

CURRICULUM VITAE

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(a) Education

University of Sydney	Sydney, Australia	Evolutionary Biology	PhD, 2014
University of Minnesota	Twin Cities, MN	Wildlife Biology/Biological Sciences	BS, 2008

(b) Research & Professional Appointments

2018 – present Assistant Professor, Biology Education Research, Auburn University
2016 – 2018 Postdoctoral Associate, Biology Education Research, University of Minnesota
2014 – 2016 Postdoctoral Associate, Biology Education Research, Cornell University

(c) Honors & Grants

2021 – NSF Fostering ideological awareness in the context of postsecondary biology through open-source course modules (IUSE), PI (\$ 299,950)

2021 – iEMBER SPARC (Supported Preliminary Award for Research Collaboration) award (\$ 3,200)

2020 – NSF Collaborative Research: Diversifying and Humanizing Scientist Role Models to Increase the Impact of Data Literacy Instruction on Student Interest and Retention in STEM (IUSE), PI (\$ 1,001,102)

2019 – NSF Equity and Diversity in STEM Research Collaboration Grant in Undergraduate Biology Education (RCN-UBE), co-PI (\$ 499,090)

2019 – Iris Moreno Totten Education Research Award, Geological Society of America-Geoscience Education Division Award (\$ 1,000)

2018 – University of Bergen Marie Sklodowska Curie Individual Fellowship Master Class Program (declined)

2017 – NSF Equity and Diversity in STEM Research Collaborative Network – Incubator Grant in Undergraduate Biology Education (RCN-UBE), co-PI, (\$ 49,104)

2015 – University Scholarship of Teaching and Learning Practitioners Fellowship, Cornell University (\$ 1,000)

2015 – Foundation course online innovation module grant, Cornell University (\$ 7,500)

2011 – University of Sydney Post Graduate Research Support Scheme (\$ 2,500)

2010-2014 – University of Sydney Biological Sciences Faculty Postgraduate Scholarship (\$ 168,000)

2009 – Outstanding Performance Award for Teaching Assistants in the College of Biological Sciences, University of Minnesota

2004-2008 – College of Natural Resources High Ability Non-Resident Scholarship, University of Minnesota (\$ 34,000)

(d) Publications

49 peer-reviewed journal publications or textbook chapters, including education research articles in *PLoS Biology* (2017), *Bioscience* (2017, 2018, 2019), *CBE-Life Sciences Education* (2017, 2020, 2021), *Proceedings B* (2020), and *Psychological Science in the Public Interest* (2021). Currently 4 manuscripts in review. [Google Scholar](#).

(e) Invited seminar presentations 2016-2021 (*virtual)

2021. *Invited plenary presentation. Barriers to participation in biology: where they are and what you can do about them. *University of Sydney*, Biosciences Education Australia Network Forum.

2020 – *Department of Biology, *Middlebury College*, Middlebury, Vermont.

2020 – *Department of Biology, *University of South Alabama*, Mobile, Alabama.

2020 – *Invited plenary presentation. Addressing Intersectionality in Biology Education Research. *Equity and Diversity in Undergraduate STEM annual meeting*.

2020 – Invited to participate on panel. Diversity Promising Practices Conference. *Auburn University*.

2020 – Keynote presentation. Active learning symposium, Teaching and Learning Center. *Florida Gulf Coast University*, Fort Myers, FL.

2019 – Teaching and Learning Laboratory Series, *Massachusetts Institute of Technology*, Cambridge, MA

2019 – Discipline-Based Education Research Group, *Cornell University*, Ithaca, NY

2019 Department of Biological Sciences, *Louisiana State University*, Baton Rouge, LA

2019 – ROSE seminar series, *University of Alabama-Birmingham*, Birmingham, AL

2019 – Plenary Speaker: *Annual meeting of the Northeastern region HHMI awardee institutions*, Dover, DE

2019 – Department of Biological Sciences, *University of Alabama*, Tuscaloosa, AL

2018 – HHMI Series, Course-based Undergraduate Research Experiences, *Brown University*, Providence, RI

2018 – Scientific Teaching Webinar, *Yale Summer Institutes on Scientific Teaching*

2018 – Department of Science Education, *University of Copenhagen*, Denmark

2018 – Department of Biological Sciences, *University of New Hampshire*, Durham, NH

2017 – Graduate school of Education, *Stanford University*, Stanford, CA

2017 – Yale Center for Teaching and Learning Yale Postdoctoral Association, *Yale University*, New Haven, CT

2017 – Biology Education Group, *Syracuse University*, Syracuse, NY

2017 – Public lecture, *University of Bergen*, Norway

2017 – Department of Physics, Chemistry and Biology (IFM), *University of Linköping*, Sweden

2016 – BioCEED Center for Teaching Excellence seminar, *University of Bergen*, Norway

2016 – The Practice of Inclusive Teaching in STEM Workshop, *Cornell University*, Ithaca, NY

2016 – Careers in Molecular Biosciences. *Cornell University*, Ithaca, NY

(f) Lab conference presentations 2016-2021 (*virtual)

2021 – *Discipline-based Education Research Conference, University of Nebraska, Lincoln, NE.

