**Tyler S. Imfeld, Ph.D.**

Xavier University

Department of Biology

Albers Hall 108

3800 Victory Parkway +1 (513) 745-4238

Cincinnati, OH 45207, USA [imfeldt@xavier.edu](mailto:imfeldt@xavier.edu)

**PROFESSIONAL APPOINTMENTS**

**Xavier University**, Cincinnati, OH

Assistant Professor, Department of Biology, Aug 2025 – Present

**Denver Museum of Nature & Science**, Denver, CO

Research Associate, Zoology Department, Jan 2024 – Present

**Regis University**, Denver, CO

Assistant Professor, Department of Biology, Aug 2020 – July 2025

Director of the M.S. Environmental Biology Program, May 2023 – July 2025

**EDUCATION**

**University of Minnesota – Twin Cities**, St. Paul, MN

Ph.D. in Ecology, Evolution and Behavior, 2020

Graduate Advisor: F. Keith Barker

Dissertation Committee: Sharon Jansa, Sushma Reddy, and Kieran McNulty

**Xavier University**, Cincinnati, OH

B.S. in Biology, University Scholars Program, 2013

Minors in Environmental Studies and German

**TEACHING EXPERIENCE**

**Xavier University**, Cincinnati, OH

**General Biology I (BIOL 160)**

Lecture class introducing students to molecular biology, cells, and genetics with active learning and team-based exercises

**General Biology I Lab (BIOL 161)**

Lab class introducing students to experimental design in molecular and cellular biology

**Regis University**, Denver, CO

**General Biology I: Organismic Biology (BL 258)**

Flipped lecture class introducing students to science and hypothesis testing in the context of organismal ecology, evolution, and physiology

**General Biology I: Organismic Biology Lab (BL 259)**

Laboratory- and field-based lab course introducing students to experimental design, data collection, and scientific writing in the context of organismal biology

**Conservation Biology (BL 428 / ENVS 428 / RCC 410E)**

Upper-division biology & integrative core course exploring the history, practice, and successes of conservation, focusing on local bird species as primary examples

**Evolution (BL 464)**

Flipped lecture course exploring major trends in micro and macroevolution through literature discussion, computer simulations, and applied case study scenarios

**Colorado Flora & Fauna (BL 476 / ENVS 476 / RCC 410E)**

Summer field course introducing students to the diversity of and contemporary threats to Colorado’s plants and animals, and students contribute to community science projects

**Seminar in Biology, Society, and Ethics (BL 494)**

Biology capstone course evaluating the intersections of personal ethics, societal good, and environmental and biomedical science

**Seminar in Evolutionary Biology (BL 495)**

Biology capstone course focused on evolutionary biology, interpreting and presenting scientific literature, and professional development

**Environmental Biology Colloquium Project (BL 650B)**

Master’s level course focused on the analysis and writing of scientific manuscripts

**Introduction to Environmental Biology Skills (BL 651A)**

Introductory course for the MS Environmental Biology program, orienting students to research projects and reviewing foundations of ecology and statistics

**Environmental Biology Fieldwork II (BL 651B)**

Field and discussion-based seminar course, resulting in professional reports outlining results of ecological studies and management suggestions for local stakeholders

**Environmental Biostatistics & Research Design (BL 652)**

Applied statistics course introducing master’s students to basics of research design and statistical tools used for scientific studies in R

**Advanced Ecological Modeling (BL 654)**

Team-based applied statistics course exploring advanced methods of analyzing ecological data in R; ordination analyses, mixed-effects modeling, meta-analyses, etc.

