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RESEARCH INTERESTS

- The influence of community interactions on the evolution of behavior
 - The ecology and evolution of vibrational communication
 - Potential benefits of classroom-based research
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PROFESSIONAL APPOINTMENTS

2021 – present Japheth E. Rawls Professor of Undergraduate Research in Science, Elon University
2020 – present Interim Associate Director, Elon University Undergraduate Research Program
2020 – present Associate Professor, Elon University Department of Biology
2014 – 2020 Assistant Professor, Elon University Department of Biology
2012 – 2014 Postdoctoral Associate, University of Florida
Entomology and Nematology Department, Advisor: Christine Miller

EDUCATION

2011 Ph.D. in Biological Sciences and Graduate Certificate in Science Outreach, University of Missouri. Dissertation: *Communication about Predation Risk between Parents and Offspring Groups in Treehoppers*. Advisor: Rex Cocroft.
2003 – 2005 Post-Baccalaureate coursework and research, University of North Carolina at Asheville. Research mentors: Tim Forrest, Jim Petranka, and Kitti Reynolds.
2004 B.H.A. in Art and Russian Studies, Carnegie Mellon University

AWARDS and FELLOWSHIPS

2021 *Japheth E. Rawls Professorship for Undergraduate Research in Science*
2020 Elon College of Arts and Sciences *Excellence in Mentoring Award*
2019 Sigma Xi, *elected to full membership*
2012 *Warner Clyde Allee Award Finalist*, Animal Behavior Society
2011 *Teaching Assistant Choice Award* (nominated), Missouri Student Association
2007 – 2010 *U.S. Department of Education Graduate Assistance in Areas of National Need (GAANN) Fellowship*
2005 *Genesis Award*, Animal Behavior Society
2005 *Distinction in Biological Research*, University of North Carolina, Asheville

TEACHING EXPERIENCE

Courses Taught since August 2014

Field Biology Panama (BIO 335, lecture/lab), *Instructor*, Elon University, Winter 2019 – present.

- Immersive lecture/lab short-term study abroad course during which students learn and practice principles of tropical ecology, including contributing to an ongoing collaborative research project at the Smithsonian Tropical Research Institute.

Animal Behavior (BIO 331/331L, lecture/lab), *Instructor*, Elon University, Spring 2016 – present.

- Lecture course with lab in which students learn principles of animal behavior through readings, lectures, and discussions. Students practice elements of behavior research in hands-on laboratory exercises. Students design, execute, and present independent projects.

Invertebrate Zoology (BIO 371, lecture), *Instructor*, Elon University, Winter 2017 – present.

- Lecture course with integrated lab activities in which students survey invertebrate form and function within an evolutionary framework.

Biodiversity (BIO 131, lecture/lab), *Instructor*, Elon University, Fall 2014 – present.

- Integrated lab/lecture course in which students learn foundational biology about all groups of living organisms and explore evolutionary relatedness, ecology, and physiology of example organisms from each group.

Population Biology (BIO 212, lecture), *Instructor*, Elon University, Spring 2015 – present.

- Students study the ecology and evolutionary processes of populations.

Population Biology (BIO 214, lab), *Instructor*, Elon University, Fall 2014 – present.

- Hands-on laboratory including activities in estimating population parameters, measuring abiotic influences on and biotic indices of community assembly, and simulation of evolutionary processes acting in populations.

Introductory Seminar (BIO 261), *Instructor*, Elon University, Fall 2016 – present.

- Science communication and skills course for second-year biology majors. Students search primary literature, paraphrase, create annotated bibliographies, and communicate science in oral and written forms.

Introductory Biology (BIO 106, lecture/lab), *Instructor*, Elon University, Fall 2019 – present.

- Integrated lab/lecture course for non-majors in which students examine major groups of living organisms, evolutionary relatedness, ecology, transmission genetics, and basic cell biology. Cross-cutting themes include the nature of science and evidence-based decision making.

Introductory Biology (BIO 101, lecture), *Instructor*, Elon University, Fall 2020 – present.

- Foundational biology course for non-majors in which students examine major groups of living organisms, evolutionary relatedness, ecology, transmission genetics, and basic cell biology. Cross-cutting themes include the nature of science and evidence-based decision making.

