Award, $450, Liz Barnes
Portland State Teaching award, Erin Shortlidge

2016
ASU College of Liberal Arts and Sciences (CLAS) Graduate Excellence Award, Katelyn Cooper
ASU SOLUR Researcher, Jasmine Truong
ASU CLAS Undergraduate Summer Enrichment Scholarship, Jasmine Truong

ASU SOLS Student of the Year for Genetics, Cell, and Developmental Biology, Michael Ashley
American Society for Biochemistry and Molecular Biology Graduate Travel Award, Katelyn Cooper, $1000
ASU School of Life Sciences (SOLS) Graduate Student Travel Award, Katelyn Cooper, $400
ASU Graduate & Professional Student Association (GPSA) Travel Grant, Katelyn Cooper, $450
ASU School of Life Sciences Graduate Student Travel Grant, Liz Barnes, $400
ASU School of Life Sciences Graduate Student Travel Grant, Liz Barnes, $400
ASU Graduate Education Travel Grant, Liz Barnes, $500
ASU SOLS travel funds, Austin Huang, $250
Nominated for ASU Faculty Women's Association Graduate Student Award, Liz Barnes and Katelyn Cooper

2015
National Science Foundation (NSF) Graduate Fellowship, Liz Barnes
ASU SOLS SOLUR Researcher, Austin Huang
ASU SOLS SOLUR Summer Research Experience program, Cyril Wassef
ASU SOLS Joyce Foster Larson Scholarship, Samantha Belcher
ASU Graduate & Professional Student Association (GPSA) Travel Grant, Katelyn Cooper, $632
ASU SOLS Graduate Student Travel Award, Katelyn Cooper, $400
BioLogos Travel grant, Liz Barnes, $500
ASU College of Liberal Arts and Sciences (CLAS) Graduate Excellence Award, Liz Barne

2014 and earlier
National Academies Summer Institute on Scientific Teaching Fellow, Christian Wright
ASU Biology and Society Travel Grant, Liz Barnes, $1600
National Science Foundation (NSF) Graduate Fellowship for undergraduate trainee, Rachel Becker
Stanford Shuer Award for Excellence in Neuroscience Research award for honors thesis, Rachel Becker

Program-level Mentoring, Curriculum Development, and Informal Teaching Experience:

- *Faculty director for RISE Ambassador Program,* ASU, 2023- present
  Led a ground up program for ~15 undergraduates to help make STEM more inclusive at ASU, which included conducting student listening sessions, writing blog posts, creating resources, and doing education research related to inclusion.
- *Faculty director for LEAP Scholars Program*, ASU, 2017-2024
  Ran a 4-semester long program for ~10-20 community college transfer students for 8 years to help them learn about research and place them in scientific research labs. Built community and helped them learn about research by teaching them in the format of a course-based research experience in education focused on research questions related to undergraduate research, which led to all students as co-authors on publications.
- *Faculty co-director for Early Start BioBridge Program*, ASU, 2014-2019
  Co-led two-week intensive early start bridge program for ~30-50 incoming first year students majoring in biology for 6 years. Focus of the program was on helping students do well in their first-year courses, helping them navigate college, and building community.
- *Undergraduate Biology Honors Program Director, Stanford University, 2011-2012*
  Mentored students, coordinated logistics, and provided extensive writing feedback on student honors proposals and drafts of honors theses for 65 Biology majors.
- *Bing Honors College Faculty Mentor, Human Biology, Stanford University, 2011-2012*
  Mentored ~12 senior human biology majors as the natural sciences faculty mentor in an undergraduate honors thesis bootcamp. Led workshops and gave presentations on skills and tools necessary to write a good honors thesis, as well as individual mentoring.
- *Explorations Program Founder and Director, Stanford University, 2008-2012*

Founded and directed a program in the introductory Biology curriculum where grad students and postdocs taught single session hands-on, interactive specialized classes on topics in biology that undergraduate students would not have gotten exposure to in intro biology. Over 100 graduate students and postdocs participated, over 600 undergraduates attended classes during these years, and the program is ongoing. Published two papers on program evaluation.

