

ASHLEY R. VAUGHN

CURRICULUM VITAE

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ORCID <https://orcid.org/0000-0001-7598-8410>

EDUCATION

Ph.D. Educational Studies, University of Cincinnati, 2018
Primary Concentration: Developmental and Learning Sciences
Secondary Concentration: Quantitative and Mixed Methods Research Methodologies
Dissertation Title: *The effectiveness of a refutational text with appeals to expertise in establishing credibility for conceptual change*
Dissertation Committee: Marcus L. Johnson (chair), Sally Moomaw, and Mark Sulzer
Graduate Certificates: Assessment and Evaluation; Developmental and Learning Sciences
Graduate Certificate: Business Informatics, In Progress. Northern Kentucky University.
M.S. Biology, University of Saint Joseph, 2013. Graduate Certificate: Emerging Diseases
M.A. Education, Mount Saint Joseph University, 2009
B.S. Natural Science, Mount Saint Joseph University, 2004

ACADEMIC APPOINTMENT

Assistant Research Scientist, Miami University, College of Education, Health, and Society. August 2022-Present
Associate Director/Assistant Professor of Practice, Northern Kentucky University, Center for Integrative Natural Science and Mathematics (CINSAM). July 2019-August 2022
Visiting Assistant Professor, Miami University Regionals, Department of Social and Behavioral Sciences. August 2018-2019

AREAS OF RESEARCH INTEREST

Conceptual Change Motivation Self-Efficacy STEM Education
Women and Marginalized Persons in Higher Education

PROFESSIONAL MEMBERSHIP

American Evaluation Association
American Psychological Association (APA)
 Divisions 15 & 35
American Educational Research Association (AERA)
 Divisions C, D, & J
 Motivation SIG & Science Teaching & Learning SIG
National Consortium for Instruction and Cognition (NCIC)
Cognitive Development Society (CDS)
European Association for Research on Learning and Instruction (EARLI)
 Conceptual Change SIG & Motivation & Emotion SIG
National Science Teacher Association (NSTA)
Society of College Science Teachers (SCST)
Mid-Atlantic Association of Science Teacher Educators
Mid-Western Educational Research Association
MidWestern Psychological Association
Beta Beta Beta Biological Honor Society

AWARDS AND HONORS

2022 2022 Learning Analytics in STEM Education Research (LASER) Institute Scholar
2019 Miami University Center for Teaching Excellence Faculty Commendation

- 2019 Miami University Regionals Student/Faculty Research Award
 2018 APA Division 15 Graduate Student Poster Award
 2018 Graduate Student Seminar Participant, *American Educational Research Association, Division C Learning and Instruction*
 2018 Graduate Student Government Association Excellence Award for Exemplary Scholarship in Social and Behavioral Sciences, *University of Cincinnati*
 2018 Graduate Student Government Association Excellence Award for Exemplary Service in Social and Behavioral Sciences, *University of Cincinnati*
 2015-18 Graduate Assistant Award, *University of Cincinnati*
 2014-15 Graduate Incentive Award, *University of Cincinnati*
 2008 ETS Recognition of Excellence (ROE) Award
 2001 Schmidlapp Scholarship, *University of Mount Saint Joseph*
 2001 Seton Scholarship, *University of Mount Saint Joseph*
 2001 Presidential Scholarship, *University of Mount Saint Joseph*