Guest Lectures

- ‘*Collective behavior*’, Insect Behavior (graduate, online), University of Florida, 2015, 2017

MENTORING

23 Elon undergraduate research mentees, including 1 Elon Lumen Fellow, 1 Elon Honors Fellow, 5 Elon College Fellows, 6 SURE students, 17 BIO/ENS 499 students, and one Elon Academy mentee.

Graduate Committees

Wendy Helmey-Hartman, Ph.D., University of Florida, Graduated December 2014

Undergraduate / Post-Baccalaureate Research Mentees

Elon University: Bea Balajonda (BIO 499), Rebecca Carranza (BIO 499), Kaley Clapp (BIO 499), Neil Clark (ENS 499), Breanna Coughlin (ECF, SURE), Emma Ebright (BIO 499), Emma Eskeland (BIO 499), Alana Evora (BIO 499/HNR 498), Warren Grunvald (BIO 499), Alina Iwan (ECF, Glen Raven, CRGE, SURE), Tyler Lehmann (ENS 499), Nicole Marici (BIO 499), Davis McQuirt (ECF), Lauren Miller (BIO 499), Dawson Nance (BIO 499, SURE), Jean Ross (ECF, Glen Raven, CRGE, SURE), Matthew Sears (ECF, Glen Raven, CRGE, SURE), Ainsley Shan (BIO 499), Sydney Solomon (BIO 499, SURE), Paige Stover (BIO 499), David Terrill (volunteer), Rebecca Usher (BIO 499), Connor Whiffen (BIO 499)

University of Florida: Savannah Nease, Natalia Piñeros, Sierra Abdullaj, Jonathan Alerte, Isabel Betancourt, Christian Caro, Heather Erskine, Michelle Feole, Natalie Grand Bois, Katherine Holmes, Patricia Jayakumar, Alexander LoCastro, Brooke Meislik, Zachary Nolen, Yaneke Paulay, Anthony Riggio, Sydney Roig, Holley Short, Kirsten Verster

University of Missouri: Jasmine Dillard, Timothy Golden, Ashley Groves, Megan Johnson, Alicia Burke, James Benjamin Christ, Rodrigo Landeros, Shannon Dennis

Elon Academy Research Mentees (High school students)

Bradley Lauck

Sponsored Internships (all BIO 481 unless otherwise noted)

Jennifer Archis, Sarah Hope Dolce (ENS 381), Jordan Finizio, Morgan Reich, Erin Tanhauser, Victoria Woodard

PUBLICATIONS

12 peer-reviewed publications, 2 academic book chapters, 1 book (popular press)

Manuscripts submitted: 2; Manuscripts in preparation: 2; Projects with data collected: 5

Peer-Reviewed Journal Articles (* denotes undergraduate co-author)

Hamel JA, ter Hofstede H, Gauthier AJ, Lopatto D, Merton P, and D Vandermast. (Accepted) Undergraduate research abroad: Shared themes in student learning from two models of undergraduate research in field biology study abroad courses. *Scholarship and Practice of Undergraduate Research*.

Vandermaas-Peeler M, Hall E, Ketcham C, Allocco AL, Idriss M, Hamel JA, Marshall DJ. (Accepted) An ecological model of mentoring undergraduate research in global contexts. *Mentoring and Tutoring*.

Greenway G, Hamel JA, and Miller CW. (2021) Exploring the effects of extreme polyandry on sexual selection and male reproductive success. *Behavioral Ecology*. DOI: 10.1093/beheco/arab081

Sears M*, Barbosa F, and Hamel JA. (2020) Prolonged and variable copulation durations in a promiscuous insect species: No evidence of reproductive benefits for females. *Behavioral Processes*. DOI: 10.1016/j.beproc.2020.104189

Hamel JA and RB Cocroft. (2019) Maternal vibrational signals reduce the risk of attracting eavesdropping predators. *Frontiers in Ecology and Evolution*. 7:204. DOI: 10.3389/fevo.2019.00204

