

# Kathryn A. Stofer

## EDUCATION

- Ph.D. Science Education, Free-Choice Learning, Department of Science, Math, and Computer Science Education, Oregon State University, 2013
- M.S. Science Journalism, Boston University, 2002
- B.S. Biology, California Institute of Technology, 1998

## PROFESSIONAL APPOINTMENTS

- 2013 - Research Assistant Professor, STEM Education and Outreach  
*University of Florida, Department of Agricultural Education and Communication*  
70% Research/30% Extension
- 2015 - 2016 Innovation Fellow for Citizen Science, eXtension Foundation  
2015 Instructor, Science Education  
*Oregon State University*
- 2004 - 2009 TerraLink Earth Science News Exhibit Manager, Maryland Science Center  
2002 - 2004 Associate Producer, Office of Communications, NASA Goddard Space Flight Center  
1998 - 2000 Research Assistant, University of Texas Health Science Center, Research Imaging Center

## PUBLICATIONS

Note: Student authors; *Postdoctoral researchers, research scientists, and other staff authors*; \*Primary contributors among multiple authors.

### Refereed Journal Articles (24 total, 20 at UF)

- 2019 **Stofer, K. A.\***, Rujimora, J., Sblendorio, D., Duquaney, E., Tatineni, M., & Gaudier, G. (2019 online ahead of print). Casual conversations in everyday spaces can promote high public engagement with science. *International Journal of Science Education, Part B*.
- 2019 **Stofer, K. A.\***, Lundgren, L.\*, Dunckel, B., Krieger, J., Lange, M., James, V. (2019). Public engagement on climate and health in museums and participatory dialogues may foster behavior change. *Journal of STEM Outreach*. 2, 1-13.
- 2019 Lundgren, L.\*, **Stofer, K. A.\***, Dunckel, B., Krieger, J., Lange, M., James, V. (2019). Panel-based exhibit using participatory design elements may motivate behavior change. *Journal of Science Communication*, 18(2), A03.  
<https://doi.org/10.22323/2.18020203>
- 2018 Clyde, M.\* , Eberhardt, A., Prysby, M., & **Stofer, K. A.** (2018). Untapped: Accessing extension to strengthen connections between citizen science and community decision-making. *Journal of Extension*. (56) 5, Article 5FEA7.
- 2018 **Stofer, K. A.\***, & Rios, C. (2018). Contextualizing science learning through agricultural free-choice learning opportunities in your backyard. *Science Educator*. 26 (2), 114-121.
- 2018 **Stofer, K. A.\***, & Schiebel, T.\* (2018). What do we know? Review of U.S. public genetic modification literacy reveals little empirical data. *Journal of Human*

- Sciences and Extension*. 6 (4), 59-76.
- 2018 Telg, R. W., **Stofer, K. A.\***, & DeConna, R.\* (2018). Using Student-Produced Videos to Communicate about Science. *Journal of Applied Communications*. (102) 2, Article 2.
- 2018 Spakes-Richter, B.\* , Poleatewich, A., Haslett, M., & **Stofer, K. A.** (2018). Finding the Gaps: An Assessment of Concepts, Skills, and Employer Expectations for Plant Pathology Foundational Courses. *Plant Disease*. (102) 10, 1883-1898.
- 2018 **Stofer, K. A.\***, & Wolfe, T.\* (2018). Investigating Exemplary Public Engagement with Science: Case Study of Extension Faculty Reveals Preliminary Professional Development Recommendations. *International Journal of Science Education, Part B*. (8) 2, 150-163. <https://doi.org/10.1080/21548455.2017.1420268>
- 2018 Barrick, R.K.\*, Heinert, S.\*, Myers, B., Thoron, A., & **Stofer, K. A.** (2018). Integrating disciplinary core ideas, the agriculture, food and natural resources career pathways, and next generation science standards. *Career and Technical Education Research*. 43 (1), 41-56.
- 2017 **Stofer, K. A.\***, & Schiebel, T. (2017). U.S. adults with agriculture experience are likely more familiar with genetic engineering than those without. *Journal of Agricultural Education*. 58 (4), 160-174.
- 2017 Kumar Chaudary, A.\*, Warner, L. A., & **Stofer, K. A.** (2017). Evaluation of an Online Behavior Change Certificate Program. *Journal of Agricultural Education*. 58 (4), 210-224.
- 2017 **Stofer, K. A.** (2017). Tools for using citizen science throughout Cooperative Extension. *Journal of Extension*. 55 (2), Article 2TOT8. <https://www.joe.org/joe/2017april/tt8.php>
- 2017 **Stofer, K. A.\*** & Newberry, M. G. (2017). When defining agriculture and science, explicit is not a bad word. *Journal of Agricultural Education*. 58 (1), 131-150.
- 2016 **Stofer, K. A.** (2016). When a picture isn't worth 1000 words: Learners struggle to make meaning from data visualizations. *Journal of Geoscience Education*. 64, 231-241. doi: 10.5408/14-053.1
- 2016 Vitone, T.\*, **Stofer, K.\***, Steininger, S., Hulcr, J., Dunn, R. & Lucky, A.\* (2016). School of Ants goes to college: Integrating citizen science into the general education classroom increases engagement with science. *Journal of Science Communication*. 15 (1), A03. [http://jcom.sissa.it/archive/15/01/JCOM\\_1501\\_2016\\_A03](http://jcom.sissa.it/archive/15/01/JCOM_1501_2016_A03)
- 2015 **Chumbley, S. B.\***, Haynes, J. C.\* , & **Stofer, K. A.\*** (2015). A measure of students' motivation to learn science through Agricultural STEM emphasis. *Journal of Agricultural Education*. 56(4), 107-122. doi: 10.5032/jae.2015.04107
- 2015 **Stofer, K.** (2015). Connecting to agriculture in science centers to address challenges of feeding a growing population. *Science Education and Civic Engagement International Journal*. Summer 2015 issue. [http://seceij.net/seceij/summer15/connecting\\_agri.html](http://seceij.net/seceij/summer15/connecting_agri.html)
- 2015 **Stofer, K.** (2015). *Informal, Non(-)formal, or Free-choice* education and learning? Toward a common terminology for agriscience and Ag-STEM educators. *Journal of Human Sciences and Extension*, 3 (1), 125-134.
- 2014 **Stofer, K.\***, and Che, X.\* (2014). Comparing expert and novice eye-tracking on scaffolded data visualizations. *Journal of Eye Movement Research*. 7(5), 1-15.
- 2001 Brannan, S.\* , Liotti, M.\* , Egan, G., Shade, R., Madden, L., Robillard, R., Ablanalp, B., **Stofer, K.**, Denton, D., Fox, P.T. (2001). Neuroimaging of cerebral activations

and deactivations associated with hypercapnia and hunger for air. *Proceedings of the National Academy of Sciences*, 98 (4), 2029-34.

- 2000 Tan, L.H., Spinks, J.A., Gao, J. -H., Liu, H. -L., Perfetti, C.A., Xiong, J., **Stofer, K. A.**, Pu, Y., Liu, Y., & Fox, P.T. (2000). Brain activation in the processing of Chinese characters and words: A functional MRI study. *Human Brain Mapping* 10 (1), 16-27.
- 2000 Xiong, J.\*, **Stofer, K. A.**, Pu, Y., Liu, H.-L., Tan, L.H., Gao, J.-H., & Fox, P.T. (2000). Different language processing strategy and neural pathways for Chinese speakers. *Neuroimage* 11 (5), S308.
- 1999 Koutstaal, W.\*, Schacter, D.L., Galluccio, L., & **Stofer, K. A.** (1999). Reducing gist-based false recognition in older adults: encoding and retrieval manipulations. *Psychology and Aging* 14 (2), 220-37.