FUNDED GRANTS

- 2022 Co-PI, December 2022- 2027, Northern Kentucky University, RII-BEC: Co-Mentoring, Community Building, Career Development, and Content Area Research Experiences to Enhance Systemic Change in STEM, \$994,853, National Science Foundation EPSCoR RII-BEC with Madhura Kulkarni (PI), Charlisa Daniels (co-PI), Nicole Dillard (co-PI), and Kobena Osam (co-PI).
 2022 Martha Holden Jennings Foundation; STEM2U: After School; with Madhura Kulkarni (PI), Leslie Silbernagel (Co-PI), and Amber Carter (Co-PI)
 2020 Northern Kentucky University Innovation Challenge: Building Belongingness through Peer Mentors in STEM <https://www.nku.edu/successbydesign/innovation-challenge.html>
 2019 Miami University Regionals Center for Teaching and Learning Faculty and Undergraduate Research Collaboration (Hardwick, \$250; McCormick, \$250; Vaughn Lab, \$500)
 2017 Women of Excellence Giving Circle, Xavier University with Carla Gerberry (co-PI), Mary Stroud (co-PI), & Gary Lewandowski (co-PI). *The Xavier Xploratory*. (\$18,410)
 2017 Graduate Student and Faculty Research Mentoring Grant, University of Cincinnati College of Education, Criminal Justice, and Human Services (CECH) with Marcus L. Johnson (faculty sponsor). *Effectiveness of a refutational text on teachers' understanding of influenza*. (\$750.00)
 2015 Women of Excellence Giving Circle, Xavier University with Carla Gerberry (co-PI) & Gary Lewandowski (co-PI). *Noyce Super Saturdays*. (\$6,570)

PEER-REVIEWED PUBLICATIONS: PUBLISHED

- Vaughn, A. R.**, Brown, R., & Johnson, M. (2020). Understanding Conceptual Change and Science Learning through Educational Neuroscience. *Mind, Brain, and Education*. 14(2), 82-93, <https://doi.org/10.1111/mbe.12237>
 *Top cited article 2019-2020
 Johnson, M., Chekour, A., **Vaughn, A.R.**, & Taasoobshirazi, G. (2019). Softening the landing: Approaches to facilitating conceptual change for science museum educators. *Journal of Museum Education*. 44(3), 325-331, DOI: [10.1080/10598650.2019.1621647](https://doi.org/10.1080/10598650.2019.1621647)
Vaughn, A. R., Taasoobshirazi, G., & Johnson, M. L. (2019). Impostor phenomenon and motivation: women in higher education. *Studies in Higher Education*, 1–16. <https://doi.org/10.1080/03075079.2019.1568976>
Vaughn, A. R., & Johnson, M. (2018). Communicating and enhancing teachers' attitudes and understanding of influenza using refutational text. *Vaccine*, 36(48), 7306-7315. <https://doi.org/10.1016/j.vaccine.2018.10.040>

Vaughn, A. R., & Robbins, J. R. (2017). Preparing pre-service K-8 teachers for the public school: Improving evolution attitudes, misconceptions, and legal confusion. *Journal of College Science Teaching*, 47(2), 7–15. DOI: [10.2505/4/jcst17_047_02_7](https://doi.org/10.2505/4/jcst17_047_02_7)

PUBLICATIONS UNDER REVIEW AND IN PREPARATION

Vaughn, A.R., Henderson, C., Bowling, B.V., Kulkarni, M., & Hokkanen, E. (in preparation). Effects of an early undergraduate research experience program on STEM student persistence and belonging: A mixed methods study.

Taasoobshirazi, G., Hord, A., **Vaughn, A. R.**, Johnson, M. & Treadway, H. (in preparation). Using motivational theories to study imposter phenomenon among academics.

Bills, P., Kulkarni, M., Farmer, A., Nolan, J., & **Vaughn, A.R.** (under revision). Elementary science teachers' learning from classroom demonstration lessons in a practice-focused professional development program

BOOKS CHAPTERS

Johnson, M., Herrick, I., **Vaughn, A.R.**, Jones, S., Schoepf, S., & Taasoobshirazi, G. (2022). Teaching for conceptual learning. In J.S. Vogler & M.M. Buehl (Eds.), *Teaching Learning for Effective Instruction*. Charlotte, NC. Information Age Publishing.

Johnson, M., **Vaughn, A. R.**, & Taasoobshirazi, G. (2021). Common misconceptions and challenges of motivation principles. In D.K. Meyer & A. Emery (Eds.), *Teaching Motivation for Student Engagement*. Charlotte, NC. Information Age Publishing.

PEER-REVIEWED CONFERENCE PRESENTATIONS

Hokkanen, E., Irvin, M., & **Vaughn, A.R.** (October, 2022). *Peer Mentors: From sidekick to superhero*. Paper submitted to the 2022 NACADA Conference, Portland, OR.