Hamel JA, Eskeland EE*, Lehmann T*, and PL Stover*. (2018) Reproductive costs for hybridizing female *Anasa tristis* (Hemiptera: Coreidae), but no evidence of selection against interspecific mating. *Journal of Insect Science*. 18 (4):1-7. DOI: 10.1093/jisesa/iey080

Hamel JA, S Nease*, and CW Miller. (2015) Male mate choice and female receptivity contribute to reproductive interference between insect species. *Behavioral Ecology and Sociobiology*. 69 (6):951-956. DOI: 10.1007/s00265-015-1907-z

Miller CW, JA Hamel, KD Holmes, WL Helmey-Hartman, and D Lopatto. (2013) Expanding your research team: learning gains when a laboratory partners with a classroom. *BioScience* 63(9):754-762. DOI: 10.1525/bio.2013.63.9.11

Hamel JA and RB Cocroft. (2012) Functions and benefits of negative feedback in collectively signaling treehoppers. *Proceedings of the Royal Society B*. 279:3820-3826.

Hamel JA. (2009) *Anaxyrus americanus*. (American toad). Egg cannibalism. *Herpetological Review*. 40 (1):67-68.

Petranka JW, EM Harp, CT Holbrook, & JA Hamel. (2007) Long-term persistence of amphibian populations in a restored wetland complex. *Biological Conservation*. 138: 371-380.

Reynolds BC, J Hamel, Isbanioly J, Klausman L & KK Moorhead. (2007) From forest to fen: Microarthropod abundance and litter decomposition in a Southern Appalachian floodplain/fen complex (USA). *Pedobiologica*. 51: 273-280.

Submitted Manuscripts

S Madhusudhana, G Pavan, LA Miller, WL Gannon, A Hawkins, C Erbe, [JA Hamel](#), JA Thomas. Chapter 2: Choosing Recording Equipment. In: *Exploring Animal Behavior through Sound*. Springer International Publishing AG.

Greenway G, [Hamel JA](#), and Miller CW. A tangled web: why do some individuals mate with the wrong species? In review at *Journal of Evolutionary Biology*.

Manuscripts in preparation

Ross, J*, Gamble M, and [Hamel JA](#). Functions of multimodal signals for a neotropical katydid (*Docidocercus gigliotosi*). In preparation for *Animal Behaviour*.

[Hamel JA](#), Kernan C, Symes L, Martinson S, and H ter Hofstede. Tremulations of neotropical katydids (Orthoptera, Tettigoniidae) from Panama. In preparation for *Journal of Orthoptera Research*.

Academic Book Chapters

Cocroft RB, [JA Hamel](#), Q Su, and J Gibson. (2014) Vibrational playback experiments: challenges and solutions. In: *Studying Vibrational Communication*. Eds. RB Cocroft, M Gogala, A Wessel, Springer.

Cocroft RB and [JA Hamel](#). (2010) Vibrational communication in the “other” social insects: a diversity of ecology, signals, and signal functions. In: *The Use of Vibrations in Communication: Properties, Mechanisms and Function across Taxa*. Ed. CE O’Connell-Rodwell, Research Signpost.

Popular Press

Tim Forrest and [Jen Hamel](#). (2016) *Bug Camp: Where Every Day Is an Adventure*. Ed. D Cusick, Quarto Publishing. *Highly recommended (**)* and included in *Best Books of 2016* by the American Association for the Advancement of Science in the journal *Science Books & Films*.

FUNDING (All proposals were peer-reviewed.)