- *Center for Teaching and Learning (CTL) Consultant, Stanford University, 2010-2011*
  Served as a teaching consultant for university-wide departments. Led videotaped microteaching sessions, small group evaluations, and TA training.
- *Biology Department TA Orientation Founder and Coordinator, Stanford University, 2010-2012*
  Initiated the first-ever Biology department-specific TA orientation for incoming graduate students. Orientation focused on departmental TA mentoring opportunities and support services, teaching goals, and small group discussions about teaching challenges.
- *Mentors in Teaching (MinT) Fellow, Stanford University, 2009-2011*
  Selected as a fellow for a university-wide TA mentorship program that worked with multiple departments to improve graduate student teaching through workshops, videotaped teaching sessions, and the development of new mentoring programs.
- *Biocore Advisors Founder and Director, Stanford University, 2008-2011*
  Founded and directed a TA training program for teaching assistants in the introductory Biology core classes that paired new TAs with previously successful TAs that have taught the same course. 18 mentors worked with over 54 TAs while I directed the program and program is now a mandatory part of TA training for graduate students in Biology.
- *HHMI EXROP Summer Research Coordinator, Stanford University, 2011*
  Coordinated a 10-week HHMI-funded summer undergraduate research program to six first generation students doing biological research.
- *High School Outreach Program Coordinator and Instructor, Scripps Research, 2004-2007*
  Program coordinator for 2006-2007; taught high school students and teachers specialized topics in biology and chemistry and organized the summer research internship and mentoring program.
- *Scientific Volunteer, Ruben H. Fleet Science Museum, San Diego, 2005*
  Performed hands-on demonstrations in an informal science education setting.
- *Biology Student Advisor, Cornell University, 2003-2004*
  Mentored freshman biology majors, helped plan freshman schedules, held advising office hours, and tutored introductory biology and chemistry.

Professional Service:

Institution-level service at ASU:

- Founding Director for Research in Inclusive STEM Education (RISE) Center, 2020- present
  Established a new research center focused on improving inclusion in college STEM
- SEA Change advisory board, 2023- present
- School of Life Sciences Mentoring Committee, 2024- present
- School of Life Sciences Commitment to Learning, Ethics, and Academic Responsibility Committee, 2026-present
- Dean's Advisory Council for Strategic Charter Initiatives, 2020-2025
- Panelist for Faculty Women's Association "Pathways to Promotion" discussion, 2025
- Panelist for ASU-wide Mentoring Matters: Demystifying Grad School for First-gen students, 2025
- School of Life Sciences Committee for Strategic Charter Initiatives, 2020-2024
- School of Life Sciences Mentoring Structure Committee, 2024
- College-level search committee to select the dean for the college, 2023-2024
- School of Life Sciences Graduate Student Orientation Panel, 2023, 2024
- School of Life Sciences Building social interactions within the unit working group, 2023
- Animal Physiology learning goals committee, 2018-2021

Served on a committee of other instructors of Bio360 Animal Physiology to come to consensus about learning goals for the course