Vaughn, A.R., Henderson, C., Bowling, B.V., Kulkarni, M., & Hokkanen, E. (April, 2022). *Early undergraduate research experience for persistence and belonging*. Paper presented to the 2022 annual meeting of the American Educational Research Association (AERA), San Diego, CA.

Hokkanen, E. & **Vaughn, A.R.** (October, 2021). *Supporting first-year STEM students' belonging with STEM Peer Mentors*. Proposal presented at the 2021 NACADA Conference, Cincinnati, OH.

Vaughn, A.R., Herrick, I. R., & Matewos, A. (August, 2021) *Application of certainty of response index in climate change misconception measurement*. Poster presented at the American Psychological Association Convention, Virtual.

Vaughn, A.R. & Hokkanen, E. (August, 2021). *Building belonging and engagement in first-year STEM students*. Poster presented at the American Psychological Association Convention, Virtual.

Vaughn, A.R. & Hokkanen, E. (June, 2021). *STEM Peer Mentors*. Poster presented at the 2021 Accelerating Systemic Change Network/Network of STEM Education Centers Transforming Institutions Conference.

Kulkarni, M.V., & **Vaughn, A.R.** (June, 2021). *The boundary-spanning, disrupting, and stabilizing roles of a STEM Center and its members in facilitating change*. Poster presented at the 2021 Accelerating Systemic Change Network/Network of STEM Education Centers Transforming Institutions Conference.

- Vaughn, A.R.**, Kinney, D., Kinney, W., Hale, K., Rastogi, M., Potts, S., & Quenette, A. (April, 2021). *Student motivation, self-efficacy, and course-dropping behavior during COVID-19: A Mixed Methods Study*. Poster presented at the 2021 annual meeting of the American Educational Research Association (AERA), Virtual.
- Vaughn, A.R.**, Kinney, D., Kinney, W., Hale, K., Rastogi, M., Quenette, A., & Potts, S. (April, 2021). *Higher education students' perceptions of institution, instructor, and advisor response to COVID-19*. Paper presented at the 2021 annual meeting of the American Educational Research Association (AERA), Virtual.
- Kinney, D., Kinney, W., & **Vaughn, A.R.** (2020, December). *Teaching in times of crisis: College students' perceptions during COVID-19 a brief presentation of preliminary findings from the covid-19 college student impact survey*. Round-table presented at the 2020 International Lilly Conference on Evidence-Based Teaching & Learning: Enhancing Online, Onsite, and Hybrid Teaching and Learning, Virtual.
- Vaughn, A.R.** & Reilly, S. (August, 2020). *Impact of undergraduate research conferences on student belongingness and scientific identity*. Poster presented at the American Psychological Association Convention, Virtual.
- Vaughn, A.R.** Johnson, M.L., & Taasobshirazi, G. (August, 2020). *Academic perceptions and experiences of motivation and imposter syndrome*. Poster presented at the American Psychological Association Convention, Virtual.
- Kulkarni, M.V., & **Vaughn, A.R.** (June, 2020). *Center for Integrative Natural Science and Mathematics (CINSAM): A University STEM Center's role in advancing enthusiasm, equity & excellence in P-16 STEM*. Presentation at the Network of STEM Education Centers Annual Conference, (Online, previously St. Louis, MO).
- Vaughn, A.R.** (April, 2020). *Climate change knowledge, epistemic beliefs, and science self-efficacy in a nonmajors integrated science course*. Paper accepted to the 2020 annual meeting of the National Consortium for Instruction and Cognition. San Francisco, CA.
- Vaughn, A.R.**, Bills, P., & Kulkarni, M. (April, 2020). *The relationship between grade level and science teaching practices*. Paper accepted to the 2020 annual meeting of the National Consortium for Instruction and Cognition. San Francisco, CA.
- Vaughn, A.R.**, Johnson, M.L., & Taasobshirazi, G. (April, 2020). *The imposter in us all: Race, gender, and motivation in academics*. Paper accepted to the 2020 annual meeting of the American Educational Research Association (AERA), San Francisco, CA. (Conference cancelled)
- Vaughn, A.R.**, Johnson, M.L., & Taasobshirazi, G. (April, 2020). *Is my blue collar showing? The relationship between class, motivation, and imposterism in working-class academics*. Paper accepted to the 2020 annual meeting of the American Educational Research Association (AERA), San Francisco, CA. (Conference cancelled)
- Vaughn, A.R.**, Shannon-Baker, Peggy, & Matewos, A. (October, 2019). *Mixed Methods Research for Educational Psychology*. Methods workshop presented at the 2019 Scholarly Consortium for Innovative Psychology in Education. Savannah, GA.