**Advanced Ecology (BL 656)**

Graduate seminar course focused on the discussion, interpretation, and synthesis of literature on the ecology and management of grassland ecosystems

**Advanced Field Ecology Lab (BL 657)**

Field-based course engaging master’s students with collaborative research project with Denver Mountain Parks; sampling and study methods for different organisms

**Natural Mindfulness & Seasons (RCC 410E)**

Integrative core course cultivating mindfulness practice through nature journaling, forest bathing field trips, and nature writing

**University of Minnesota – Twin Cities, Graduate Teaching Assistantships**, St. Paul, MN

**Introduction to Ornithology** – Spring 2016, 2018, and 2019

Redeveloped lab sessions to include group-based and active learning; collections-based systematics of modern birds; field ID and research; mist-netting and banding

**Quantitative Methods of Biological Anthropology** – Fall 2018

Redeveloped entire lab curriculum as authentic learning experience for upper-level undergraduate students; graduate-level R-based lab applying multivariate statistics, ordination analyses, and geometric morphometrics to research projects

**Mammalogy** – Fall 2017

Collections-based systematics of modern mammals; track-plating and small mammal surveys; citizen science projects on Zooniverse

**Evolution** – Fall 2015

Molecular, specimen, and computer-based labs to investigate principles of evolution; phylogeny estimation; discussion and role-playing debate of contemporary issues

**Foundations of Biology Research Lab** – Fall 2014

Introduction to general lab techniques; interpreting and producing scientific writing; independent research design

**Xavier University, Graduate Teaching Assistantships**, Cincinnati, OH

**Tropical Ecology in Costa Rica** – Winter 2017-2018 and 2018-2019

Introduction to field identification, field research techniques, and principles of ecology, conservation, and evolution in Costa Rica

**ACADEMIC PUBLICATIONS** \* Master’s Student Author ^ Undergraduate Student Author

**^**Wu B.M., and **^**Hemmes I.G.**,** and **Imfeld T.S.** (In Review) Sex-biased sampling has variable impacts on primary research questions about avian functional trait diversity and evolution. *Ornithology*.

Zhao M., Thom G., Faircloth B.C., Andersen M.J., Barker F.K., Benz B.W., Braun M.J., Bravo G.A., Brumfield R.T., Chesser R.T., Derryberry E.P., Glenn T.C., Harvey M.G., Hosner P.A., **Imfeld T.S.**, Joseph L., Manthey J.D., McCormack J.E., McCullough J.M., Moyle R.G., Oliveros C.H., White N.D., Winker K., Field D.J., Ksepka D.T., Braun E.L., Kimball R.T., and Smith B.T. (In Review) Efficient inference of avian macrophylogeny. *Systematic Biology*.

^Vo S., ^Nguyen V., ^Ogi Y., **Imfeld T.S.**, and Sterling A. (In Review) Vaccine information, in literal or metaphorical form, intersects with college student identity to influence vaccine attitudes, trust in science, and vaccine knowledge. *PLoS One*.

\*Patton E.A., **Imfeld T.S.**, and Giebel M. (In Prep) Limited evidence of the impact of livestock grazing regimes on bluebird competition dynamics. For submission to *Ornithological Applications*.

\*Meek K.M., **Imfeld T.S**., and Spellman G.M. (In Prep) Historical dynamics of the Northern Flicker (*Colaptes auratus*) hybrid zone in response to urbanization of the Colorado Front Range.For submission to *The Wilson Journal of Ornithology.*

**Imfeld T.S.**, Barker F.K., Vázquez-Miranda H., Chaves J.A., Escalante P., Spellman G.M., and Klicka J. (2024) Diversification and dispersal in the Americas revealed by new phylogenies of the wrens and allies (Passeriformes: Certhioidea). *Ornithology* 141(2): 1-15. doi:10.1093/ornithology/ukae007.

**Imfeld T.S.** and Barker F.K. (2024) Passerine sister clade comparisons reveal variable macroevolutionary outcomes of interhemispheric dispersal. *Journal of Evolutionary Biology* 37(1): 37-50. doi:10.1093/jeb/voad001.

**Imfeld T.S.** and Barker F.K. (2022) Songbirds of the Americas show uniform morphological evolution despite heterogeneous diversification. *Journal of Evolutionary Biology* 35(10): 1335-1351.doi:10.1111/jeb.14084.