Competitive Funding

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| 2021 | Burroughs Wellcome Fund SSEP: Elon Explorers. Pls: Mark Enfield, Jennifer Hamel . (\$146,320) |
| 2021 | National Science Foundation S-STEM. Supporting Undergraduates from Community College to Excel and Succeed in STEM (SUCCESS). Pls: Sirena Hargrove-Leak, Jennifer Hamel , Debra McCusker, Jessica Merricks, Gabie Smith. (\$142,238) |
| 2020 | Alamance Community Foundation. Elon Explorers: a semi-formal science learning program for ABSS middle school students. Pls: Mark Enfield, Jennifer Hamel . (\$4,025) |
| 2020 | Carolina Biological Supply Company. Elon Explorers: a semi-formal science learning program for ABSS middle school students. Pls: Mark Enfield, Jennifer Hamel . (\$2,500) |
| 2020 | LabCorp. Elon Explorers: a semi-formal science learning program for ABSS middle school students. Pls: Mark Enfield, Jennifer Hamel . (\$3,000) |
| 2019 | Elon University Fund for Excellence in the Arts and Sciences. Strengthening the core of a liberal arts university. Jennifer Hamel , Sirena Hargrove-Leak, Becky Olive-Taylor, and Janelle Ellis-Holloway. (\$5,000) |
| 2019 | Elon University Faculty CATL mini-grant. Evaluating student learning in in a short-term study abroad course with an undergraduate research module. (\$300) |

- 2018 National Geographic / Microsoft AI for Earth. The new buzz: AI-powered acoustic monitoring of insect communities to advance conservation of tropical rainforests. PIs: Holger Klinck, Laurel Symes, Shyam Madhusudhana, Hannah ter Hofstede, Rachel Page, Jennifer A. Hamel. (\$109,787)
- 2018 Elon University Faculty Research & Development Financial Assistance (\$3,160)
- 2017 Elon University Faculty Research & Development Financial Assistance (\$4,183)
- 2016 Elon University Winter Term (2017) Course Enhancement Grant, CAS Dean's Office (\$485)
- 2016 Elon University Faculty Summer Fellowship, "Developing academic products from research on hybridization in insects" (\$8,775)
- 2016 Elon Undergraduate Research Program Mentor Development Grant, (\$905)
Elon Undergraduate Research Program Group Travel Award, (\$1,206)
- 2015 Elon University Faculty Summer Fellowship, "Evaluating the evolutionary costs of between-species mating" (\$12,100)
- 2014 National Academies Keck Futures Initiative (NAKFI) conference, "Social Behaviors" At a 2009 working group (*Microbes to Metazoans: Regulation, Dynamics, and Evolution of Social Behavior*, Georgia Institute of Technology, Atlanta, GA), I contributed to the NAKFI proposal for this meeting.
- 2013 - 2014 USDA APHIS 10201 Farm Bill. Evaluated, Improved, and Expanded Collaborative and Enhanced First Detector Training for Florida, California, and New York. PIs: Amanda Hodges, Jennifer A. Hamel, Stephanie Stocks, Brian Myers, Carrie Lapaire Harmon, Leroy Whilby, Rick Bostock, Richard Hoenisch, Rachel McCarthy. (\$175,000) * *Because of my passion for science outreach, I co-developed this suggestion and workplan with the PI, Amanda Hodges.*

Mentored Student Competitive Funding

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| 2021 | Alana Evora | The Elon University <i>Lumen Prize</i> (\$20,000) |
| 2021 | Rebecca Carranza | Summer Undergraduate Research Experience (\$3000) |
| 2020 | Jean Ross | Summer Undergraduate Research Experience (\$3000)
Elon University Undergraduate Research Grant (\$261) |
| | Kaley Clapp | Elon University Undergraduate Research Grant (\$500) |
| 2019 | Jean Ross | Glen Raven Endowed Grant, Elon University (\$1500)
Elon Center for Research on Global Engagement award (\$1000) |
| | Rebecca Usher | Elon University Undergraduate Research Grant (\$200) |
| 2018 | Alina Iwan | Animal Behavior Society, Charles H. Turner Award (\$650)
<i>Twelve of 35-50 students from institutions around the world are selected each year for this travel award from a national society. Students submit applications describing their research experience and career goals, and applications are peer-reviewed.</i>
Acoustical Society of America, Robert W. Young Award (\$500)
<i>Two students are selected each year for this competitive research award from a national society. Students submit peer-reviewed proposals.</i>
Summer Undergraduate Research Experience (\$3000)
Glen Raven Endowed Grant, Elon University (\$1500)
Elon Center for Research on Global Engagement award (\$1000) |
| | Emma Ebright | Elon University Undergraduate Research Grant (\$480) |
| | Sydney Solomon | Summer Undergraduate Research Experience (\$3000) |
| | Connor Whiffen | Elon University Undergraduate Research Grant (\$150) |
| 2017 | Matt Sears | Glen Raven Endowed Grant, Elon University (\$1500) |