#### Refereed Conference Proceedings (5 total, all at UF)

- 2019 Soni, N.\*, Darrow, A., Luc, A., Alexandre, J., Morales, A., Kirkland, B., Chang, P., Schuman, C., Neff, H., Gleaves, S., **Stofer, K. A.**, Anthony, L. (2019). Analysis of Collaborative Interactive Gestures During Embodied Cognition in Tabletop Science Learning Experiences. *Proceedings of the Conference of Computer Supported Collaborative Learning (CSCL'19)*. Lyon, France, June 17-22, 2019, Pages 9-16.
- 2019 Soni, N.\*, Gleaves, S., Neff, H., Morrison-Smith, S., Esmaeili, S., Mayne, I., Bapat, S., Schuman, C., **Stofer, K. A.**, Anthony, L. (2019). Do User-Defined Gestures for Flatscreens Generalize to Interactive Spherical Displays for Adults and Children? In *Proceedings of the International Symposium on Pervasive Displays*, Palermo, Italy, June 12-14, Article No. 24.
- 2019 Soni N.\*, Bapat, S., Gleaves, S., Darrow, A., Schuman, C., Neff, H., Chang, P., **Stofer, K. A.**, Anthony, L. (2019). Towards Understanding Interactions with Multi-Touch Spherical Displays. *Extended Abstracts of the ACM Conference on Human Factors in Computing Systems (CHI'2019)*. Glasgow, UK, May 4-9, Paper No. LBW0238.
- 2018 **Stofer, K. A.\***, Spakes-Richter, B., DelRocco, N., and Boamah, M. (2018). General education plant pathology course increases science identity among undergraduates in live and online sections. Paper presented at the Southern Region conference of the Association of Agricultural Educators, Jacksonville, FL, Feb. 6, 2018.
- 2016 Anthony, L.\*, **Stofer, K. A.\***, Luc., A., & Wobbrock, J. O. (2016). Characterizing user gestures on touch tables and touch walls in a public science center. *Proceedings of IDC 2016: The 15th International Conference on Interaction Design and Children*. 344-355. doi: 10.1145/2930674.2930682

#### Extension Publications - Internal Blind Peer Review (7 total, all at UF, blinded review began 2018)

- 2019 Warner, Laura A., **Stofer, K. A.**, & Khachatryan, H. (2019). Making action easier: Behavioral economics and nudges for Extension professionals. University of Florida Electronic Data Information Source publication AEC 680. <https://edis.ifas.ufl.edu/wc343>
- 2019 **Stofer, K. A.** (2019). Preparing for Qualitative Research - Logistics. University of Florida Electronic Data Information Source publication AEC 676. <https://edis.ifas.ufl.edu/wc339>
- 2019 **Stofer., K. A.** (2019). Preparing for Qualitative Research - Designing the Interview Guide. University of Florida Electronic Data Information Source publication AEC 675.

- <https://edis.ifas.ufl.edu/WC338>
- 2019 Basille, M., & Stofer, K. A. (2019). BioBlitzes: Citizen Science for Biodiversity coming to Florida. Electronic Data Information Source publication WEC 404. <http://edis.ifas.ufl.edu/uw449>
- 2018 Stofer, K. A. & Rumble, J. N. (2018). Helping agritourism visitors learn during their visits. University of Florida Electronic Data Information Source publication AEC 645. <http://edis.ifas.ufl.edu/WC308>
- 2018 Rumble, J. N., Stofer, K. A. & Manafian Ghahfarokhi, H. (2018). Selecting the right type of educational experience for your agritourism operation. University of Florida Electronic Data Information Source publication AEC 641. <http://edis.ifas.ufl.edu/WC304>
- 2018 Stofer, K. A. (2018). Getting Engaged: Program and Event Planning for Clients with Diverse Abilities. University of Florida Electronic Data Information Source publication AEC 636. <http://edis.ifas.ufl.edu/wc299>

### Extension Publications - Internal Non-blind Peer Review (12 total, all at UF)

- 2017 Rumble, J. N., Harders, K., & Stofer, K. A. (2017). Peach Consumption: A Profile of Purchasers and Non-Purchasers. University of Florida Electronic Data Information Source publication AEC 626. <http://edis.ifas.ufl.edu/WC288>
- 2017 Rumble, J. N., Harders, K., & Stofer, K. A. (2017). Florida Peaches: A Perfect Snack. University of Florida Electronic Data Information Source publication AEC 625. <http://edis.ifas.ufl.edu/WC287>
- 2017 Henry, M. B., & Stofer, K. A. (2017). Florida's Agritourism Laws. University of Florida Electronic Data Information Source publication AEC 623. <http://edis.ifas.ufl.edu/WC285>
- 2017 Stofer, K. A. (2017). Education and Facilitation Methods for Extension. University of Florida Electronic Data Information Source publication AEC 691. <http://edis.ifas.ufl.edu/WC281>
- 2017 Stofer, K. A. (2017). Getting Engaged: Resources for Improving Public Engagement. University of Florida Electronic Data Information Source publication AEC 611. <http://edis.ifas.ufl.edu/WC273>
- 2017 Stofer, K. A. (2017). Getting Engaged: Improving Your Stakeholder Engagement Practices. University of Florida Electronic Data Information Source publication AEC 612. <http://edis.ifas.ufl.edu/WC274>
- 2017 Stofer, K. A. (2017). Getting Engaged: "Public" Engagement Practices for Researchers. University of Florida Electronic Data Information Source publication AEC 610. <http://edis.ifas.ufl.edu/WC272>
- 2016 Stofer, K. A.\*, Sullivan, J., Rumble, J., & Johnson, L. (2016). Promoting Ag Awareness through commodity fact sheets. University of Florida Electronic Data Information Source publication AEC 591. <http://edis.ifas.ufl.edu/wc253>
- 2016 Rumble, J. N.\*, Stofer, K. A.\*, Johnson, L. (2016). Understanding Ag Awareness programming throughout UF/IFAS Extension: Supporting citizen awareness of food systems and the environment. University of Florida Electronic Data Information Source publication AEC 504. <https://edis.ifas.ufl.edu/wc168>
- 2014 Stofer, K.\*, Warner, L.\*, and Arthurs, S. (2014). Emphasizing the Science, Technology, Engineering, and Math (STEM) in Agricultural Extension. University of Florida Electronic Data Information Source Publication AEC 522. <https://edis.ifas.ufl.edu/wc184>

- 2014 Warner, L.\* and **Stofer, K.\*** (2014). Extension Professionals: Anticipating and Solving Common Challenges in Planning and Delivering Educational Programs. University of Florida Electronic Data Information Source Publication AEC 513. <https://edis.ifas.ufl.edu/wc178>
- 2014 **Stofer, K.** (2014). Visualizing Spatially-Based Data for Various Stakeholder Audiences. University of Florida Electronic Data Information Source Publication AEC 499. <https://edis.ifas.ufl.edu/wc163>

### Manuscripts in Submission

- J.r6* Schuman, C., **Stofer, K. A.**, Anthony, L., Neff, H., Soni, N., Darrow, A., Luc, A., Chang, P. (under review). Focus groups reveal interest in human impacts on the ocean specifically to understand solutions. *Journal of Environmental Education*.
- J.r5* **Stofer, K. A.\***, Matyas, C.\*, Lannon, H., Judge, J., Lanman, B., & Norton, H. (under review) Two-year college students report multiple benefits from participation in an integrated geoscience research, coursework, and outreach internship program. *Research in Higher Education*.
- J.r4* Matyas, C.\* , **Stofer, K. A.\***, Lannon, H., Judge, J., Lanman, B., & Norton, H. (under review). 2-year college students benefit from but face unique obstacles to undergraduate geoscience research at a 4-year university. *Journal of Geoscience Education*
- J.r3* Schuman, C., **Stofer, K. A.**, Anthony, L., Neff, H., Chang, P., Soni, N., Darrow, A., Luc, A., Morales, A., Alexandre, J., & Kirkland, B. (under review). Ocean data visualization on a touchscreen table promotes group content learning, science practices use, and embodied cognition. *International Conference of the Learning Sciences*.
- J.r2* Newberry, M. G., III., & **Stofer, K. A.** (Under revision). Southeastern U.S. Agricultural Scientists Report Less Alarm about Climate Change than Public. *Environmental Communication*
- J.r1* Spakes-Richter, B.\* , **Stofer, K. A.\***, DelRocco, N., & Boamah, M. (under revision). General education plant pathology course increases science identity among undergraduates in live and online sections. *NACTA Journal*.
- E.r1* Henry, M.B., & **Stofer, K. A.** (Extension publication under review). Florida Agritourism Building Codes.