Mejías M.A., Roncal J., **Imfeld T.S.**, Boisen S., and Wilson D.R. (2020) Relationships of song structure to phylogenetic history, habitat, and morphology in the vireos, greenlets, and allies (Passeriformes: Vireonidae). *Evolution* 74(11): 2494-2511. doi: 10.1111/evo.14099.

**Imfeld T.S.**, Barker F.K., and Brumfield R.T. (2020) Mitochondrial genomes and thousands of ultraconserved elements resolve the taxonomy and historical biogeography of the *Euphonia* and *Chlorophonia* finches (Passeriformes: Fringillidae). *The Auk* 137(3): 1-25*.* doi: [10.1093/auk/ukaa016](https://doi.org/10.1093/auk/ukaa016).

**POPULAR SCIENCE PUBLICATIONS**

**Imfeld T.S.** (2024) Repurposing non-functional turf as integral ecology on our campuses. *Conversations on Jesuit Higher Education*. <https://conversationsmagazine.org/repurposing-non-functional-turf-as-integral-ecology-on-our-campuses-1cd27f80cd3f>.

**Imfeld T.S.** (2022) Splits, Lumps and the Definition of Bird Species. *Colorado Birds* 56(1): 88-92.

**CONFERENCE TALKS** \* Master’s Student Author ^ Undergraduate Student Author

^Riggin K.L, ^Sicat Z.J., and **Imfeld T.S.** (2025) *Ecomorphology and phylogenetic signal of hindlimbs in North American sparrows and blackbirds (Passerellidae & Icteridae)*. Paper presented at the 2025 Colorado Field Ornithologists Meeting, Grand Junction, CO.

**Imfeld T.S.**, ^Wu B.M., and ^Hemmes I.G. (2024) *Sex-biased sampling has variable impacts on primary research questions about functional trait diversity and evolution.* Paper presented at the 2024 American Ornithological Society Meeting, Estes Park, CO.

McNulty K.P., Jansma R., **Imfeld T.S.,** Lehmann T., Michel L., Muteti S., and Peppe D.J. (2023) *New fossil ape specimens from Rusinga Island, Kenya, and their implication for the evolution of Hominoidea*. Paper presented at the 2023 meeting of the Society of Vertebrate Paleontology, Cincinnati, OH.

\*Meek K.M., **Imfeld T.S.**, and Spellman G.M. (2023) *Historical dynamics of the Northern Flicker (*Colaptes auratus*) hybrid zone in the Colorado Front Range*. Paper presented at the 2023 joint meeting of the American Ornithological Society and Society of Canadian Ornithologists, London, ON, Canada.

\*Meek K.M., **Imfeld T.S.**, and Spellman G.M. (2023) *Historical dynamics of the Northern Flicker (*Colaptes auratus*) hybrid zone in the Colorado Front Range*. Paper presented at the 2023 Colorado Field Ornithologists meeting, Copper Mountain, CO.

**Imfeld T.S.** and Barker F.K. (2023) *Passerine sister clade comparisons reveal variable macroevolutionary outcomes of interhemispheric dispersal*. Paper presented at the 2023 Evolution Meeting, Albuquerque, NM.

**Imfeld T.S.** and Barker F.K. (2022) *Global diversification of the wrens, gnatcatchers, and allies (Certhioidea)*. Paper presented at the 2022 Joint Meeting of the American Ornithological Society and Birds Caribbean, San Juan, Puerto Rico.

**Imfeld T.S.** and Barker F.K. (2021) *Global diversification of the wrens, gnatcatchers and allies (superfamily Certhioidea)*. Paper presented at the 2021 Meeting of the Minnesota Ornithologists’ Union, St. Paul, MN.

**Imfeld T.S.** (2020) *Deep Time Origins of Minnesota’s Songbirds*. Seminar presented at the 2020 Online Meeting of the Minnesota Ornithologists’ Union, St. Paul, MN.

**Imfeld T.S.** and Barker F.K. (2019). *Species diversification and morphological evolution are not uniform among continental lineages of songbirds*. Paper presented at Evolution 2019 (SSE, SSB, ASN), Providence, RI.