		Elon Center for Research on Global Engagement award (\$1000) Summer Undergraduate Research Experience (\$3000)
	Alina Iwan	Glen Raven Endowed Grant, Elon University (\$1500) Elon Center for Research on Global Engagement award (\$1000)
	Breanna Coughlin	Summer Undergraduate Research Experience (\$3000)
2015	Dawson Nance	Summer Undergraduate Research Experience (\$3000)

PRESENTATIONS since August 2014

9 invited presentations, 13 contributed presentations, 34 mentored student presentations

Invited Presentations (* denotes presenting author)

- 2018 "Causes and consequences of reproductive interference between two closely-related insect species," [JA Hamel](#)*. Department of Biology Seminar Series, University of North Carolina at Asheville.
- 2017 "A community approach to insect behavior," JA Hamel*. Cramer Seminar Series, Dartmouth College.
- "A community approach to insect behavior," JA Hamel*. Department of Biology Seminar Series, University of North Carolina at Wilmington.
- "A community approach to insect behavior," JA Hamel*. Department of Biology Seminar Series, Winthrop University.
- "A community approach to insect behavior," JA Hamel*. *Bambi* Seminar Series, Smithsonian Tropical Research Institute, Barro Colorado Island, Panama.
- 2016 "A community approach to studying mating behavior in insects," [JA Hamel](#)*. Department of Biology Seminar Series, Appalachian State University.
- "Causes and consequences of reproductive interference between two closely-related insect species," [JA Hamel](#)* & CW Miller. Reproductive Interference and Its Applications Symposium, International Congress of Entomology, Orlando, FL.
- 2015 "Across-species mating can be driven by male mate preferences," CW Miller* & [JA Hamel](#). Heteropterist Organized Meeting, Entomological Society of America Annual Meeting, Minneapolis, MN.
- "Across-species mating can be driven by male mate preferences," CW Miller* & [JA Hamel](#). Behaviour 2015, Cairns, Australia.

Contributed Presentations (abstracts peer-reviewed; presenting author & oral presentation unless noted)

- 2019 "Elon Explorers: Citizen science meets multimedia communication," co-presented by M Enfield, [JA Hamel](#), 2019 North Carolina Science Teachers Association Professional Development Institute, Winston-Salem, NC
- "Cultivating curiosity and resiliency through mentoring undergraduate research in global contexts," workshop facilitated by A Allocco, E Hall, [JA Hamel](#), M Idriss, C Ketcham, M Vandermaas-Peeler, Elon University 16th Annual Teaching and Learning Conference, Elon, NC
- "A comparative study of airborne and vibrational signaling in Neotropical katydids," [JA Hamel](#), A Iwan*, C Kernan, S Martinson, L Symes, & H ter Hofstede, Behaviour 2019, joint meeting of the Animal Behavior Society and the International Conference on Ethology, Chicago, IL (poster)
- "How does mate assortment influence sexual selection for extreme polyandry?" G Greenway, [JA Hamel](#), CW Miller, Behaviour 2019, joint meeting of the Animal Behavior Society and the International Conference on Ethology, Chicago, IL (presented by G Greenway)