### Manuscripts in Preparation

- J.p5* Jones, M. B., **Stofer, K. A.**, Bokor, J., Price, C., Guimaraes, S., Koroly, M. J. (in preparation). Personal meaning mapping as a tool for investigating content knowledge learning during teacher professional development. *Studies in Educational Evaluation*.
- J.p4* **Stofer, K. A.**, Rujimora, J., Sblendorio, D., Cuervo, M., Remley, W., Duqueny, E., & Tatineni, M. (in preparation). Conversations reveal patterns of turn-taking in casual conversations for public engagement with science. *Science Education*.
- J.p3* Colclasure, B.\*, **Stofer, K. A.**, Albrecht, D., Stubbs, E., & Walters, K. (in preparation). Teacher professional development on invasive species improves management choices long-term. *Environmental Education Research*.
- J.p2* **Stofer, K. A.\***, Fulton, J., Prizzia, A., & Keown, H., & Garrett, K. (in preparation). Social network analysis reveals gaps and opportunities for regional sustainable food producer collaboration. *Journal of Agriculture, Food Systems, and Community*

### *Development*

- J.p1* **Stofer, K. A.\***, Santos-Santiago, D. & Keown, H. (in preparation). In their own words: Definitions of sustainable production vary among food producers. *Rural Sociology*
- E.p1* **Stofer, K. A.**, Hecht, K., Lundgren, L & Williams, T. (Extension publication in preparation). Social Media for Public Engagement with Science.

### **Editor-Reviewed Popular Publications (3 total, all at UF)**

- 2019 **Stofer, K. A.** (2019). Informal, Nonformal, and Free-Choice Learning: Engaging with Scientists in Unexpected Places. *The Agricultural Education Magazine*. 92(1), 13-15.
- 2017 **Stofer, K. A.** (2017). Getting Explicit: Making the Connections between Agriculture and Science Obvious. *The Agricultural Education Magazine*. 90(2).
- 2015 **Stofer, K. A.** (2015) Finding Ag STEM in the real world: Connecting to community resources. *The Agricultural Education Magazine*. 87(5).

### **Evaluation and Technical Reports (3 total, 2 at UF)**

- 2018 Rumble, J. N.\*, **Stofer, K. A.**, & Ruth, T. K. (2018). Statewide Plan for Agritourism. PIE2016/17-03B. Gainesville, FL: University of Florida/IFAS Center for Public Issues Education.
- 2018 **Stofer, K. A.\***, & Rumble, J.N., & *Anderson, S.* (2018). Florida Consumers' Perceptions of Agritourism Focus Groups. PIE2016/17-03a. Gainesville, FL: University of Florida/IFAS Center for Public Issues Education.
- 2010 Rowe, S.\* , Stofer, K., Barthel, C., & *Hunter, N.* (2010). Hatfield Marine Science Center Magic Planet Installation Evaluation Findings. Corvallis, OR: Oregon Sea Grant.

### **GRANT/CONTRACT ACTIVITY**

#### **Current Awards**

- 2019 - 2022 USDA NIFA, "Determining Antecedents to Consumer Acceptance," UF PI
- 2018 - 2020 Science Festival Alliance Science In Vivo, "Talk nature with me," PI, \$10,000
- 2018 - 2020 UF Health Cancer Center, Education programs evaluator, PI, \$30,000 (approximate), internal contract
- 2017 - 2020 USDA NIFA ELI, University of Florida, "Collaborative Curriculum Design for Invasive Species Education," PI, \$145,000
- 2016 - 2021 NIH SEPA, University of Florida, "Collaborating to Advance Teaching and Learning of Science Educators and Students [CATALySES]," \$1.35 million, evaluator

#### **Previous Awards**

- 2018 - 2019 Creative Campus Catalyst Fund, Developing Complex Problem-solving in Interdisciplinary Students, Co-PI, \$7,226
- 2017 - 2019 USDA WAMS, University of Florida, "Promoting STEM Educational Equity (STEM-EE) for Rural Minority Youth through Experiential Learning and Mentoring Opportunities," Co-PI
- 2016 - 2019 NSF AISL, University of Florida, "Think Globally, Interact Locally: Advancing Science Learning using Interactive Spherical Displays to Model Global, Physical Systems [TGIL]," \$295,785, PI, additional REU supplement, \$16,000

- 2015 - 2019 NSF Improving Undergraduate STEM Education GEOPATHS Program, University of Florida, “Collaborative Research: GP-EXTRA: Geoscience Engagement and Outreach (GEO) - High-Impact Integrated Academic and Professional Experiences,” \$156,667, PI
- 2018 - 2019 Citrus Disease Research Foundation, Communication Plan evaluator, Co-PI, \$5000 (approximate), contract
- 2017 - 2019 USDA NIFA IPM, University of Florida, “2017 Crop Protection and Pest Management Extension Implementation Project,” Co-PI, \$565,645
- 2016 - 2018 USDA Higher Education Challenge, University of Florida, “Assessing Concepts, Skills, and Employer Expectations for Improvement of Plant Pathology Foundation Courses and Curriculum,” Co-PI, \$47,326
- 2016 - 2018 USDA Florida Specialty Crop Block Program, University of Florida, “Driving demand: Increasing awareness and marketability of Fla. Peaches,” \$94,769.50, Co-PI
- 2016 - 2017 USDA Florida Specialty Crop Block Program, University of Florida, “Promoting specialty crops through agritourism: Producer professional development,” \$80,000, Co-PI
- 2016 Internal UF/IFAS Research Dean’s office, University of Florida, “Community Chats: Tweaking the Science Café Format to Promote Public Engagement on Climate Change and Public Health,” \$67,492, PI
- 2015 - 2016 Southern Sustainable Agricultural Research and Education Sustainable Communities Innovation Grant, University of Florida, “Who’s Connected? Sustainable Producers in the North Central Florida Food System,” \$34,166, PI
- 2015 - 2016 COSEE-FL NSF grant subaward from Smithsonian Institution, University of Florida, \$13,272, April 2015 - Sept. 2015; Renewal Oct. 2015 - Sept. 2016, \$19,000 additional. \$32,272 total.
- 2015 - 2016 eXtension Foundation Innovation Fellowship - Citizen Science, University of Florida, \$20,000, PI.
- 2015 - 2016 USDA Specialty Crop Research Initiative, Washington State University, “Genome Database for Rosaceae: Empowering Specialty Crop Research through Big Data-Driven Discovery and Application in Breeding,” 2014-07920, UF lead Olmstead, \$143,570 (UF portion), Key Personnel
- 2015 UF Center for Aquatic and Invasive Plants, University of Florida, Plant Camp Workshop Evaluation Survey Development, \$780, contract.
- 2014 - 2015 Florida Energy Systems Consortium Education Program, University of Florida, “A Certificate Program To Enhance Sustainable Behavior Change Competencies For Energy-Focused Educational Outreach Professionals,” \$18,102, co-PI  
Production of online certificate program on social marketing
- 2014 - 2015 Internal University of Florida Institute of Food and Agricultural Sciences Research Dean’s Office, University of Florida, “Case Studies of Exemplary Outreach to Foster Broad Research Dissemination,” \$15,000, PI
- 2014 - 2015 UF Space Plants Lab, University of Florida, Outreach Capacity Development, \$12000, contract.
- 2014 Cyberscholar, University of Florida, sub-award from NSF DRL 1114741, \$5000.
- 2012 - 2013 Curtis and Isabella Holt Marine Education Award, Oregon State University, \$6,000, PI.

### Proposals Under Consideration

- 2020 - 2023 Institute for Museum and Library Studies, “Harnessing the Power of Virtual Reality to Promote Lifelong Learning,” sub-contract from Orlando Science Center, \$17,000,

- evaluator.
- 2020 - 2023 NSF AISL, University of Florida, “Leveraging the power of home: urban residential stormwater ponds as the context for informal science learning and behavior change for environmental sustainability”, \$299,956, co-PI
- 2020 - 2024 NSF AISL, University of Florida, “Touch Interaction for Data Engagement with Science Visualizations (TIDES-V): Designing Interactive Learning Experiences supported by Embodied Cognition and Direct Touch,” \$1,897,149, PI
- 2020 - 2021 Schoodic Institute Second Century Stewardship Fellowship, “Visitor Research to Motivate Park Stewardship,” \$19,750, PI
- 2020 - 2024 NOAA Office of Education, “The Engaging with Ethics for Action on Climate Resilience (EEACR) program,” \$480,645, PI