- Johnson, M.J., **Vaughn, A.R.**, Chekour, A., & Taasoobshirazi, G. (October, 2019). *Identifying “best practice,” responses, and approaches for teachable moments: A discussion on conceptual change interventions.* Session presented at the 2019 Scholarly Consortium for Innovative Psychology in Education. Savannah, GA.
- Harper, R., **Vaughn, A.R.**, & Yang-Vanover, Y. (September, 2019). *Myth Busters: Disrupting common misconceptions in education with evidence-based ACTions.* Session presented at the Cincinnati Children’s Hospital and Medical Center Faculty Development and Health Care Educators Conference. Cincinnati, OH.
- Vaughn, A.R.**, Kulkarni, M., & Hokkanen, E. (September, 2019). *Integration of K-16 STEM education through a University STEM Center.* Presented at the 2019 Mid-Atlantic Association for Science Teacher Education Annual Meeting. Pipestem, WV.
- *McCormick, J. & **Vaughn, A.R.** (April, 2019). *Individual and community perceptions of senior centers.* Poster presented at the Psi Chi Program at the Midwestern Psychological Association Annual Conference, Chicago, IL.
- *Hardwick, Z. & **Vaughn, A.R.** (April, 2019). *Regional and main campus perception of a large, public university.* Poster presented at the Psi Chi Program at the Midwestern Psychological Association Annual Conference, Chicago, IL.
- Vaughn, A.R.** (April, 2019). *Establishing and assessing credibility in a citation refutation text.* Paper presented at the Midwestern Psychological Association Annual Conference, Chicago, IL.
- Vaughn, A.R.**, *Schroeder, M., *Cornett, M., *Edwards, T., *Dubuya, R., *Smith, M., *Maples, E., & *Merland, J. (April, 2019). *Undergraduate student learning and motivation in social science research.* Paper presented at the annual meeting of the National Consortium for Instruction and Cognition. Toronto, Ontario.
- Vaughn, A.R.** (April, 2019). *Moving beyond efficacy: Applying mixed methods design for conceptual change research.* Paper presented at the 2019 annual meeting of the American Educational Research Association (AERA), Toronto, Ontario.
- Vaughn, A.R.** & Johnson, M. (October, 2018). *The effectiveness of a refutation text with citations: conceptual change and credibility.* Paper presented at the Mid-western Educational Research Association Annual Meeting, Cincinnati, OH.
- Vaughn, A.R.**, Taasoobshirzai, G., & Johnson, M. (October, 2018). *Relationship between motivation and impostor syndrome in female graduate students.* Paper presented at the Mid-western Educational Research Association Annual Meeting, Cincinnati, OH.
- Vaughn, A.R.**, Johnson, M., & Brown, R. (October, 2018). *Brain imaging, science cognition, and conceptual change.* Poster presented at the Mid-western Educational Research Association Annual Meeting, Cincinnati, OH.
- Vaughn, A. R.**, & Johnson, M. (August, 2018). *Establishing credibility in refutational texts for conceptual change.* Poster accepted to the American Psychological Association Convention, San Francisco, CA.
- **Awarded 2018 APA Division 15 Graduate Student Poster Award**