- “A Tangled Web: Why do Some Individuals Mate with the Wrong Species?” G Greenway, [JA Hamel](#), CW Miller, Evolution Annual Meeting, Providence, RI (presented by G Greenway)
- “Flexible signaling strategies in a Neotropical katydid,” C Kernan, [JA Hamel](#), A Iwan, A Litterer, S Martinson, L Symes, H ter Hofstede, The Smithsonian Tropical Research Institute Annual Interns & Fellows Symposium, Panama City, Panama (poster, presented by C Kernan)
- “A Tangled Web: Why do Some Individuals Mate with the Wrong Species?” G Greenway, [JA Hamel](#), CW Miller, Society for Integrative and Comparative Biology Annual Meeting, Tampa, FL (presented by G Greenway)
- 2018 “Calling, courtship, and postmating tremulations in a Neotropical katydid,” C Kernan, [JA Hamel](#), A Iwan, H ter Hofstede, The 2nd International Symposium on Biotremology, Riva del Garda, Italy (poster, presented by C Kernan)
- “Hybridization between two insect species: ecology, behavior, and consequences,” [JA Hamel](#), Annual Meeting of the Animal Behavior Society, Milwaukee, WI
- 2017 “Ecology, behavior, and the consequences of hybridization between two insect species,” [JA Hamel](#), Annual Meeting of the Animal Behavior Society, Toronto, ON (poster)
- 2016 “Causes and consequences of reproductive interference between two closely-related insect species,” [JA Hamel](#), Annual Meeting of the Animal Behavior Society, Columbia, MO
- “Exploring uses and benefits of Classroom-based Undergraduate Research Experiences (CUREs),” round table discussion facilitated by E Bauer, [J Hamel](#), S Hargrove-Leak, A Overman, C Richardson, J Uno, CEL Conference on Excellent Practices in Mentoring Undergraduate Research, Elon, NC
- 2015 “Are female mating decisions adaptive when environments vary? A test using natural resource variation,” [JA Hamel](#), CW Miller, Society for Integrative and Comparative Biology Annual Meeting, Palm Beach, FL

Mentored Student Presentations (all abstracts peer-reviewed; * presenting author)

- 2021 J Ross*, M Gamble, C Kernan, H ter Hofstede & JA Hamel. Annual Meeting of the Animal Behavior Society, virtual. Poster. Genesis Award, Best Undergraduate Poster.
- J Ross*, M Gamble, C Kernan, H ter Hofstede & JA Hamel. Association of Southeastern Biologists, virtual. Oral presentation. ASB Oral Presentation Award – Animal Biology.
- J Ross*, M Gamble, C Kernan, H ter Hofstede & JA Hamel. North Carolina Academy of Sciences, virtual. Oral presentation. 1st place, Ecology, Botany & Zoology.
- J Ross*, M Gamble, C Kernan, H ter Hofstede & JA Hamel. Elon SURF, virtual. Oral presentation.
- 2020 R Usher* & JA Hamel. North Carolina Academy of Sciences, Hickory, NC. Poster. (cancelled due to COVID-19)
- D McGuirt* & JA Hamel. North Carolina Academy of Sciences, Hickory, NC. Oral presentation. (cancelled due to COVID-19)
- E Ebright*, N Marici*, & JA Hamel. North Carolina Academy of Sciences, Hickory, NC. Oral presentation. (cancelled due to COVID-19)
- R Usher* & JA Hamel. Elon BIOSURF, Elon, NC. Poster (virtual).
- J Ross* & JA Hamel. Elon BIOSURF, Elon, NC. Poster (virtual).
- D McGuirt* & JA Hamel. Elon BIOSURF, Elon, NC. Oral presentation (virtual).
- E Ebright*, N Marici*, & JA Hamel. Elon BIOSURF, Elon, NC. Oral presentation. (virtual).
- 2019 A Iwan*, C Kernan, A Litterer, H ter Hofstede & JA Hamel. Annual Meeting of the Animal Behavior Society, Chicago, IL. Poster.