**Imfeld T.S.** and Barker F.K. (2018) *Non-uniform diversification dynamics of the New World oscine avifauna*. Paper presented at the 27th International Ornithological Congress, Vancouver, BC, Canada.

**INVITED SEMINARS**

**Imfeld T.S.** (2024) *Molecular phylogenetics and the evolution of avian biodiversity.* Seminar presented at Xavier University, Cincinnati, OH.

**Imfeld T.S.** (2024) *Macroevolution and biogeography of American songbirds*. Seminar presented at Metropolitan State University, Denver, CO.

**Imfeld T.S.** (2022) *Zoos, Museums, & Biodiversity Research*. Seminar presented online to the University of Missouri College of Veterinary Medicine’s Student Chapter of the American Association of Zoo Veterinarians and Avian Club, Columbia, MO.

**Imfeld T.S.** (2019) *How can ecology help to provide solutions to environmental problems?: Bridging ecology, evolution, and conservation with avian biodiversity.* Seminar presented in the Department of Biology, Regis University, Denver, CO.

**Imfeld T.S.** (2018) *Morphological evolution and adaptive speciation of the New World oscine avifauna.* Seminar presented in the Department of Biology, Regis University, Denver, CO.

**Imfeld T.S.** (2018) *Morphological evolution and species diversification at hemispheric scales*. Seminar presented in the Department of Biology, Xavier University, Cincinnati, OH.

**Imfeld T.S.** (2017) *Morphological evolution and species diversification at hemispheric scales*. Seminar presented at the Field Museum of Natural History, Chicago, IL.

**CONFERENCE POSTERS** \* Master’s Student Author ^ Undergraduate Student Author

^Sicat Z.J., ^Riggin K.L., and **Imfeld T.S.** (2024) *Ecomorphology of the hindlimb in North American Sparrows*. Poster presented at the 2024 American Ornithological Society Meeting, Estes Park, CO.

\*Patton E.A., **Imfeld T.S.**, and Giebel M. (2024) *Changes in cattle stocking impact the breeding success of Mountain and Western Bluebirds in opposite directions*. Poster presented at the 2024 American Ornithological Society Meeting, Estes Park, CO.

**^**Wu B.M., **^**Hemmes I.G., and **Imfeld T.S.** (2023) *Does sex-biased sampling impact inferences of the diversity and evolution of songbird functional traits?* Poster presented at the 2023 Evolution Meeting, Albuquerque, NM.

**Imfeld T.S.** and Barker F.K. (2016) *The relationship between species diversification and morphological evolution in New World oscines*. Poster presented at the 6th North American Ornithology Conference, Washington, DC.

**Imfeld, T.S.** and Barker F.K. (2016) *The relationship between species diversification and morphological evolution in New World oscines*. Poster presented at Evolution 2016 (SSE, SSB, ASN), Austin, TX.

**Imfeld T.S.** and Barker F.K. (2015) *Phenotypic evolution in New World oscine songbirds*. Poster presented at the 2015 Meeting of the American Ornithologists’ Union, Norman, OK.

**Imfeld T.S.**, Chaput D., and Santelli C. (2013) *The effect of nutrients on the growth and manganese oxidation of fungi and bacteria.* Poster presented at the Ecological Society of America, Minneapolis, MN.

**REGIS UNIVERSITY STUDENT MENTORSHIP**

**M.S. Environmental Biology Advising**

**Wyatt Farace**, 2023-2025 – “Asthma prevalence and environmental exposure: the role of PM2.5 and community demographics"

Presented poster at the 2025 Regis Biology Symposium

**Emily Patton**, 2023-2025 – “Changes in cattle stocking impact the breeding success of Mountain and Western Bluebirds in opposite directions”