### AWARDS

- 2015 Emerging Engagement Scholars Workshop, Engagement Scholarship Consortium
- 2014 Jhumki Basu Equity and Diversity Scholars Program, NARST
- 2014 Peer Alliance for Gender Equity National Institute, NSF/Science Museum of Minnesota (program postponed)
- 2014 Faculty Fellowship Summer Institute in Israel
- 2014 Empowering Women in Technology Startups Program
- 2013 President’s Commission on the Status of Women grant, OR Women in Higher Ed. Conference
- 2012 Graduate School Travel Award, Oregon State University
- 2012 College of Science Student Travel Award, Oregon State University
- 2012 Post-Graduate Study Days scholarship, International Conference on Science Communication
- 2012 Best Poster, Hatfield Marine Science Center Markham Symposium
- 2012 Hatfield Student Organization Travel Award
- 2011 Honorable Mention, NSF Graduate Research Fellowship Program, Science Education
- 2006 Employee of the Month, Maryland Science Center
- 2001 Merit Scholarship, Boston University
- 1998 Honorable Mention, National Defense Science and Engineering Graduate Fellowship
- 1997 Semifinalist, Doris S. Perpall Summer Undergraduate Research Fellowship Speaking Awards
- 1997 Summer Undergraduate Research Fellowship, Harvard University, advisor: Daniel Schacter
- 1996 Summer Undergraduate Research Fellowship, Caltech, advisor: Mary B. Kennedy
- 1994 - 1998 National Merit Scholarship, Dow Chemical Company
- 1994 - 1996 National Science Scholars Program Scholarship

### INVITED TALKS

- 2019 Building Partnerships for Public Engagement with STEM. Iowa State University. Ames, IA. April 5, 2019.
- 2019 Building Partnerships for STEM Learning for All. Seminar presented to the National Science Foundation. Alexandria, VA. March 29, 2019.
- 2019 Building Partnerships for Public Engagement with Science. Seminar presented to the Florida Museum of Natural History. Gainesville, FL. February 20, 2019.
- 2017 Understanding and Advancing Informal Science Education. Seminar presented to the College of Education, North Carolina State University, Raleigh, NC. January 29,



- 2017.
- 2015 Citizen Science and STEM in Agriculture and Education. United States' Federal Government Citizen Science and Crowdsourcing Community of Practice. Virtual Presentation. December 17, 2015.
- 2014 The Future of Research and Teaching in Agricultural and Natural Resources Communication. Seminar presented to the College of Education, Oregon State University, Corvallis, OR, July 9, 2014.
- 2014 Adapting Visualizations for Broad Audiences. Presentation at the National Oceanic and Atmospheric Administration Science on a Sphere Users Group meeting, St. Paul, MN, June 12, 2014.

## CONFERENCE ACTIVITY

Note: Student authors; *Postdoctoral researchers, research scientists, and other staff authors*; \*Primary contributors among multiple authors.

### Panels Organized

- 2015 Ag-STEM: Re-Emphasizing Agriculture Connections with STEM for Contextualized Teaching and Learning. NARST, Chicago, IL, April 14, 2015.
- 2014 Scientists, Educators, and Publics in Engagement: Who Learns from Whom? NARST, Pittsburgh, PA, April 1, 2014.

### Stand-Alone Presentations

- 2019 **Stofer, K. A.** & Watts, J. V. (2019). Collaborative Curriculum Design on Local Invasive Species Alleviates Barriers to Implementation of Authentic Science Experiences in High School Classrooms. Western Region of the American Association for Agricultural Education. Anchorage, AK. Sept. 18, 2019.
- 2019 **Stofer, K. A.**, Odell, H., & Rumble, J. (2019) Sources of Agricultural Background Among Florida Residents Includes Variety of Everyday Experiences. Western Region of the American Association for Agricultural Education. Anchorage, AK. Sept. 18, 2019.
- 2019 Insalaco, S.\* & **Stofer, K. A.** (2019). Two-Year College Students Report Multiple Benefits from Participation in a Geoscience Research and Education Internship. Florida Society of Geographers. Orlando, FL. February 9, 2019.
- 2018 Little, M.\*, & **Stofer, K. A.** (2018). Understanding the Difference in Perception Between Satellite Imagery and Political Maps. Presentation at the Southeast Division of the American Association of Geographers Conference. Johnson City, TN, Nov. 18, 2018.
- 2018 Newberry, M. G., III\*, & **Stofer, K. A.\***(2018). Climate change perceptions of southeastern U.S. agricultural scientists: Where do they stand on the issue? Presentation at the International Symposium on Society and Resource Management, Salt Lake City, UT, June 21, 2018.
- 2018 **Stofer, K. A.\***, Spakes-Richter, B., DelRocco, N., and Boamah, M. (2018). General education plant pathology course increases science identity among undergraduates in live and online sections. Paper presented at the Southern Region conference of the Association of Agricultural Educators, Jacksonville, FL, Feb. 6, 2018.
- 2018 Schuman, C.\*, **Stofer, K. A.\***, Luc, A., Soni, N., Darrow, A., Anthony, L., Kirkland, B., Morales, A., & Alexandre, J. Ocean Data Visualization on a Touch-Interactive

- Tabletop Promotes Group Engagement with Science Content and Practices. Presentation at NARST Annual Conference, Atlanta, GA, March 13, 2018.
- 2017 **Stofer, K. A.\***, Lannon, H., Matyas, C., Judge, J., *Lanman, B., Norton, H.* (2017). Multiple pathways: Undergraduate research, coursework, and engagement with the public all support geoscience career pursuit. Geological Society of America, Seattle, WA, Oct. 22, 2017.
- 2017 **Stofer, K. A.\***, & Schiebel, T. (2017). U.S. adults with agriculture experience are likely more familiar with genetic engineering than those without. American Association of Agricultural Education National Conference. San Luis Obispo, CA, May 2017.
- 2017 **Stofer, K. A.\***, Lundgren, L.\*, James, V., Lange, M., Dunckel, B., Krieger, J. (2017). Comparing Engagement Formats to Motivate Local Community Public Climate Change Action. NARST International Conference, San Antonio, TX, April 25, 2017.
- 2016 Rowe, S. M.\* , O'Brien, S. R.\*, Farley, M., East, J., Good, L., **Stofer, K. A.** (2016). Ciberlaboratório: usando observação humana e cibertecnologias para a pesquisa sobre aprendizagem por livre escolha (Cyberlaboratory: Using Human Observation and Cyber Technologies for Research on Free-Choice Learning). In Massarani, L., Neves, R., Amorim, L. (eds.). Divulgação científica e museus de ciências: O olhar do visitante - Memórias do evento. Rio de Janeiro. <http://www.redpop.org/wp-content/uploads/2015/06/O-olhar-do-visitante-WEB.pdf>
- 2016 Stubbs, E.\* Myers, B., **Stofer, K.**, Warner, L., & Barrick, R. K. (2016). Facilitating interdisciplinary teaching and learning in agriculture. NACTA International Conference. Honolulu, HI, June 23, 2016.
- 2016 **Stofer, K. A.** (2016). The Future of Citizen Science in eXtension. eXtension National Conference. San Antonio, TX.
- 2013 *Filippini-Fantoni, S.\**, *Jaebker, K.*, Bauer, D.\*, & Stofer, K.\* (2013). Capturing visitors' gazes: Three eye tracking studies in museums. In N. Proctor & R. Cherry (Eds.), *Museums and the Web 2013*. Silver Spring, MD: Museums and the Web. <http://mw2013.museumsandtheweb.com/paper/capturing-visitors-gazes-three-eye-tracking-studies-in-museums/>
- 2012 Stofer, K. (2012). Understanding expert and novice meaning-making from global data visualizations. Journées Hubert Curien International Conference on Science Communication Paper. <http://www.jhc2012.eu/index.php/en/workshops-11am-to-12-30pm>
- 2012 Stofer, K. A. (2012). Improving global ocean data visualizations by understanding expert and novice meaning-making, Presented at the Journées Hubert Curien International Conference on Science Communication, Nancy, France, September 6, 2012.
- 2012 Stofer, K. A. (2012). Video recording and playback for stimulated recall in a science center. Presented at the 6<sup>th</sup> International Conference on Multimodality, London, UK, August 23, 2012.
- 2011 Stofer, K. A.\*, and Rowe, S. (2011). Adult ocean literacy and learning at the magic planet. Presented at National Marine Educators Association Conference, Boston, MA.
- 2011 Stofer, K. A.\*, and Rowe, S. (2011). Visitor meaning-making with global spherical data visualizations. Presented at the Oregon Academy of Sciences Annual Meeting, Portland, OR.