- S Solomon* & JA Hamel. North Carolina Academy of Sciences, Wilmington, NC. Oral presentation. 1st place, Environmental Science & Zoology.
- A Iwan*, C Kernan, A Litterer, H ter Hofstede & JA Hamel. North Carolina Academy of Sciences, Wilmington, NC. Oral presentation. 2nd place, Environmental Science & Zoology.
- C Whiffen* & JA Hamel. North Carolina Academy of Sciences, Wilmington, NC. Poster. 1st place, Environmental Science & Zoology.
- S Solomon* & JA Hamel. Elon SURF, Elon, NC. Oral presentation.
- A Iwan* & JA Hamel. Elon SURF, Elon, NC. Oral presentation.
- 2018 B Coughlin* & JA Hamel. Association of Southeastern Biologists, Myrtle Beach, SC. Oral presentation.
- M Sears* & JA Hamel. Association of Southeastern Biologists, Myrtle Beach, SC. Oral presentation.
- B Coughlin* & JA Hamel. Elon SURF, Elon, NC. Oral presentation.
- M Sears* & JA Hamel. Elon SURF, Elon, NC. Oral presentation.
- M Sears* & JA Hamel. Elon SURF, Elon, NC. Poster presentation.
- A Iwan* & JA Hamel. Elon SURF, Elon, NC. Poster presentation.
- 2017 D Nance* & JA Hamel. North Carolina Academy of Sciences, High Point, NC. Oral presentation. 1st place, Environmental Science & Zoology.
- E Eskeland* & JA Hamel. North Carolina Academy of Sciences, High Point, NC. Oral presentation. 2nd place, Environmental Science & Zoology.
- L Miller*, B Balajonda*, & JA Hamel. North Carolina Academy of Sciences, High Point, NC. Poster. 3rd place, Ecology.
- W Grunvald* & JA Hamel. North Carolina Academy of Sciences, High Point, NC. Poster. 2nd place, Ecology.
- E Eskeland* & JA Hamel. Elon SURF, Elon, NC. Oral presentation.
- D Nance* & JA Hamel. Elon SURF, Elon, NC. Oral presentation.
- L Miller*, B Balajonda*, & JA Hamel. Elon SURF, Elon, NC. Poster.
- W Grunvald* & JA Hamel. Elon SURF, Elon, NC. Poster.
- 2016 D Nance* & JA Hamel. Annual Meeting of the Animal Behavior Society, Columbia, MO. Poster.
- T Lehmann* & JA Hamel. Association of Southeastern Biologists, Concord, NC. Poster.
- D Nance* & JA Hamel. Association of Southeastern Biologists, Concord, NC. Poster.
- P Stover* & JA Hamel. Association of Southeastern Biologists, Concord, NC. Poster.
- T Lehmann* & JA Hamel. Elon SURF, Elon, NC. Poster.
- D Nance* & JA Hamel. Elon SURF, Elon, NC. Oral presentation.
- P Stover* & JA Hamel. Elon SURF, Elon, NC. Poster.

Other Professional Activity

- Ongoing Reviewer for *Annals of the Entomological Society of America* (1), *Animal Behaviour* (1), *Animal Ecology* (1), *Behavioral Ecology and Sociobiology* (5), *Behaviour* (2), *Biological Journal of the Linnean Society* (1), *Bulletin of Entomological Research* (1), *Current Biology* (2), *Ethology* (5), *Florida Entomologist* (1), *Herpetologica* (1), *Journal of Ethology* (1), *Journal of Natural History* (1), *Journal of Orthopteran Research* (2), *Naturwissenschaften* (2), *Proceedings of the Royal Society B* (1), *Scholarship and Practice of Undergraduate Research* (1), Springer International Publishing (1)
- 2021 Panel reviewer for NSF Rules of Life Emerging Networks Program
- 2020 Ad Hoc reviewer for NSF Biological Sciences, Integrative Organismal Systems (IOS)
- 2020 – present Animal Behavior Society (national society), co-chair of the Charles H. Turner program for undergraduate researchers
- 2019 – present Biotremology (international society) Scientific Committee

2017 – present	Animal Behavior Society (national society), Diversity Committee
2017 – 2018	Preparing Future Faculty Mentor
2016	Session Chair, Animal Behavior Society Annual Meeting
2016	Judge, Animal Behavior Society, undergraduate poster competition
2015	Session Chair, Society for Integrative and Comparative Biology Annual Meeting
2015	Judge, Society for Integrative and Comparative Biology Annual Meeting, undergraduate poster competition