Presented poster at the 2024 & 2025 Regis Biology Symposia

Awarded $300 University Research & Scholarship Council conference travel grant

**Megan Gaeth**, 2022-2024 – “Assessing human-elk conflict at Dedisse Park”

Presented poster at the 2024 Regis Biology Research Symposium

**Kaily Meek**, 2021-2023 – “Historical dynamics of the Northern Flicker (*Colaptes auratus*) hybrid zone in the Colorado Front Range

Presented talk at the 2023 Regis Biology Research Symposium & won Best Presentation

Presented talk at the 2023 Colorado Field Ornithologists meeting and the 2023 American Ornithological Society meeting

**Dermot Swanson**, 2021-2022 – “Host species has non-uniform effects on the vitality of root parasite *Castilleja* species”

Presented talk at the 2022 Regis Biology Research Symposium

**Dylan Brown**, 2020-2022 – “Assessing effectiveness of tamarisk removal treatments through a meta regression analysis”

Presented poster at the 2022 Regis Biology Research Symposium

**Emily Ramos**, 2020-2021 – “A quantitative analysis on how mechanical thinning

impacts Pinyon Jay (*Gymnorhinus cyanocephalus*) occupancy in southern Colorado”

**Undergraduate Student Research**

**Kurt Riggin**, Fall 2024-Present – “Ecomorphology of the hindlimb among North American blackbirds” & “Developing 3D models of avian crania at the Denver Museum of Nature & Science through photogrammetry”

Presented poster at 2025 Regis Biology Research Symposium and Celebration of Undergraduate Research and Scholarship

Presented talk at the 2025 Colorado Field Ornithologists Meeting

**Zoe Sicat**, Fall 2023-Spring 2024 & **Kurt Riggin**, Spring 2024 – “Ecomorphology of the hindlimb among North American sparrows”

Presented poster at 2024 Regis Biology Research Symposium

Kurt Riggin awarded $370 URISE conference travel grant

**Brittany Wu & Isaac Hemmes**, Spring 2022-Summer 2023 – “Effects of sex-biased sampling on primary research questions in functional trait ecology and evolution”

Awarded two $500 Regis University Research & Scholarship Council research grants

Presented poster at 2023 Regis Biology Research Symposium

**Honors Program Thesis Reader**

Katherine Raper, 2023-2024 – “The Effects and Success Rates of Different Conservation Efforts on the Viability of Elephant and Rhinoceros Populations on the African Continent”

**Biology Major Advising (B.S. & B.A.)**

2024-2025: 15 advisees; 2023-2024: 14 advisees; 2022-2023: 10 advisees; 2021-2022: 6 advisees

**Student Club and Organization Advising**

Peter Beck Bird Watching Club – Faculty Advisor

**GRANTS AND FELLOWSHIPS**

2024 Regis University Faculty Development Committee Conference Travel Grant ($1,200)

Funding to attend the 2024 American Ornithological Society meeting in Estes Park, CO

2023 Regis University Faculty Development Committee Conference Travel Grant ($1,500)

Funding to attend the 2023 Evolution meeting in Albuquerque, NM

2022 Regis University Faculty Development Committee Small Research Grant ($250)

2022 Regis University Faculty Development Committee Conference Travel Grant ($1,500)

Funding to attend the 2022 AOS-BC meeting in San Juan, Puerto Rico

2020 Ecology, Evolution and Behavior Graduate Summer Fellowship ($5,200)

2019 Simons Foundation Fellowship in Systematic Biology, Bell Museum

“Can adaptive radiation explain the macroevolution of global biodiversity?” ($20,400)

2019 Avian Conservation Fund Grant, Bell Museum ($5,000)

2019 Ecology, Evolution and Behavior Graduate Summer Fellowship ($6,800)

2019 Ecology, Evolution and Behavior Travel Award ($900)

Funding to attend Evolution 2019 in Providence, RI

2018 Ecology, Evolution and Behavior Graduate Summer Fellowship ($6,700)

2018 Ecology, Evolution and Behavior Travel Award ($900)

Funding to attend the 27th International Ornithological Congress, Vancouver, BC, Canada