### Presentations in Panels/Related Paper Sets

- 2019 **Stofer, K. A.** (2019). Science Centers and other Informal Education Institutions have

- 2019 Opportunities to Highlight Agriculture and Current STEM. Panel presentation in “Exhibits: Building Partnership for Incorporating Agriculture and Cutting-Edge Science into Public Garden Exhibits” at the American Public Gardens Association Food and Agriculture Community’s Celebrating Crop Diversity: Connecting Agriculture, Public Gardens, and Science symposium. Des Moines, IA. April 4, 2019. **Stofer, K. A.\***, Anthony, L., Schuman, C., Neff, H., Chang, P., Soni, N., Darrow, A., Luc, A., Morales, A., Alexandre, J., Kirkland, B. (2019). Investigating scientific practices from NGSS and informal science learning settings during meaning-making from global spatial data visualizations. Poster presentation in “Illuminating Strategies that Support Science and Engineering Practices in Informal Settings” at NARST International Conference. Baltimore, MD. April 2, 2019.
- 2019 **Stofer, K. A.** (2019). How do we design for and produce evidence of engagement with and learning from data visualization? Presentation in “Technology Enhanced Informal STEM Learning” panel at National Science Foundation Advancing Informal STEM Learning Principal Investigators’ Meeting. Alexandria, VA. Feb. 12, 2019.
- 2019 Bokor, J., **Stofer, K. A.\***, Koroly, M. J., Jones, M., Price, C., Guimaraes, S. (2019). Personal Meaning Mapping Assessment for Interdisciplinary Emerging Pathogens Professional Development. Roundtable presentation at Association for Science Teacher Education, Savannah, GA. January 4, 2019.
- 2018 **Stofer, K. A.** (2018). talk science with me, Panel presentation in “Results from Expected and Unexpected Encounters” at the Science Festival Alliance Science Events Summit. St. Petersburg, FL, June 5, 2018.
- 2016 **Stofer, K. A.** (2016). Science Centers and Other Informal Education Institutions also reference “Agriculture” Sparingly ... for now. American Public Gardens Association Conference. Miami, FL, June 9, 2016.
- 2015 **Stofer, K. A.\***, and Newberry III, M. G.\* (2015). Do they See a Connection? Public Definitions of Science and Agriculture. Presented in NARST related paper set: “Ag-STEM: Re-Emphasizing Agriculture Connections with STEM for Contextualized Teaching and Learning,” Chicago, IL, April 14, 2015.
- 2014 **Stofer, K. A.** (2014). Experts aren’t perfect, and novices aren’t perfectly awful. Presented in: “Who learns from whom in science communication, education, and outreach?” related paper set at the NARST annual conference, Pittsburgh, PA, April 1, 2014.
- 2013 *Filippini-Fantoni, S.\**, *Jaebker, K.\**, Bauer, D.\*, Stofer, K.\* (2013). Capturing visitors’ gazes: Three eye tracking studies in museums. Joint paper presented at Museums and the Web Conference, Portland, Oregon, April 18, 2013.

## Posters Presented

- 2019 **Stofer, K. A.** (2019). Novel methods of public engagement benefit scientists and public. E-Poster presented at the American Association for the Advancement of Science Annual Meeting. Washington, DC. February 17, 2019.
- 2019 **Stofer, K. A.**, Anthony, L. (2019). Touch Interaction for Data Engagement with Science on Spheres. Electronic poster presented at the National Science Foundation Advancing Informal STEM Learning Principal Investigators’ Meeting. Alexandria, VA. February 12, 2019.
- 2017 **Stofer, K.A.**, Rumble, J. N., & Randolph, L. (2017). The Role of Communication: Facilitation of Agriculture Awareness through Agritourism. Poster presented at the Association for Communication Excellence (ACE) Annual Meeting, New Orleans, LA.

- June 15, 2017.
- 2017 Prysby, M., Clyde, M., Eberhardt, A., & **Stofer, K. A.** (2017). Untapped: Accessing Cooperative Extension to Strengthen Connections Between Citizen Science and Community Decision-Making. Citizen Science Association conference, St. Paul, MN. May 18-19, 2017.
- 2017 Colclasure, B., **Stofer, K. A.**, Stubbs, E., & Albrecht, D. (2017). Aquatic Invasive Species Professional Development Improves Teacher Environmental Attitudes and Perceived Knowledge Long-term. Southern Region of the American Association of Agricultural Education. Mobile, AL. Feb. 7, 2017.
- 2017 Schiebel, T. M.\*, & **Stofer, K. A.\*** (2017). Experience in Agriculture and Worldview May Influence Public Opinion. Southern Region of the American Association of Agricultural Education. Mobile, AL. Feb. 7, 2017.
- 2016 Keown, H.\* & **Stofer, K. A.**, (2016). Regional Sustainable Agriculture: Who's in the Network and What Does Sustainability Mean to Them? Poster presentation at Rural Sociological Society. Toronto, Canada. August 9, 2016.
- 2016 DeConna, R.\* **Stofer, K.A.\***, and Telg, R.\* (2016) Teaching Science through a Video Production Course. Poster Presentation at North American Colleges and Teachers of Agriculture. Honolulu, HI. June 25, 2016.
- 2016 **Stofer, K. A.\***, and Keown, H. (2016). Understanding Needs and Networks of Regional Sustainable Food Producers. Poster presentation at American Association of Agricultural Education. Kansas City, MO. May 19, 2016.
- 2016 **Stofer, K. A.** (2016). Integrating First-Year Undergraduates into Research Experiences. Poster presentation at Envisioning the Future of Undergraduate STEM Education. Washington, DC. April 28, 2016.
- 2016 **Stofer, K. A.\***, & Wolfe, T. (2016). Extension Faculty Lack Systematic Training in Outreach. Interactive Poster Presentation at NARST, Baltimore, MD. April 15, 2016. *Acceptance rate 71.6%.*
- 2015 **Stofer, K.\***, Boamah, M., & Spakes-Richter, B. (2015). Science Identity among Non-Science Majors: Target Populations for Enhancing STEM Diversity? Poster presented at NARST Basu Equity and Diversity Scholars Poster Session, Chicago, IL. April 13, 2015.
- 2014 **Stofer, K.** (2014). Visualizing data for stakeholders from varying backgrounds. Poster presented at the University of Florida Center for Remote Sensing Fall Symposium, Gainesville, FL, Nov. 11, 2014.
- 2014 **Stofer, K.** (2014). Marrying education and neuroscience methods illuminates expert-novice meaning-making differences from a scientific visualization. Poster presented at the NARST annual conference, Pittsburgh, PA, March 31, 2014.
- 2014 **Stofer, K.** (2014). Visualizing data for stakeholders from varying backgrounds. Poster presented at the University of Florida Water Institute, Gainesville, FL, Feb. 11, 2014.
- 2014 Harrod, C.\* & **Stofer, K.\*** (2014). Finding Agriscience in Museums: Agriculture Exhibits and Their Role in Relation to STEM at Science Museums. Poster presented at the Southern Rural Sociological Association Annual Meeting, Dallas, TX, Feb. 4, 2014.
- 2012 **Stofer, K.** (2012). Understanding Expert and Novice Meaning-Making from Global Data Visualizations Using Interviews and Eye-tracking. Digital poster presented at the Geological Society of America Annual Conference, Charlotte, NC, November 4, 2012.
- 2012 **Stofer, K.** (2012). Exploring customization and continuity through technology in science center exhibits. Poster presented at the Oregon Sea Grant Scholars Symposium, Corvallis, OR, October 8, 2012.

- 2012 *Best Poster Award* Stofer, K. (2012). Improving global scientific data visualizations for communication by understanding scientists' and non-scientists' meaning-making. Poster presented at the Hatfield Marine Science Center Markham Research Symposium, Newport, OR, May 14, 2012.
- 2011 Stofer, K.\*, Barthel, C., & Rowe, S. (2011). ISEI visitors need support to understand current scientific research presented in data visualizations on 3-D global projection systems. Poster presented at Gordon Research Conference on Visualization in Science and Education, Smithfield, RI.