- Vaughn, A. R.**, Taasobshirazi, G., & Johnson, M. (August, 2018). *Imposter phenomenon, motivation, and women in academia*. Poster presented at the American Psychological Association Convention, San Francisco, CA.
- Vaughn, A.R.** (April, 2018). *Establishing credibility in refutational texts: A mixed methods study*. Poster presented at the 2018 annual meeting of the American Educational Research Association (AERA), New York City, NY.
- Vaughn, A.R.**, & Johnson, M. (April, 2018). *Citations as a source of credibility in refutation texts*. Paper presented at the annual meeting of the National Consortium for Instruction and Cognition. New York City, NY.
- Vaughn, A. R.**, Brown, R., & Johnson, M. (October, 2017). *Brain imaging, science cognition, and conceptual change: A literature review*. Poster presented at the Cognitive Development Society Biennial Conference, Portland, OR.
- Vaughn, A. R.**, & Johnson, M. (April, 2017). *Effectiveness of a refutational text on teachers' understanding of influenza*. Poster presented at 2017 annual meeting of the American Educational Research Association (AERA), San Antonio, TX.
- Vaughn, A. R.** & Robbins, J. (October, 2015). *Pre-service K-8 teacher attitudes and knowledge of evolutionary theory*. Paper presented at the Mid-Atlantic Association for Science Teacher Education Annual Meeting.
- Hedges, S., **Vaughn, A. R.**, Johnson, M., & Meyer, H. (2016, May). *Design-based information technologies experiences (DITLE) for urban youth*. Presented at the UC STEM Conference 2016, Cincinnati, OH.
- Gerberry, C. & **Vaughn, A. R.** (October, 2014). *Supporting Noyce fellows and their cooperating teachers*. Paper presentation at the Midwest Noyce Conference, Omaha, NE.
- Gerberry, C., **Vaughn, A. R.**, *Donovan, L., *O'Toole, M., & *Moninghoff, A. (October, 2014). *Noyce in the community: An overview of Xavier University's summer internship*. Poster session at the Midwest Noyce Conference, Omaha, NE.

*STUDENT

OTHER CONFERENCE PRESENTATIONS

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- *Schroeder, M., *Cornett, M., *Edwards, T., *Dubuya, R., *Smith, M., *Maples, E., *Merland, J., & **Vaughn, A.R.** (April, 2019). *Undergraduate Student Motivation for Social Science Research Methods*. Poster presented to the Miami University 2019 Undergraduate Research Forum, Oxford, OH.
- Vaughn, A. R.**, & Johnson, M. (April, 2017). *Effectiveness of a refutational text on teachers' understanding of influenza*. Poster presented at the Spring Research Conference, Cincinnati, OH.
- Vaughn, A. R.** (April, 2017). *Brain imaging, science cognition, and conceptual change: a literature review*. Paper presented at the Spring Research Conference, Cincinnati, OH.
- Vaughn, A. R.**, Hedges, S., Meyer, H., & Johnson, M. (March, 2016). *Urban summer experiences for preservice STEM teachers*. Paper presented at the Spring Research Conference, Louisville, KY.
- Vaughn, A. R.**, Hedges, S., Meyer, H., & Johnson, M. (February, 2016). *School's out for summer? Providing urban summer experiences for preservice STEM teachers*. Poster session presented at the University of Cincinnati Expo and Poster Forum.

*STUDENT

INVITED TALKS

- Druery, J., Tichavakunda, A., Reyes, G., Phadke, M. & **Vaughn, A.R.** (2021). Diversity, Equity, and Inclusion in STEM (Chair). 2021 CINSAM and UC CEAS STEM Conference. Virtual.
- Vaughn, A.R.** (2019). Mixed Methods Research. Talk presented to Research Methods and Measurement course to graduate students, Texas State University
- Vaughn, A. R.** (2017). Academic publishing. Talk presented to doctoral students in the College of Education, Criminal Justice, and Human Services (CECH). University of Cincinnati.
- Vaughn, A. R.** (2015). Why it is important to teach evolution. Talk presented at Evolution Discussion and Workshop, University of Cincinnati.

OTHER PROFESSIONAL AND RESEARCH CONTRIBUTIONS/HIGHLIGHTS

- Kelliher, R. [**Vaughn, A.R.** (interviewee)] (2021, August). Study: Imposter feelings more pronounced in women and early-career academics in fields valuing ‘brilliance.’ *Diverse Issues in Higher Education*. <https://diverseeducation.com/article/222063/>
- Grover, Jack. [**Vaughn, A.R.** (interviewee)] (2019, April). Imposter syndrome: two-thirds of female scholars suffer badly. *Times Higher Education*.
<https://www.timeshighereducation.com/news/impostor-syndrome-two-thirds-female-scholars-suffer-badly>
- Vaughn, A.R.** (2019, April). The first rule of imposter syndrome is: you talk about imposter syndrome. *Times Higher Education*. <https://www.timeshighereducation.com/blog/first-rule-impostor-syndrome-you-talk-about-impostor-syndrome>

EXTERNAL EVALUATOR EXPERIENCE

Evaluator (2022), Collaborative Replications and Education Project, an Exploration and Design Tier for Engaged Student Learning, National Science Foundation, Improving Undergraduate STEM Education (IUSE), with Jordan Wagge (PI; Avila University) and Jon Grahe (Co-PI).