Contributions to the Life of the University since August 2014

University

2020 – Present	Interim Associate Director of the Elon Undergraduate Research Program
2018 – Present	Peace Corps Prep Program, Co-Advisor for Environment and Agriculture
2016 – Present	Academic Support and Advising, Advisory Committee member
2021	Co-chair, Elon QEP Steering Committee
2020 – 2021	Co-chair, Working Group on Course-embedded Research at Elon
2020 – 2021	Contributor to American Council on Education / Elon self-study on Mentoring
2020 – 2021	Panelist for “ <i>Building your career at Elon</i> ,” Center for the Advancement of Teaching and Learning new faculty information session
2020	Recorded <i>Acorn Talk</i> for Elon virtual Family Weekend 2020
2019 – 2020	Search for Director of National and International Fellowships Program
2018 – 2020	National and International Fellowships Advisory Committee member
2017 – 2020	Residential Life, Sustainability LLC Faculty Co-Advisor
2019	Attended NCUR as a faculty mentor with Elon URP
2019	Panelist for “ <i>Developing plans for scholarship, research & undergraduate mentoring</i> ,” Center for the Advancement of Teaching and Learning new faculty information session
2019	Contributed to <i>Advancing STEM</i> community working group
2017 – 2019	Environmental Advisory Council member
2018	Search for Director of Koenigsberger Learning Center, committee member
2016 – 2018	IRB, Advisory Committee member
2016	Search for Elon Undergraduate Research Program Director and Associate Directors, committee member

College of Arts and Sciences

2019 – Present	<i>Voices of Discovery</i> Committee, member
2019	Invited and hosted Dr. Dorinda Carter Andrews (Michigan State) for a workshop on supporting students from underrepresented groups in STEM
2019	Invited and hosted Sheila Patek (Duke) as a <i>Voices of Discovery</i> speaker
2018 – 2019	Preparing Future Faculty mentor to Dr. Katie Thomas, Duke University

Departmental

2018 – Present	Biology Gift Fund Committee, member
2016 – Present	Life Sciences Scholarships Committee, member
2019 – 2020	Search for Biology tenure-track faculty member, committee member
2017 – 2019	Biology Curriculum Committee, member
2017 – 2018	Search for Biology tenure-track faculty member, committee member
2015 – 2020	Fund-raising Captain for Biology, Faculty/Staff Annual Giving Campaign
2015 – 2018	Biology Club and <i>Tri-Beta</i> Biology Honor Society, Faculty Co-advisor

Service that connects the university to the broader community

2020	Co-developed and facilitated remote-learning science camp for Alamance County middle school students, <i>with</i> Mark Enfield. Elon, NC.
2019	Co-developed and facilitated week-long middle school science camp for 24 Alamance County students, <i>with</i> Mark Enfield. Elon, NC.
2019	Hosted <i>Honeybee Disease Workshop</i> , attended by Alamance and Guilford County veterinarians and facilitated by State Apiary Inspector Nancy Ruppert

- 2017, 2018 Developed and facilitated half day “Bug Camp” outreach event at Elon Loy Farm for ABSS middle school *Discover Science* camp. Elon, NC.
- 2016, 2018 Developed and facilitated evening “Bug Camp” outreach events at Elon University for middle school students and parents with The Village Project. Elon, NC.
- 2015 “*Sounds from the Undergrowth: What Insects Are Talking About,*” Invited talk. Tectonic Plates Science Café, Elon, NC.
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PROFESSIONAL DEVELOPMENT since August 2014

- 2020 - 2021 Think Tank on Mentoring Undergraduate Research in Global Contexts, hosted by AAC&U, Elon University’s Center for Research on Global Engagement (CRGE), and The Forum on Education Abroad
- 2020 AAC&U Diversity in STEM Conference
- 2020 Elon Center for the Advancement of Teaching and Learning: *Course Design Institute*
- 2020 Elon Teaching and Learning Technologies Workshop: *Digital Learning Days: Technology for Flexible Teaching*
- 2020, 2019, 2018 Elon Center for the Advancement of Teaching and Learning Faculty Writing Residency
- 2018 - 2019 *Intercultural Consciousness Certificate Program*, Elon University
- 2018 - 2019 Elon Center for Research on Global Engagement, Community of Practice
- 2018 CATL speedteaching workshop on facilitating student interdependence (contributor)
- 2016 *Sustainability Scholar*, Elon University
- 2015 Elon Center for the Advancement of Teaching and Learning Summer Workshop in Backward Course Design
- 2015 *Engaging Students with Case Studies* workshop, NC A&T State University
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PROFESSIONAL AFFILIATIONS

Animal Behavior Society, North Carolina Academy of Sciences, Sigma Xi