2017 Richard & Judie Huempfner Avian Research Fund Grant, Bell Museum

“Molecular systematics and comparative study of the bizarre true finch genera *Euphonia* and *Chlorophonia* (Fringillidae)” ($2,500)

2017 Frank Chapman Memorial Fund Grant, American Museum of Natural History

“Molecular systematics and comparative study of the bizarre true finch genera *Euphonia* and *Chlorophonia* (Fringillidae)” ($2,000)

2016 Wallace and Mary Lee Dayton Fellowship, Bell Museum ($25,000)

2016 Joyce Davenport Summer Fellowship, Bell Museum ($5,800)

2016 Collection Study Grant, American Museum of Natural History

“Relationship of species diversification to morphological evolution and its role in patterns of global diversity” ($1,300)

2016 Richard & Judie Huempfner Ruffed Grouse Grant, Bell Museum

“Relationship of species diversification to morphological evolution and its role in patterns of global diversity” ($1,500)

2016 Ecology, Evolution and Behavior Travel Award ($860)

Funding to attend Evolution 2016 in Austin, TX

2015 Florence Rothman Grant, University of Minnesota College of Biological Sciences

“Relationship of morphological evolution to species diversification in the largest radiation of New World birds (Passeriformes: Emberizoidea) ($1,200)

2015 Ecology, Evolution and Behavior Travel Award ($850)

Funding to attend the American Ornithologists’ Union meeting in Norman, OK

2014 AmeriCorps Segal Education Award ($5,500)

**AWARDS**

2025 Regis University Mission Moment – Nominated by Academic Internship Office

2025 BioOne Ambassador Award Nominee – Nominated by *Ornithology*

**ACADEMIC MEMBERSHIPS**

Now American Ornithological Society (AOS)

Society for the Study of Evolution (SSE)

AAAS / Program for Excellence in Science

2019 Society of Systematic Biologists (SSB)

2016 American Ornithologists’ Union

**LED WORKSHOPS**

2025 Conference Poster Design Workshop

Undergraduate Research, Inquiry, & Scholarly Engagement (URISE) Program

Led workshop about designing posters focused on question, results, and conclusions

**PROFESSIONAL TRAINING & ATTENDED WORKSHOPS**

2024 Academic Excellence Workshop: Pressing Pause for Pressing Needs

Office of the Provost, Regis University

Informational resource-building workshops centered around undocumented student support and integrating mindfulness, wellbeing, and linguistic inclusiveness into curricula

2022 Balancing Research and Teaching at PUIs Roundtable Session

American Ornithological Society & BirdsCaribbean 2022 Meeting

2021 QPR Suicide Prevention Training

Partners for Children’s Mental Health

Hands-on scenario-based workshop to identify warning signs of suicidal behavior and to learn QPR suicide prevention evidence-based practice

2021 Integrative Teaching Institute

Integrative Core and Center for Integrative Learning, Regis University

Week-long workshop to develop syllabi, learning objectives, and coursework for common core classes – developed RCC 410E: “Natural Mindfulness & Seasons”

2020 Inclusive Pedagogy Workshop: Engaging First-Generation, Low-Income, and Underrepresented Minority Students in the Classroom

Office of Diversity, Equity and Inclusive Excellence, Regis University

Hands-on scenario-based workshop to discuss and develop inclusive classroom practices for underrepresented student identities in higher education

2020 Broadening Representation & Equity with Science (BREWS) Seminar Series

Department of Ecology, Evolution and Behavior, University of Minnesota

Participated in monthly seminar series for data-driven discussions of diversity, inclusivity, and representation in STEM; 2018 – 2020

2018 Preparing Future Faculty

University of Minnesota – Twin Cities

Semester-long course to develop teaching philosophies, explore active learning techniques and technologies, and external practicum at local universities

2018 Assigning and Assessing Student Writing

University of Minnesota Center for Writing

Workshopped strategies to assign and assess student writing as a way of achieving learning goals and outcomes