- School of Life Sciences Academic Integrity working group, 2020
- College-level search committee to select a dean of natural sciences, 2020
- School of Life Sciences Strategic Planning committee, 2018- 2020
  Committee to plan goals in teaching and research for the School of Life Sciences
- University-level General Studies Task Force, 2018
  Identified a new plan for general studies across the four different campuses of the university
- Active Learning Steering Committee, 2016- 2019
  Served on committee dedicated to exploring technological and structural needs of classroom spaces for active learning
- Guest lecturer/presenter, 2014- 2018
  Biology and Society Conversation series, Can institutions be elite and inclusive? Fall 2018
  DCI 791: Transdisciplinary Seminar II, Spring 2017
  ELS 501 Grand Challenges in Environmental Life Sciences, Fall 2016, Fall 2017
  Biology and Society Lab, Spring 2016
  IGERT Alliance for Person Centered Accessible Technologies, Spring 2016
  School of Life Sciences Graduate Student Orientation, Fall 2014
- Participant in panel for new Assistant Professors "Teaching at ASU," 2017, 2019
- Faculty co-director for Seminar Series Evidence-based Teaching in STEM, 2015 – 2018
  Served as a co-director for seminar series that focuses on evidence-based teaching in college STEM and aims to create a learning community of faculty, staff, and students interested in teaching. We hosted 10 outside speakers over three years.
- Faculty participant in Camp Ignite, 2014-2016
  Attended 2-day summer program for all incoming biology majors that was aimed at building community
- College of Liberal Arts and Sciences Inclusion Campus Climate Committee, 2016- 2017
  Served on a college-level committee focused on inclusion
- Workshop facilitator, Global Health & Human Biology SOLS/SHESC Workshop, 2016
  Facilitated a half-day discussion on competencies and curriculum for ~40 faculty members who teach classes or do research related to global health.
- Faculty co-director for Graduate Certificate in Scientific Teaching in Higher Education, 2014-2015
  Helped design program of study and get institutional approval. Program is intended to provide interested graduate students with a suite of courses, mentored teaching opportunities, and the opportunity to engage in biology education research.
- First Year Forward Committee, 2014 - 2015
  Served on committee dedicated to addressing how *all* students experience their first year at college.
- School of Life Sciences Director Search Committee, ASU, 2014- 2015
  Served on departmental committee to conduct a target hire for high level Director position.
- School of Life Sciences Instructional Professional Search Committee, ASU, 2014- 2015
  Served on departmental committee to hire two active learning specialists in biology.
- Institution-wide STEM Education Group, 2014
  Served on committee dedicated to STEM education across the ASU campus that participated in STEM education discussions and collaborative grant writing.
- Curriculum Reform Committee, School of Life Sciences, 2014
  Served on departmental committee to help biology instructors improve their courses by engaging in more student-centered instruction.

National-level:

- Senior Editor for CBE Life Sciences Education, 2025- present

- AAAS Committee on Fellows (CoF) representative, 2024- present
- Co-chair of Society for the Advancement in Biology Education Research (SABER) Mary Pat Wenderoth Lectureship Committee, 2024-present
- Monitoring Editor for CBE Life Sciences Education, 2023-2025
- Co-lead of Society for the Advancement in Biology Education Research (SABER) LGBTQ+ affinity group, 2019-2023
- Lead for Society for the Advancement in Biology Education Research (SABER) Virtual seminar series, 2020-2023, 2025
- Review committee for LGBTQ+ Educator of the Year, 2021
- Co-chair of Society for the Advancement in Biology Education Research (SABER) Inclusion committee, 2018-2021
- Member of Society for the Advancement in Biology Education Research (SABER) Inclusion committee, 2018-2021
- Member of Society for the Advancement in Biology Education Research (SABER) abstract committee, 2018-2020
- Online with Life Sciences Education (LSE) moderator, 2021
- Co-lead for SABER Action Group, 2020
- Member of Executive Committee for the Society for the Advancement in Biology Education Research (SABER), 2018-2019
- Member of Society for the Advancement in Biology Education Research (SABER) Bill Wood Graduate Award committee, 2018-2019
- Member of Steering Committee for the Society for the Advancement in Biology Education Research (SABER), 2017-2018
- Ad hoc reviewer for CBE-Life Sciences Education, Science Advances, BioScience, Evolution Education and Outreach, Journal of Engineering Education, Physics Review, Journal of Geosciences Education, Science and Education, Learning and Instruction, Journal of Accounting Education, F1000 Research, FEMS Microbiology Letters, International Journal of STEM Education, eLife, Frontiers Education – STEM Education, and PloS One, 2013-present
- Conference Abstract reviewer for Society for Biology Education Research (SABER) national meeting and AAAS national meeting, 2014-present
- Organizer for professional development sessions at national SABER meeting and Gordon meeting on "Is there the need for interdisciplinary graduate training programs in biology education," 2015
- Invited to participate in the Partnership for Undergraduate Life Sciences Education (PULSE) community as a Northwest PULSE Workshop facilitator and Southwest PULSE Circle member, 2014-2016
- Panel organizer for national SABER meeting for "Getting your first job as a Science Faculty with Education Specialty" and "Getting tenure as a Discipline-based education researcher", 2014