Evaluator (2020-2022), Partnering with Cincinnati’s Communities of Need to Address Inequity and Strengthen Access to Synchronous and Asynchronous Virtual Experiences (SAVE), \$450,000, IMLS Cares, with Cincinnati Museum Center and the Public Library of Cincinnati and Hamilton County.

Evaluator (2020), not funded, Collaborative Replications and Education Project, an Exploration and Design Tier for Engaged Student Learning, National Science Foundation, Improving Undergraduate STEM Education (IUSE), with Jordan Wagge (PI; Avila University) and Jon Grahe (Co-PI).

Evaluator (2018), not funded, Collaborative Replications and Education Project, an Exploration and Design Tier for Engaged Student Learning, National Science Foundation, Improving Undergraduate STEM Education (IUSE), with Jordan Wagge (PI; Avila University) and Jon Grahe (Co-PI).

RESEARCH GRANT EXPERIENCE

Co-PI, December 2022- 2027, Northern Kentucky University, RII-BEC: Co-Mentoring, Community Building, Career Development, and Content Area Research Experiences to Enhance Systemic Change in STEM, \$994,853, National Science Foundation EPSCoR RII-BEC with Madhura Kulkarni (PI), Charlisa Daniels (co-PI), Nicole Dillard (co-PI), and Kobena Osam (co-PI).

Co-PI, Northern Kentucky University, 2022, STEM2U: After School, \$10,548, Martha Holden Jennings Foundation with Madhura Kulkarni (PI), Leslie Silbernagel (Co-PI), and Amber Carter (Co-PI).

PI, not-funded, Northern Kentucky University, Disability DCL: Access STEM: Increasing Faculty Motivation for Accessibility in STEM Through Empathy, \$499,402, National Science Foundation ECR-EHR Core Research with Missy Jones (Co-PI), Cindy Knox (Co-PI), and Madhura Kulkarni (Co-PI).

Program Coordinator, Xavier University, January 2013-August 2018, “Xavier University Robert Noyce Teacher Scholarship Program,” \$1,195,559, National Science Foundation, Noyce Scholars Phase I Grant DUE-1239995, with Carla Gerberry (PI), Michael Flick (Co-PI), and Mary Stroud (Co-PI).

Graduate Assistant, University of Cincinnati, May 2015-May 2016, Design-Based Information Technologies Learning Experiences (DITLE), \$1,200,000, National Science Foundation, Innovative Technology Experiences for Students and Teachers (ITEST) – STEM, with Hazem Said (Co-PI), Chengcheng Li (Co-PI), Marcus Johnson (Co-PI), and Helen Meyer (Co-PI).

TEACHING

Course		Dates Taught	Institution
SCI 393	STEM Peer Mentors	8/2020-8/2022	Northern Kentucky University
EDP 651 ⁺	Educational Research	5/2019-7/2019	Miami University
ASO 377/477	Independent Research Study (10 Students Spring 19)	1/2019-5/2019	Miami University
ASO 401	Applied Social Research Methods	8/2018-5/2019	Miami University
ASO 301	Applied Social Research Methods	8/2018-5/2019	Miami University
ASO 201	Introduction to Applied Social Research	8/2018-5/2019	Miami University
PSY 231	Developmental Psychology	1/2019-5/2019	Miami University
EHS 667 [^]	Behavioral Statistics I	07/2018-08/2018	Miami University
EDST 8034 ⁺	Measurement & Assessment	05/2018-08/2021	University of Cincinnati ^a
EDST 1002	Educational Psychology	08/2017-12/2017	University of Cincinnati
EDST 2004 ⁺	Lifespan Human Development	01/2018-04/2018	University of Cincinnati
HPR 205 ⁺	Human Anatomy & Physiology	01/2015-08/2017	Ashford University
SCI 207 ⁺	Man & the Environment	01/2015-03/2015	Ashford University
BIO 130	Introduction to Life Science	08/2014-12/2014	Xavier University
BIO 141	Anatomy & Physiology	08/2013-12/2013	Xavier University
BIO 161	Anatomy & Physiology	08/2013-05/2014	Miami University
BIO 145	Anatomy & Physiology	08/2010-12/2013	Beckfield College
BIO 163/4	Anatomy & Physiology I & II	08/2010-12/2013	Beckfield College
BIO XXX	Cardiac Anatomy & Physiology	08/2010-12/2013	Beckfield College
BIO XXX	Anatomy & Physiology	08/2012-05/2014	Miami-Jacobs Career College