2016 Integrating Natural History Collections into Undergraduate Education; Issues in Collections Management and Museum Science

6th Annual North American Ornithology Conference, Washington, DC

Day-long roundtable and workshop to showcase programs incorporating hands-on collections-based learning in education and challenges of collection curation

2016 Next-Generation Phenomics: Tools for the Tree of Life

University of Southern Maine, Portland, ME

Utilize and collect phenotypic data using citizen science, computer learning, and open-source project platforms

**PROFESSIONAL SERVICE**

2025 Harry Taylor Fund Grant Review Committee

Fall 2024-Spring 2025; Review and award applications for student research and travel grants

2025 Regis College Core Revision Think Tank – Heritage & Place

Fall 2024-Spring 2025; Collaborated with colleagues across college to develop SLOs, clarify transferability, and explore integration of new focus into the core curriculum

2025 Regis University Laudato Si’ Action Platform Faculty Representative

Fall 2022-Spring 2025; Biology/Environmental Science faculty representative on university-wide committee to assess, plan, and enact principles of integrated ecology on campus

2025 Biology Department Assessment Analyst

Spring 2022-Spring 2025; Analyzed student grades in General Biology I and developed tools to identify at-risk students using early semester indicators

2023 Regis College Curriculum & Core Committee (CCCC) Elected Member

Elected member 2022-2023; Review proposed changes to curricula and core classes

2023 Regis College Faculty Senate Representative

Fall 2021-Spring 2023; Represented Biology Department in Regis College Faculty Senate

2022 Regis University Search Committee – Biology, Molecular Biology

Member of search to hire an assistant professor in the Biology Department

2022 Regis University Graduate Commencement Faculty Marshall

2022 Regis University Search Committee – Biology, Ecology

2021-2022; member of search to hire an assistant professor in the Biology Department

2020 EEB Graduate Program Sexual Harassment Complaint Liaison

Point person for reporting and communicating sexual harassment claims from the EEB Graduate Program to the department and university

2018 EEB Graduate Program Coordinator Search Committee

Graduate student member of search committee to hire Graduate Program Coordinator for Department of Ecology, Evolution and Behavior

2017 Breckenridge Chair of Ornithology Search Committee

Graduate student member of search committee to hire an assistant professor in Department of Fisheries, Wildlife, & Conservation Biology and Curator of Ornithology at Bell Museum

2017 EEB Department Faculty Meeting Liaison

Graduate student liaison for monthly meetings with EEB faculty

2015 University of Minnesota College of Biological Sciences Leadership Council

Graduate student liaison for monthly meetings with department heads and deans of College of Biological Sciences

2014 EEB Graduate Program Fundraising Committee

Design and sale of student-designed merchandise for departmental travel funding

**JOURNAL PEER REVIEW**

*Biological Journal of the Linnaean Society, Ecography, Global Ecology & Biogeography, PeerJ*

**OUTREACH AND PUBLIC ENGAGEMENT**

2024 Science Sunday

Regis University, Denver, CO

April 2024; Led outdoor activity introducing young learners and their families to urban wildlife and hawk nesting behavior

2022 eBird and Bird Identification Workshop

MALT Sacramento Creek Ranch, Fairplay, CO

August 2022; Co-led bird walk with Evergreen Audubon and CSU graduate student, discussed identifying birds in the field and using eBird for community-driven science

2020 Diorama Interpretation Tours (canceled due to COVID-19 pandemic)

Bell Museum, St. Paul, MN

Would have led public tours drawing connections between exhibit displays and ongoing ornithological research at the University of Minnesota and Bell Museum

2020 Ornithology Collection Tours

Bell Museum, St. Paul, MN

2014-2020; Led tours highlighting use of collections for research and outreach to students of Twin Cities universities, high schools, and NGOs

2019 MN Conservation Corps Youth Outdoors – College and Career Day

Bell Museum, St. Paul, MN

November 2016, April 2017, April and November 2018, November 2019; led tours of Bell Museum collections and discussed science degrees and careers with high school students from underrepresented communities