Public and community outreach:

- **Arizona State University Teaching Innovation Blog posts from members of the lab**
  1. Who are you teaching to? http://asutechwebs.blogspot.com/2014/11/who-are-you-teaching-to.html
  2. Understanding CUREs: Course-based Undergraduate Research Experiences http://asutechwebs.blogspot.com/2015/04/understanding-cures-course-based.html
  3. Transforming undergraduate biology education: What resources are available to faculty and departments? http://asutechwebs.blogspot.com/2015/04/transforming-undergraduate-biology.html
  4. The Hidden Economic Costs of Active Learning http://asutechwebs.blogspot.com/2015/09/the-hidden-economic-costs-of-active.html
  5. The Impact of Active Learning on Different Genders http://asutechwebs.blogspot.com/2015/12/the-impact-of-active-learning-on.html

6. Beyond "Teaching the Facts": How to Teach Evolution to Religious Students Who Don't "Believe" http://asutechwebs.blogspot.com/2016/05/beyond-teaching-facts-how-to-teach.html
7. How Instructors Can Make Their Active Learning Classrooms More Inclusive to Members of the LGBTQIA Community http://asutechwebs.blogspot.com/2016/09/how-instructors-can-make-their-active.html
8. What's the Point of Using Student Names in Large Courses? http://asutechwebs.blogspot.com/2017/02/whats-point-of-using-student-names-in.html
9. Should science instructors try to be funny? Yes, depending on what they joke about! http://asutechwebs.blogspot.com/2018/08/should-science-instructors-try-to-be.html
10. Considering Clickers & Anxiety: Implementing Clicker Technology So that it Decreases Student Anxiety in the Classroom http://asutechwebs.blogspot.com/2018/08/considering-clickers-anxiety.html
11. Building STEM Bridges: Reflecting on five years of ASU's BioBridge Program http://asutechwebs.blogspot.com/2018/10/building-stem-bridges-reflecting-on.html
12. Online biology program admits premed students, but are they prepared for medical school? http://asutechwebs.blogspot.com/2019/09/online-biology-program-admits-premed.html
13. Not All Undergraduate Research Experiences Are Good http://asutechwebs.blogspot.com/2019/11/not-all-undergraduate-research.html
14. Evolutionary Medicine: Teaching Resources for Science Courses http://asutechwebs.blogspot.com/2020/05/evolutionary-medicine-teaching.html
15. The Importance of Using Cultural Competence When Teaching Evolution http://asutechwebs.blogspot.com/2020/04/the-importance-of-using-cultural.html
16. Instructors, Be Careful About Joking Around: Science Students Find Topics About Own Identity Offensive http://asutechwebs.blogspot.com/2020/05/instructors-be-careful-about-joking.html
17. How to Make Undergraduate Research Experiences More Inclusive for Students with Depression http://asutechwebs.blogspot.com/2020/06/how-to-make-undergraduate-research.html
18. Tips to Make Your Classroom More Inclusive for LGBQT+ Students http://asutechwebs.blogspot.com/2020/07/tips-to-make-your-classroom-more.html
19. Can Someone Believe in God and Accept Evolution? Atheistic Perceptions of Evolution Decrease Acceptance of Evolution http://asutechwebs.blogspot.com/2020/07/can-someone-believe-in-god-and-accept.html
20. Helping to Support Science Undergraduates with Disabilities in an Active Learning Setting http://asutechwebs.blogspot.com/2020/10/helping-to-support-science.html
21. How Can We Create More Inclusive Undergraduate Research Experiences for People Excluded Because of Their Ethnicity or Race (PEERs)? http://asutechwebs.blogspot.com/2020/11/how-can-we-create-more-inclusive.html
22. What have we learned from student perceptions of voluntary participation: are we being equitable? http://asutechwebs.blogspot.com/2021/02/what-have-we-learned-from-student.html
23. Is an online biology degree program more accessible and inclusive? http://asutechwebs.blogspot.com/2020/12/is-online-biology-degree-program-more.html
24. Religious cultural competence in evolution education could address the underrepresentation of people of color in evolutionary biology http://asutechwebs.blogspot.com/2020/11/religious-cultural-competence-in.html
25. Students' Knowledge of Finding and Securing Research Positions: How Can We Make Undergraduate Research Experiences Accessible? http://asutechwebs.blogspot.com/2021/03/students-knowledge-of-finding-and.html
26. How Christians May Feel Stigmatized in the Biology Community http://asutechwebs.blogspot.com/2021/03/how-christians-may-feel-stigmatized-in.html