- +fully online ^graduate level course
 ^ dual appointment with Cincinnati Children's Hospital and Medical Center

SERVICE

National/International

- 2022- National Consortium for Instruction and Cognition (NCIC) Secretary
 2021- Volunteer Inservice Educator Tourette Association of America
 2021 Ad-Hoc Review Journal of Microbiology and Biology Education
 2021- Review Editor on the Editorial Board of Educational Psychology (specialty section of Frontiers in Psychology and Frontiers in Education)
 2021- AERA Motivation Special Interest Group (MotSIG) Early Career Committee
 2021- AERA MotSIG Early Career Multiple Career Pathways Sub-Committee
 2021 Ad-Hoc Reviewer, Mind, Brain, and Education
 2021 Ad-Hoc Reviewer, Contemporary Educational Psychology
 2021 NCIC Annual Newsletter Co-Editor
 2020 Ad-hoc reviewer, New Horizons in Adult Education and Human Resource Development
 2020 American Educational Research Association 2021 Annual Meeting
 2020 Ad-Hoc Reviewer, Frontiers in Education (STEM Education)
 2020 Ad-Hoc Reviewer, Journal of Cognitive Engagement
 2019 Ad-Hoc Reviewer, CBE--Life Science Education
 2019 American Educational Research Association 2020 Annual Meeting, Division C
 Section 1d: Science
 Section 2a: Cognitive and Motivational Processes
 2019 American Educational Research Association 2020 Annual Meeting, Division D
 Section 4: Multi-Method and Mixed Methods
 2019 American Educational Research Association 2020 Annual Meeting, Motivation SIG
 2019 Reviewer, American Psychological Association Division 15 Claire Ellen Weinstein Graduate Student Seminar
 2019 Ad-Hoc Reviewer, Studies in Higher Education
 2019 Midwestern Psychological Association Annual Meeting Session Chair
 2018 American Educational Research Association 2018 Annual Meeting, Division C
 2018 American Educational Research Association 2018 Annual Meeting, Motivation SIG
 2018 Proposal Review, European Association for Research on Learning and Instruction: International Conference on Conceptual Change (ICCC).
 2018 Proposal Review, European Association for Research on Learning and Instruction: International Conference on Motivation (ICM).
 2017 Proposal Review, American Educational Research Association 2018 Annual Meeting, Division C
 2016 Proposal Review, National Association of Research in Science Teaching 2017 International Conference
 2015 Proposal Review, National Association of Research in Science Teaching 2016 International Conference
 2015 Reviewer, *Contemporary Educational Psychology*, under supervision of Marcus Johnson

Regional

- 2020 Ad-Hoc Reviewer, Kentucky Academy of Science
 2018 Ad-Hoc Reviewer, Mid-Western Educational Researcher
 2018 Session Chair, Innovation in the STEM learning environment, Mid-western Educational Research Association Annual Meeting
 2018 Proposal Review, Mid-Western Educational Research Association Annual Meeting

2015 Proposal Reviewer, Mid-Atlantic Association of Science Teacher Educators (MA-ASTE) Regional Conference

Northern Kentucky University

2021 Center for Teaching and Learning Workshop – Mythbusting to Support Student Success
 2021 Co-Facilitator, Educator Learning Community “Black, Brown, & Bruised: How Racialized STEM Education Stifles Innovation
 2021 Search Committee Chair, STEM Outreach Director (NTTR Faculty Position)
 2020 Center for Teaching & Learning Workshop – Midsemester Course Evaluations
 2019 College of Arts and Sciences Student Success Fellowship Review Committee
 2019- Institute for Student Research and Creative Activity Advisory Board
 2019- College of Arts and Sciences Dean’s Advisory and Planning Committee