### Panelist

- 2018 Going Where the People Are, Science Festival Alliance Science Events Summit, St. Petersburg, FL, June 5, 2018

### Discussant

- 2015 Paper Session Moderator, Engagement Scholarship Consortium Conference, 2015  
2014 Designing Science Competitions to Promote 21st Century Student Outcomes, NARST, Pittsburgh, PA, March 30, 2014

### INTERNAL PRESENTATIONS

- 2018 UF Librarians Institute Research Panel, panelist, Nov. 28, 2018
- 2017 *Food Evolution* documentary screening, pre-screening Panelist, Science Communication, June 30, 2017
- 2017 Community Chats: Public Dialogues on Climate Change and Public Health, UF Department of Agricultural Education and Communication Research Symposium, Feb. 17, 2017.
- 2016 Research Opportunities in STEM and Health Outreach, Multicultural Alliance of Pre-Health Students, University of Florida, November 30, 2016.
- 2015 Research Opportunities in STEM and Health Outreach, Multicultural Alliance of Pre-Health Students, University of Florida, October 21, 2015.
- 2015 Career Opportunities in Translational Communication, panel with Lisa Malone and Anne Donnelly, College of Journalism, University of Florida, September 16, 2015.
- 2014 From Academics to Industry: A Roundtable Discussion on Preparing for Careers in Translational Communication, with Lisa Malone, College of Journalism, University of Florida, October 29, 2014.
- 2014 Research Opportunities in STEM Education, Multicultural Alliance of Pre-Health Students, University of Florida, October 15, 2014.
- 2014 Visualizing your research: Helping others understand what you do through posters and presentations. Graduate Student Research Day Forum, University of Florida, Oct. 9, 2014.
- 2013 Creating and Adapting Visualizations to Support Audience Meaning-Making. (2013). Seminar presented to Agricultural Education and Communication Department, University of Florida, Gainesville, FL, September 20, 2013.
- 2013 Visualizations, visualizers, and visualizees: A communication puzzle. Presented at the Hatfield Marine Science Center Markham Awards, Newport, OR, June 19, 2013.
- 2013 Studying experts' and novices' meaning-making from data visualizations for communication. Seminar presented at Hatfield Marine Science Center, Newport, OR, February 14, 2013.

- 2013 Volunteers, Visualizations, and Visitors: Helping Non-Experts Make Meaning from Data. Presented to Hatfield Marine Science Center Volunteer Training seminar, Newport, OR, May 14, 2013.
- 2012 What's with the cameras in the Visitor Center? Or: how the Free-choice Learning Lab is harnessing technology to understand how people learn. Seminar presented at Hatfield Marine Science Center, Newport, OR, June 28, 2012.

## TEACHING EXPERIENCE

### University of Florida

#### Undergraduate Courses

Multimedia Exhibit Design, Developer and Instructor, Spring 2018

Designed and led a special topics course for students to produce a slides-based exhibit for Nature Coast Biological Station incorporating UF Institute for Sustainable Food Systems research

#### Online Certificate Program

Cultivating Community Change: Certificate Program in Social Marketing, Developer, 2015

<http://gardeningsolutions.ifas.ufl.edu/clce/socialmarketing/>

### Oregon State University

#### Graduate Courses

Physical Dimensions of Free-Choice Learning *Online*, Teaching Assistant, Spring Term 2012,

Instructor, Spring Term 2015

*Student evaluations 2015:*

“I really enjoyed how Katie brought a unique angle of expertise to the course with speakers that I didn't expect ... outdoor urban planning and technology.”

“Please continue the collaborative aspect between students. This proved to be valuable and increased the quality of work and understanding of some quite difficult publications and concepts.”

-Overall course evaluation 5.3/6, University median 5.0

Communicating Ocean Science to Informal Audiences, Teaching Assistant, Winter Term 2011

#### Undergraduate Courses

Introduction to Science Education and Outreach, Instructor Fall/Winter Terms 2009, Fall Term 2011

Projects in Science Outreach, Teaching Assistant, Spring Term 2010

### California Institute of Technology

#### Undergraduate Courses

Principles of Biology, Undergraduate Teaching Assistant, Spring Term 1998

#### Guest Presenter/Facilitator

2019 Research Creativity (Introductory course on research opportunities for undergraduates)

*Guest presenter and panelist, July 16, 2019*

2019 Effective Oral Communication (undergraduate)

*Guest Presenter, Public Engagement with Science, April 9, 2019, University of Florida*

- 2018 Effective Oral Communication (undergraduate)  
*Guest Presenter, Public Engagement with Science, November 13, 2018, University of Florida*
- 2018 Communicating Science (Geography Department, undergraduate)  
*Guest Presenter, Data Visualization and Public Engagement with Science, November 5, 2018, University of Florida*
- 2018 Research@UF (Introductory course on research opportunities for undergraduates)  
*Guest Instructor, Qualitative research, October 31, 2018, University of Florida*
- 2018 Virtual Reality for Social Good (undergraduate)  
*Client, Meet a scientist, Fall semester 2018, University of Florida*
- 2018 Issues in Pest Management (graduate)  
*Guest presenter, Public engagement, May 25, 2018, University of Florida*
- 2018 Research@UF (Introductory course on research opportunities for undergraduates)  
*Guest presenter and panelist, Public Engagement research, July 18, 2018*
- 2018 Effective Oral Communication (undergraduate)  
*Guest Presenter, Public Engagement with Science, March 2018, University of Florida*
- 2018 Undergraduate Research Experience (College of Education course)  
*Faculty Mentor, 2 students, public engagement with science research, Spring 2018, University of Florida*
- 2018 Communicating about Agricultural and Natural Resources Research (graduate)  
*Guest presenter, Public Engagement with Science, Online course recorded lecture, University of Florida*
- 2017 Effective Oral Communication (undergraduate)  
*Guest Presenter, Public Engagement with Science, October 31, 2017, University of Florida*
- 2017 Effective Oral Communication (undergraduate)  
*Guest Presenter, Public Engagement with Science, July 6, 2017, University of Florida*
- 2017 Plant Pathology Colloquium on Oral Communication (graduate)  
*Guest Presenter, Public Engagement with Science, April 6, 2017, University of Florida*
- 2016 Research@UF (Introductory course on research opportunities for undergraduates)  
*Guest Instructor, Qualitative Research, July 27, 2016, University of Florida*
- 2014, 2015 Delivering Educational Programs in Agricultural Settings  
*Guest Facilitator, Nov. 24, 2015, Nov. 18, 2014, University of Florida*
- 2014 Communication Campaign Strategies for Agricultural & Life Sciences  
*Guest Presenter, Public Definitions of Agriculture and Science, Oct. 30, 2014, University of Florida*
- 2014 Practicum in Sustainability and the Built Environment  
*Guest Instructor, Exhibit Design and Evaluation, Sept. 11, 2014, University of Florida*
- 2014 Designing Educational Programs in Agricultural Settings  
*Guest Instructor, Design Trends and Issues in Various Settings, Jan. 26, 2014, University of Florida*
- 2012 Information Systems in Agriculture  
*Guest Instructor, Visualizing Data for Outreach, April 24, 2012, Oregon State University*

## WORKSHOP PRESENTATIONS

## Workshops Designed and Presented

2017, 2018, 2019 Collaborative Curriculum Design for Invasive Species Education. Three-day University of Florida workshop for Florida high school teachers. With L. Flory, D. Albrecht, K. Walters. July 2017, 2018, 2019. 36 teachers total.

## Individual Workshop/In-Service Training Presentations

2019 Florida Agritourism. Dec. 9-10, 2019. UF/IFAS Emerging Agricultural Enterprises Summit

2019 What Employers Want: Building a Marketable Curriculum and Student Buy-In, with B. Spakes-Richter. August 13, 2019. UF/IFAS CALS Teaching Enhancement Symposium

2018 Floridians' desire to experience farms: A statewide strategic plan for agritourism in Florida, with J. Rumble. January 18, 2018. UF/IFAS Center for Public Issues and Education Easy as PIE webinar

2017 Florida Agritourism Opportunities. Oct. 2, 2017. Florida Agriculture Network meeting

2017 What Consumers Want and How to Market Your Operation. Sept. 26, 2017. UF/IFAS Extension Central Florida Agritourism Workshop

2017 New models for urban and rural public engagement. April 18, 2017. UF/IFAS Extension faculty professional development symposium

2016 Agriculture awareness at the county level: Resources and expertise to increase awareness, with L. Johnson, September 29, 2016, Extension Professionals Association of Florida

2015 Building the Excitement of Science Inquiry into Extension Youth Programs... with K. Blyler, H. Kent, G. Bender, and J. Levings, Sept. 1, 2015, Extension Professionals Association of Florida

2015 Intentional Light-bulb Moments, with H. Kent, K. Blyler, G. Bender, Jan. 21, 2015, *Florida 4-H Youth Development Institute*