27. Decisions, decisions, decisions… how active learning is implemented matters! http://asutechwebs.blogspot.com/2021/06/decision-decisions-decisions-how-active.html
28. Experiences of STEM students with Disabilities During the Transition to Emergency Remote Instruction http://asutechwebs.blogspot.com/2021/08/experiences-of-stem-students-with.html
29. How Does Institution Type Impact Students' Experiences in Undergraduate Research? http://asutechwebs.blogspot.com/2022/02/how-does-institution-type-impact.html
30. How Can We Make Undergraduate Research More Inclusive For Students With Disabilities? http://asutechwebs.blogspot.com/2022/06/how-can-we-make-undergraduate-research.html
31. How Can We Make Online Undergraduate Science Courses More Inclusive for Students with Depression? http://asutechwebs.blogspot.com/2022/08/how-can-we-make-online-undergraduate.html
32. How Can We Maximize Student Comfort When Teaching Controversial Topics in Bioethics? http://asutechwebs.blogspot.com/2022/09/how-can-we-maximize-student-comfort.html
33. Should premed students discuss their mental health conditions on their medical school applications? http://asutechwebs.blogspot.com/2022/10/should-premedical-students-discuss.html
34. How can research mentors support their Muslim undergraduate mentees? https://asutechwebs.blogspot.com/2024/12/how-can-research-mentors-support-their.html
35. The benefits of using a "get to know you" survey in large classes https://asutechwebs.blogspot.com/2024/11/the-benefits-of-using-get-to-know-you.html

Professional Development:

- **Membership in Professional Societies**
  Society for the Advancement of Biology Education Research (SABER)
  National Science Teacher's Association (NSTA)
  American Society for Cell Biology (ASCB)
  American Association for the Advancement in Science (AAAS)
  Association for Women in Science
- **Attended Teaching-related Classes/Workshops/Learning Communities**
  Science Course Design, Speaking about Science, Professional and Leadership Development, Intro to Teaching, Directed Reading on Undergraduate Biology Labs, The Science Curriculum, Assessment and Accountability in Higher Education, Research in Science Education: Assessment and Evaluation, Mentors in Teaching (MinT) training, Community College Biology Faculty Enhancement through Scientific Teaching (CCB FEST), University of Washington Biology Education Research Group (BERG), ASU Science Education Research Group, Culturally Aware Mentoring
- **Leadership training**
  Arizona State University AI Academy, 2025-2026
  Building leadership capacity to achieve inclusion goals, AAAS Sea Change, 2023
  Invited participant for Arizona State University Leadership Academy, 2018