2021 – *American Educational Research Association Annual Meeting.

2020 – *Society for the Advancement of Biology Education Research, Minneapolis, MN

2020 – Diversity Promising Practices Conference, Auburn, AL (invited seminar)

2019 – International Society for the Scholarship of Teaching and Learning (ISSOTL), Atlanta, GA

2019 – Auburn Research Faculty Symposium, Auburn, AL

2019 – Conference for the Society for the Advancement of Biology Education Research, Minneapolis, MN

2018 – Conference for the Society for the Advancement of Biology Education Research, Minneapolis, MN, USA

2017 – Undergraduate Biology Education Research, Gordon Research Conference, Easton, MA, USA

2017 – National Association for Research in Science Teaching (NARST), San Antonio, Texas, USA

2017 – MNT-Konferansen, Oslo, Norway

2016 – Evolution conference, Austin, TX, USA

(g) Teaching experience

2020	Intro. to Discipline-Based Education Research	Auburn University
2019-2020	Organismal Biology	Auburn University
2018	Norwegian Centennial Chair Summer Institutes for Scientific Teaching	University of Oslo
2017	Systemic bias in STEM – Nature of Life Field Course	University of Minnesota
2016	Organismal Biology II Field Course	University of Bergen
2014-2016	Evolutionary Biology and Biodiversity	Cornell University
2015	Evolutionary Biology and Marine Biodiversity Field Course	Cornell University

(h) Mentorship

Postdoctoral mentorship

Abby Beatty	NSF Postdoctoral Associate	2021-
Sharday Ewell	NSF Postdoctoral Associate	2021-
Chloe Josefson	NSF Postdoctoral Fellow	2019-
Ash Zemenick	NSF Postdoctoral Associate	2020-2021
Sara Berk	Postdoctoral Associate	2019-2020

Graduate student mentorship

Todd Lamb	MS student, Auburn University	2019-
Emily Driessen	PhD student, Auburn University	2019-
Sara Odom	MS student, Auburn University	2018-2020

Undergraduate mentorship

Keyaira Singleton	Auburn University	2020-
Abby Esco	Auburn University	2020-
Taylor Gusler	Auburn University	2020-
Sara Beth Ramsay	Auburn University	2020-
Brandon Dye	Auburn University	2019-
Rachel Youngblood	Auburn University	2019-
Taylor McKibben	Auburn University	2019-2020
Halle Bosso	Auburn University	2019-2020
Luoying Chen	Auburn University	2018-2020
Alexis Stokes	Auburn University	2018-2020
Brittany Woodruff	Auburn University	2018-2020
Sara Wood	Auburn University	2018-2020
Sydney Bell	Auburn University	2018-2019
Egypt Pettway	Auburn University	2018-2019
Sergio Molina	University of Minnesota	2017-2019
Azariah Yonas	University of Minnesota	2017-2018
Jake Peterson	University of Minnesota	2017-2018
Connor Neill	University of Minnesota	2017-2018
Zoe Koth	University of Minnesota	2017-2018
Grace Leland	University of Minnesota	2017-2018
Brandon Vanderbush	University of Minnesota	2017-2018
Neelam Chandiramani	University of Minnesota	2017-2018
Christine Lian	University of Minnesota	2017-2018
Mai Vang	University of Minnesota	2017-2018
Morgan Burkhart	University of Minnesota	2016-2018
Olivia Treudeu	University of Minnesota	2016-2018
Dahsol Lee	University of Minnesota	2016-2018

(i) Professional Society Memberships

International Society for the Scholarship of Teaching and Learning; Society for the Advancement of Biology Education Research; National Association for Research in Science Teaching National Association of Biology Teachers

(j) Professional Service 2016-2021

Journal Refereeing. Physical Review Physics Education Research, CBE-Life Sciences Education, International Journal for the Scholarship of Teaching and Learning, Biology Letters, CourseSource, PLoS Biology, PLoS ONE, Studies in Higher Education

Panel Service. NSF Advancing Informal STEM Learning (AISL), NSF Building Capacity for STEM Education Research (BCSER), NSF Directorate on Education and Human Resources Faculty Early Career Development (CAREER)

(k) Press

Research has been covered in [Science Daily](#), [Inside Higher Ed](#), [BBC News](#), [Newsweek](#), [IFLScience](#), [The Times Higher Education](#), as well as in University news such as [Auburn's COSAM Daily](#), the [Cornell Chronicle](#), and [University of Minnesota's CBS Blogs](#).