2014 Designing Presentations and Posters for Effective Learning, October 9, 2014, *University of Florida*

2014 Effective Outreach, with K. Pounds, September 17, 2014, *University of Florida*

2013 Better Presentations for Learning, with S. Rowe, April 16, 2013, *Oregon Institute of Marine Biology/Hatfield Marine Science Center Graduate Student Exchange*

2012 Communicating the Broader Impacts of Your Research Using Visual Tools, with S. Rowe, Feb. 22, 2012, *Ocean Sciences Meeting, Salt Lake City, UT*

2008 Teaching Science - Inquiry and Content for Teachers in Grades 4-9. April 5, 2008, *Maryland Science Center, Baltimore, MD*

2004 - 2009 Teacher Thursdays, Monthly, *Maryland Science Center, Baltimore, MD*

## ADDITIONAL EDUCATION AND EXTENSION PROGRAMS

2015 - 2019 talk science with me, Extension program pairing faculty for outreach in community spaces (libraries, bars, coffeehouses, laundromats), Developer, Outreach Workshop Presenter, and Coordinator. *Thrice annually, Gainesville and Alachua County, FL*

2018 Public Engagement with Science, 3 videos. AmpliComm Plant Science Research Network MOOC, <https://community.plantae.org/path/5021261538967684604/discussion/5017520867307947543/about-amplicom>

2016 - 2017 Community Chats: Public and Expert Dialogues on Climate Change and Public Health



- in North Central Florida, Developer and Coordinator. *Oct. 2 and Dec. 5, 2016, Gainesville, FL and online stream, WUFT-TV PBS Broadcast Feb. 12 and 19, 2017.*
- 2016 Changing Climate and Our Health, Museum panel exhibit installed at the Florida Museum of Natural History, Gainesville, FL. Lead Content Developer, with Lundgren, L., Dunckel, B. A., James, V., & Lange, M.
- 2007 - 2009 Science on a Sphere™ live general visitor and school group (grades 3-12) presentations on general Earth Science and hurricanes. *Presented daily, Maryland Science Center, Baltimore, MD*
- 2007 - 2009 SciGirls Summer Camp and monthly enrichment program for middle-school girls, Developer and Presenter for Earth Science, *Maryland Science Center, Baltimore, MD*
- 2004 - 2009 School programs on geology, weather, energy efficiency, invasive species for grades 3-12. Developer and presenter. *Maryland Science Center, Baltimore, MD*

### ADDITIONAL RESEARCH EXPERIENCE

- 2011 - 2013 *ISE Cyberlaboratory - Exploring Customization and Continuity, NSF DRL Grant 1114741*  
Graduate Research Assistant, Hatfield Marine Science Center/Oregon Sea Grant
- 2009 - 2013 *Salmon Population Forecast exhibit, Northwest Fisheries Science Center Grant*  
*Discover Earth: An Innovative Technology Program for Libraries and their Communities, NSF DRL Grant*  
*Science on a Sphere™ Evaluation, NOAA Office of Education Grant*  
Exhibit Designer and Evaluator, Graduate Research Assistant, Hatfield Marine Science Center
- 2010 - 2011 *Algebra in Context, Math and Science Partnerships, U.S. Department of Education Grant*  
Graduate Research Assistant, Oregon State University

### SERVICE TO THE PROFESSION

- Diversity and Inclusion Committee, AAEE Strategic Planning, 2019  
Reviewer, *Biotropica*, 2019  
Reviewer, *Science Education*, 2014, 2018, 2019  
Reviewer, *Journal of Applied Communication*, 2018, 2019  
Reviewer, *Journal of Science Education and Technology*, 2012, 2016, 2018  
Reviewer, *Journal of Eye Movement Research*, 2015, 2018  
Reviewer, AAEE conference proposals, 2018  
Reviewer, *Journal of Geoscience Education*, 2017, 2018  
Reviewer, AAEE-SR conference proposals, 2017, 2018  
Research and Evaluation Working Group, Citizen Science Association, 2016 - present  
Reviewer, *Nature Climate Change*, 2016, 2017  
Article Guest Editor, *SAGE Open*, 2016  
Panel and Discussion Session Facilitator, Reducing Barriers in Publishing Data to the Water Quality Portal: Enabling Data Sharing for States, Tribes, Citizen Scientists, Volunteers, and Other Local Groups, National Water Quality Monitoring Conference 2016. Tampa, FL. May 3, 2016  
Facilitator, Cornell Lab of Ornithology eBird Citizen Science for Florida 4-H workshop, Ocala, FL. January 2016  
Reviewer, *Journal of Science Education and Technology*, 2012, 2016  
National Science Foundation Grant Reviewer, 2015, 2017  
Reviewer, *Journal of Eye Movement Research*, 2015

Presentation Proposal Reviewer, American Association for Agricultural Education Conference, 2015  
Team Member, UF-IFAS Extension Initiative 1, Priority 3: Ag Awareness, 2013 - present  
Lead, UF Ag-STEM Learning Lab Goal 3: STEM Integration, 2013 - 2017  
Advisory Board, National Center for Earth-surface Dynamics (Univ. of Minnesota), 2014  
Session Presider, NARST, 2014  
Poster Session Reviewer, American Association for Agricultural Education - Southern Region, 2013  
Poster Session Reviewer, NARST, 2013  
Koshland Science Museum Advisory Group, June 2012 - July 2013  
Hatfield Marine Science Center Exhibit Team, May 2012 - June 2013  
Poster Session Reviewer, National Marine Education Association, April 2012

### **DEPARTMENT/UNIVERSITY**

Innovation Catalyst Competition Judge, August 3, 2018  
4-H Equity and Diversity Committee, 2017 - present  
Internal Hatch project proposal review, 2017  
Internal Electronic Document Information Service (EDIS) review, 2014 - present  
University of Florida Minority Mentorship Program Mentor, 2015 - present  
Agricultural Education and Communication Department Online Learning Committee, 2013 - present  
Florida Opportunity Scholars Life Coach, 2013 - 2015  
Poster Judge, Graduate Research Day, University of Florida, 2013  
Hatfield Students Organization Webmaster, 2012 - 2013  
National Ocean Sciences Bowl Salmon Bowl Judge, Oregon State University, 2012  
Science and Math Investigative Learning Experiences High School Challenge (OSU) presenter, 2012  
"Discovering the Scientist Within" Career Speaker, OSU workshop for middle-school girls, 2011  
Student Tenure committee, OSU Department of Science and Mathematics Education, Winter 2011  
Coalition of Graduate Employees Health Insurance Action Committee, Fall 2010 - June 2013  
Oregon State University Women's Center board member, Fall 2010 - June 2013  
Coalition of Graduate Employees Department Representative, Fall 2009 - June 2013  
Caltech Kappa Gamma "Gnome Club" Alumni Service Fraternity, 1997 - present

### **COMMUNITY SERVICE**

MentorNet.net Online Mentor, November 2008 - present  
American Federation of Teachers - Oregon, Vice President, June 2011 - June 2013  
American Red Cross Blood Drive Registration/Canteen Volunteer, June 2010 - June 2013

### **STUDENT MENTORING**

#### **Graduate advisor**

Kirsten Hecht, PhD, Wildlife Ecology and Conservation. Public engagement among herpetologists. Defense Spring 2020. Chair.

#### **Graduate Committee service (\*indicates I funded this student)**

Dehlia Albrecht, PhD, Agricultural Education and Communication. Project TBD. Defense anticipated 2022. Committee member.

Nikita Soni, PhD, Computer Science. Touchscreen interfaces and learning. Defense anticipated

December 2021. Committee member.

Hoda Manafian, PhD, Tourism, Recreation, and Sport Management. Spatial and Consumer Analysis of Agritourism in Florida. Defense anticipated Spring 2020. Committee member.

David Hanson, PhD, School of Forest Resources and Conservation. Processes and pathways of public engagement activities undertaken by land-grant university faculty. Defense July 3, 2019. Committee member.

*Current position: Evaluation Coordinator, UF/IFAS Extension Family Nutrition Program*

\*Tracee Schiebel, MS, Agricultural Education. Public Perceptions of Agriculture, Science, Agricultural Education, and Science Education. Defense January 2017. Committee member.