Miami University

2019 Search Committee, Clinical Psychology Visiting Assistant Professor 2019-2020
 2018 - 2019 Center for Teaching and Learning Small Group Instructional Diagnosis Facilitator
 2018 - 2019 Social and Behavioral Sciences Committee on Student Funding

University of Cincinnati

2018 Graduate Faculty Mentoring Award Review Committee
 2017-2018 President, University of Cincinnati, College of Education, Criminal Justice, and Human Services Graduate Student Association
 2017 Spring Research Conference Planning Committee
 2017-2018 Graduate Student Misconduct Hearing Panel
 2016-2017 Vice President, University of Cincinnati, CECH GSA (2016-17)
 2016-2017 Treasurer, University of Cincinnati, CECH GSA (2016-17)

Xavier University

2015 Search Committee, Xavier University Noyce Program Coordinator

BOOK/CHAPTER REVIEWS

2019 *Basic elements of survey research in education: Addressing the problems your advisor never told you about.* Information Age Publishing.
 2019 Chapter II: Imposter Syndrome and Writer Identity in *Why aren't you writing? Research, real talk, strategies, & shenanigans.* SAGE.
 2018 *Beyond evolution: Understanding and addressing interactions between science and religion in science education.* NSTA Press.

PROFESSIONAL EXPERIENCE

2019-Present *Associate Director and Assistant Professor of Practice, Center for Integrative Natural Science and Mathematics, Northern Kentucky University*
 2018-2022 *Visiting Scholar, University of Cincinnati and Cincinnati Children’s Hospital and Medical Center (dual appointment)*
 2018 *Adjunct Instructor, Miami University, Department of Educational Psychology*
 2018-2019 *Visiting Assistant Professor, Miami University Regionals, Department of Social and Behavioral Sciences*
 2018 *Adjunct Instructor, Miami University, Department of Educational Leadership*
 2017-2018 *Graduate Teaching Assistant, University of Cincinnati*

EDST1002 Educational Psychology – Instructor of Record
 EDST2004 Lifespan Human Development
 2017-2018 *Graduate Assistant*, University of Cincinnati
 Online Learning Support: School of Education (CECH)
 2013-2018 *Noyce Teacher Scholarship Program Coordinator*, Xavier University
 2016-2017 *Graduate Assistant*, University of Cincinnati
 Learning Assistance Center: Supplemental Instruction
 2015-2016 *Graduate Assistant*, University of Cincinnati
 DITLE/iTest Grant
 2014-2015 *Candidate Teacher Supervisor*, University of Cincinnati
 2013-2017 *Faculty*, Ashford University
 2013-2014 *Instructor*, Xavier University
 2013-2014 *Instructor*, Miami University
 2012-2014 *Instructor*, Miami-Jacobs Career College
 2010-2013 *Instructor*, Beckfield College
 2010 *Science Teacher*, Summit Academy Transitional High School, Dayton, OH.
 2008-10 *Science Teacher*, Life Skills Center of Hamilton County, Cincinnati, OH.
 2008 *Science Teacher*, Hamilton County Math and Science Academy, Cincinnati, OH.
 Licensure: Life Science AYA (Ohio)

EDUCATOR LEARNING COMMUNITIES AND PROFESSIONAL DEVELOPMENT

2022 *Strategic Leadership Pathway*, Brancu & Associates
 2022 *Inspired Leadership Specialization*, Coursera, Case Western Reserve University
 2022 *Six Sigma Certification*, Coursera, University System of Georgia
 2022 *Project Management Principles and Practices Specialization*, Coursera, UC Irvine
 2021 *Black, Brown, Bruised Educator Learning Community Facilitator*, Northern Kentucky University
 2019 *Biased Book Educator Learning Community*, Northern Kentucky University
 2018 *New Faculty Teaching Fellows*, Miami University