2019 Jackson Middle School EcoExtravaganza

Cedar Creek Ecosystem Science Reserve, Bethel, MN

May 2015-2019; advised 8th grade students to formulate research questions and hypotheses, collect morphometric data from mist netted birds, analyze data as a way to test hypotheses, and present research findings in a lightning talk session

2019 Junior Scientist Camp

Bell Museum, St. Paul, MN

July-Sep 2018, July 2019; hands-on demonstration of studying wild birds with mist nets and using natural history collections with students ages preK-6th grade

2018 Halloween: The Dead Zoo

Bell Museum, St. Paul, MN

Held public demonstration of owl specimen dissection for skeletal preparations, and explained importance of skeletal and tissue collections to museum visitors

2018 Saturday with a Scientist: Pollinators

Bell Museum, St. Paul, MN

Hosted game to showcase coevolution of flower and hummingbird bill morphology and the convergent evolution of nectar feeding across avian diversity

2018 Grand Opening Science Sunday

Bell Museum, St. Paul, MN

Designed and facilitated hands-on lab activity for museum visitors to measure spread-wing specimens and compare wing shape to flight behavior and physics

2018 Science and Social Studies Adventures (SASSA)

Maple Grove Middle School, Maple Grove, MN

Spring 2017 & 2018; guided 6-8th grade students at Maple Grove Middle School to make predictions, design experiments, and draw conclusions about geological and evolutionary processes in the lab

2017 Science and Social Studies Adventures Critter Corner Blog

Twin Cities Metro Area, MN

Wrote blog posts catered to middle school students about the ecology, Evolution and Behavior of organisms with unique morphological adaptations

2016 Saturday with a Scientist: Migration

Bell Museum, St. Paul, MN

Showcased and explained conservation efforts and citizen science to study animal migration in Minnesota and worldwide

2015 Fulton County, OH 4-H Camp: “You Can like a Toucan”

Camp Palmer, Fayette, OH

Facilitated game to teach campers ages 8-14 how different bird bills are adapted to forage for different kinds of food

2014 Ridgecrest Wildflower Festival Bureau of Land Management Public Exhibit

Ridgecrest, CA

Set up exhibit to showcase diversity and conservation of wildlife on BLM land; discussed importance of conservation biology with visitors

2013 Congressional Night at the Smithsonian

National Museum of Natural History, Washington, DC

Explained interdisciplinary bioremediation research in Department of Mineral Sciences to congressional staff and their families

**CURATORIAL EXPERIENCE**

**Bell Museum,** St. Paul, MN

**Genetic Resources Collection**, Curatorial Assistant, Summer 2015 & Fall 2018

Processing, shipping, and receiving of tissue specimen loans; specimen accessioning

**Ornithology Collection**, Specimen Preparation, Spring 2018

Weekly undergraduate mentoring to prepare tissue and skeletal specimens

**Ornithology Collection**, Field Assistant, Summer 2015

Vocalization recording and collecting assistance for Marsh Wrens (*Cistothorous palustris*) in Montana

**Cincinnati Museum Center,** Cincinnati, OH

**Geier Research & Collection Center**, Database Volunteer, Spring 2013

Reviewed and updated taxonomic data for 25,000 ornithology specimens

**PREVIOUS EMPLOYMENT**

2014 Humboldt Redwoods State Park Trail Crew

California State Parks, Weott, CA

2014 Student Conservation Association Desert Restoration Corps

Bureau of Land Management, Ridgecrest, CA

2013 Geomicrobiology Research Assistant

National Museum of Natural History, Dept. of Mineral Sciences, Washington, DC

2012 Smithsonian Natural History Research Experience (NHRE) Intern

National Museum of Natural History, Dept. of Mineral Sciences, Washington, DC

2011 Invasive Plant Ecology Research Assistant

Xavier University, Department of Biology, Cincinnati, OH

2010 Aviculture and Horticulture Intern

Cincinnati Zoo and Botanical Gardens, Cincinnati, OH