*Current position: Education Coordinator, Florida Agriculture in the Classroom*

### **Postdoctoral scholars supervised**

\*Dr. Carrie Schuman, PhD, Touch interactions for data engagement with science on spheres, January 2019 - May 2019

*Current position: Visiting Faculty, Coastal Carolina University*

\*David Faulkner, UC Berkeley Environmental Chemistry, food system game development and research, June 2018 - February 2019

*Current position: Postdoctoral researcher, Berkeley Lab*

### **Current student research and outreach assistants (\*indicates I funded this student)**

Jude Flynn - Geoscience Education and Outreach statistics research, October 2019 - present

Scott Shanbom - CATALySES teacher focus group analysis, October 2019 - present

Gabriela Canel - CATALySES teacher personal meaning maps, October 2019 - present

Ashley Trevino - Collaborative Curriculum Design for Invasive Species Education personal meaning maps, August 2019 - present

\*Joseph Watts, MS student, College of Education, Collaborative Curriculum Design for Invasive Species Education teacher interviews, May 2019 - present

Elisabeth Schneider, undergraduate, Touch interactions for data engagement with science on spheres research, May 2019 - present

Ailish Tierney, undergraduate, Touch interactions for data engagement with science on spheres research, May 2019 - present

Mingyin Zhu, undergraduate, Geoscience Education and Outreach research, March 2019 - present

James Rujimora, MS student, College of Education, talk science with me public engagement research, June 2018 - present

Danielle Sblendorio, undergraduate and post-baccalaureate researcher, talk science with me public engagement research, August 2017 - present

Melissa Cuero, undergraduate and post-baccalaureate researcher, talk science with me public engagement, May 2017 - present

### **Undergraduate theses advised**

Katherine Malyszek, undergraduate, Science identity in global leadership certificate students, Aug. 2017 - May 2019

Hallie Odell, undergraduate, Agritourism research and honors thesis student, Aug. 2016 - May 2019

\*Rachel DeConna, undergraduate, talk science event planning intern and honors thesis student, May 2015 - Dec. 2015

### **Former graduate research assistants**

\*Carrie Schuman, PhD student, School of Natural Resources and Environment, Touch interactions for data engagement with science on spheres, July 2017 - August 2018

David Faulkner, PhD student, UC Berkeley Environmental Chemistry, food system game development and research, March 2017 - December 2017

\*Brittani Kirkland, MS student, College of Agriculture and Life Sciences, TIDESS Data Visualization, January 2017 - May 2017

\*Kelli Selwyn, MS student, College of Public Health, graduate research assistant, Community Chats grant, August 2016 - Sept. 2016

\*Lisa Lundgren, PhD student, College of Education, graduate research assistant, Community Chats grant, May 2016 - Dec. 2016

\*Tracee Schiebel, MS student, College of Agriculture and Life Sciences, graduate research assistant, Rosaceae Database grant, Aug. 2015 - Dec. 2016

\*Heather Keown, MS student, College of Agriculture and Life Sciences, graduate research assistant, Who's Connected? Grant, Oct. 2015 - September 2016

\*Makenna Lange, PhD student, College of Agriculture and Life Sciences, graduate research assistant, Community Chats grant, Jan. 2016 - August 2016

\*Vaughan James, MS student, College of Journalism and Communications, graduate research assistant, Community Chats grant, Jan. 2016 - April 2016

Milton Newberry, III, PhD student, College of Agriculture and Life Sciences, volunteer research assistant, Personal Meaning Maps, Aug. 2013 - Aug. 2015

\*Kacie Pounds, MS student, College of Agriculture and Life Sciences, outreach assistant, UF Space Plants Lab contract, June 2014 - August 2014

Christie Harrod, MS student, College of Agriculture and Life Sciences, volunteer research assistant, Agriculture terms in Science Museums, August 2013 - June 2014

Jessica Gouldthorpe, PhD candidate, College of Agriculture and Life Sciences, volunteer research assistant, Personal Meaning Maps, August 2013 - December 2013

### **Former undergraduate outreach assistants**

Megan Lundequam, outreach intern, talk science with me, June 2019 - Oct. 2019

\*Nicki Baldwin, outreach intern, Who's Connected/Community Chats, June 2016 - Oct. 2016

Cheyenne Hoover, event planning intern, talk science with me, June 2016 - August 2016

Sarah Edison, talk science with me event promotion volunteer, Dec. 2015 - April 2016

\*Alec Figueroa, outreach intern, Who's Connected grant, March 2016 - June 2016

\*Alex Lucas, outreach assistant, UF Space Plants Lab contract, April - June 2015

### **Former undergraduate research assistants**

Stephanie Insalaco, undergraduate, GEO program student interview data analysis, August 2018 - August 2019

\*Madison Jones, undergraduate, CCDISE/CATALySES teacher professional development research and IRB protocol development, May 2017 - August 2019

Julia Cousineau, undergraduate, Collaborative Curriculum Design for Invasive Species Education research, May 2019 - August 2019

Iris Irby, Collaborative Curriculum Design for Invasive Species Education research, October 2019 -

June 2019

Minaa Omar, Collaborative Curriculum Design for Invasive Species Education research, October 2019 - May 2019

\*Hannah Neff, Touch interactions for data engagement with science on spheres, August 2017 - May 2019

Justin Childers, food system game development and research, May 2017 - February 2019

\*Eryn Hall, undergraduate, Geoscience Data Visualization surveys, January 2017 - August 2018

Stephanie Guimaraes, CCDISE Teacher Professional Development research, January 2017 - August 2018

Caitlin Price, CCDISE Teacher Professional Development research, January 2017 - August 2018

Peter Chang, Touch interactions for data engagement with science on spheres, June 2017 - May 2018

Natalie Del Rocco, Science Identity surveys, January 2016 - May 2018

William Remley, talk science with me public engagement, May 2017 - May 2018

\*Annie Luc, TIDESS (with L. Anthony), Oct. 2014 - December 2017

Savanna Thomason, Santa Fe College undergraduate, Geoscience data visualization interviews, January 2017 - December 2017

Cathey Williams, Santa Fe College undergraduate, Geoscience data visualization interviews, January 2017 - December 2017

Diego Sanchez, Santa Fe College undergraduate, Geoscience Data Visualization surveys, January 2016 - August 2017

Meghana Tatenini, Science Identity Interviews/talk science with me research/Geoscience Engagement and Outreach statistical analysis, January 2016 - August 2017

Brigitte Wodrich, Evaluation of oral science communication course, August 2017 - September 2017

Olivia Roche, public perceptions of genetic engineering for food, August 2017 - September 2017

Katherine Malyszczek, Science identity interviews, January 2016 - August 2017

Celeste Hurley, science anxiety survey, October 2014 - July 2017

Esther Duquaney, talk science with me research, May 2016 - July 2017

Gabriela Gaudier, talk science with me research, January 2016 - January 2017

Molly Nyren, Science Identity Interviews, January 2016 - December 2016

\*Jeffrey Honeycutt, Santa Fe College undergraduate, Geoscience Data Visualization surveys, January - July 2016

\*Devin Johnson, Santa Fe College undergraduate, Geoscience Data Visualization surveys, January - June 2016

Jenny So, science identity, August 2015 - December 2015

Christina Rios, agriscience informal education resources, Jan. 2014 - August 2015

Caitlin Price, food education programs, January 2015 - May 2015

Marilyn Boamah, science identity, October 2013 - June 2015

Akshaya Nataraj, Barnard College undergraduate, personal meaning maps, June - August 2014

Caelen Schreiber, personal meaning maps, May - August 2014

Michael D'Angelo, personal meaning maps, January - May 2014

Julian Neves, statistics assistance, January - May 2014

Brandi Johnson, personal meaning maps, January - March 2014

Vivian Chiang, personal meaning maps, September 2013 - December 2013

### **AFFILIATIONS/MEMBERSHIPS**

American Association for the Advancement of Science 2016 - present

NARST 2012 - present

American Association for Agricultural Education 2013 - present  
International Network on Public Communication of Science and Technology  
Science on a Sphere Users Group, National Oceanic and Atmospheric Administration  
Geological Society of America 2012 - 2018  
Citizen Science Association (founded 2015) 2015 - 2017  
National Association of Geoscience Teachers 2016 - 2017  
American Educational Research Association (previous)  
Association of Living History, Farm, and Agricultural Museums (previous)

### **PERSONAL PROFESSIONAL DEVELOPMENT**

University of Florida First Year Faculty Teaching Academy, Fall 2018  
Emerging Engagement Scholars Workshop, Fall 2015  
Empowering Women in Technology Startups, Spring 2015