

Christina L. Kwapich

CURRICULUM VITAE

PROFESSIONAL APPOINTMENTS

- 2020 – present **Assistant Professor**
Department of Biological Sciences
University of Massachusetts Lowell
- 2015 – 20 **Postdoctoral Fellow**
School of Life Sciences, Social Insect Research Group
Arizona State University
Research Advisor: Bert Hölldobler

EDUCATION

- 2008 – 14 **Ph.D., Ecology and Evolution**
Department of Biological Science
Florida State University
Research Advisor: Walter R. Tschinkel
- 2003 – 07 **B.S., Entomology**
Department of Entomology
The Ohio State University
Research Advisors: Susan C. Jones

TRAINING

- 2016 **Workshop on Architecture and Collective Behavior**
Tempe, AZ
- 2012 **Sable Systems, Respirometry Course,**
Las Vegas, NV
- 2010 - 2011 **National Science Foundation Integrated Training in Biology and Society**
Graduate Fellow, Department of Biological Science, Florida State University
- 2009 **California Academy of Sciences, Ant Course**
AMNH Southwestern Research Station, Portal, AZ
- 2011– 2014 **Graduate Research Assistant** with Walter R. Tschinkel
Department of Biological Science, Florida State University
- 2008– 2011 **Teaching Assistant**, The Ohio State University, EEOB Dept.
Department of Biological Science, Florida State University
- 2002-2003 **Missouri Botanical Garden**, Sophia M. Sachs Butterfly House
Entomology Assistant, Guest Services Attendant

RESEARCH

PEER-REVIEWED PUBLICATIONS

- Hölldobler B, **Kwapich CL** (In press, 2022). The Guests of Ants: How myrmecophiles interact with their hosts (Book). **Belknap Imprint of Harvard University Press**, Cambridge, MA. ISBN-13:9780674265516, 542 pages.
- Lundgren*[‡] EJ, Moeller K, Cline* M, Mahoney* SM, **Kwapich CL** (2022). Apache Cicada nymphs as a dominant food source for desert-dwelling black bears (*Ursus americanus*) along a Sonoran Desert river. **Ecology and Evolution**. E8577, DOI:10.1002/ece3.8577
- Kwapich[‡] CL** (2021) Green Anole (*Anolis carolinensis*) eggs associated with nests of the trap jaw ant, *Odontomachus brunneus*. **Southeastern Naturalist**. 20(4):119-124, doi:10.32942/osf.io/jw7rn.
- Kwapich[‡] CL**, Hölldobler B (2019). Destruction of spiderwebs and rescue of ensnared nestmates by the granivorous desert ant *Veromessor pergandei*. **The American Naturalist**. 194(3):395-404. <https://doi.org/10.1086/704338>
- Hölldobler[‡] B, **Kwapich CL** (2019). Behavior and exocrine glands in the myrmecophilous beetle *Dinarda dentata* (Gravenhorst, 1806) (Coleoptera: Staphylinidae: Aleocharinae). **PLoS ONE** 14(1): e0210524.
- Kwapich[‡] CL**, Valentini G, Hölldobler B (2018). Non-additive effects of body-size on nest architecture in a polymorphic ant species. **Philosophical Transactions of the Royal Society B**. 373:1753. doi: 10.1098/rstb.2017.0235
- Hölldobler[‡] B, **Kwapich[‡] CL**, Haight K (2018). Behavior and exocrine glands of the myrmecophilous beetle *Lomechusoides strumosus* (Fabricius, 1775) (Formerly *Lomechusa strumosa*) (Coleoptera: Staphylinidae: Aleocharinae). **PLoS ONE**. 13(7): e0200309.
- Hölldobler B[‡], **Kwapich[‡] CL** (2017). *Amphotis marginata* (Coleoptera: Nitidulidae), a highwayman of the ant *Lasius fuliginosus*. **PLoS ONE** 12(8): e0180847. <https://doi.org/10.1371/journal.pone.0180847>
- Kwapich[‡] CL**, Gadau J, Hölldobler B (2017). The ecological and genetic basis of annual worker production in the desert seed harvesting ant *Veromessor pergandei*. **Behavioral Ecology and Sociobiology**. 71: 110. <https://doi.org/10.1007/s00265-017-2333-1>
- Tschinkel[‡] WR, **Kwapich CL** (2016). The Florida harvester ant, *Pogonomyrmex badius*, relies on germination to consume large, high value seeds. **PLoS ONE** 11(11): e0166907. <https://doi.org/10.1371/journal.pone.0166907>
- Kwapich[‡] CL**, Tschinkel, WR (2016). Limited flexibility and unusual longevity shape forager allocation in the Florida harvester ant (*Pogonomyrmex badius*). **Invited** for special issue on integrative analysis of division of labor, **Behavioral Ecology and Sociobiology**. 70(2): 221-235. <https://doi.org/10.1007/s00265-015-2039-1>
- Tschinkel[‡] WR, Rink WJ, **Kwapich CL** (2015). Sequential subterranean transport of excavated sand and foraged seeds in nests of the harvester ant, *Pogonomyrmex badius*. **PLoS ONE**. 10(10): doi.org/10.1371/journal.pone.0139922

Mason KS, **Kwapich CL**, Tschinkel WR[‡] (2015). Respiration, worker body size, tempo and activity in whole colonies of ants. *Physiological Entomology*. 40: 149–165. [doi:10.1111/phen.1209](https://doi.org/10.1111/phen.1209)

Kwapich[‡], CL (2014). Adaptive labor allocation in the Florida harvester ant (*Pogonomyrmex badius*). **Doctoral dissertation**. Retrieved from Florida State University digital repository, http://purl.flvc.org/fdu/fdu/FDU_migr_etd-9203

Gibson*[‡] AH, **Kwapich CL**, Lang* M (2013). The Roots of Multilevel Selection Theory: Concepts of Biological Individuality in the Early Twentieth Century. *History and Philosophy of the Life Sciences*. 35(4): 505-532.

Rink[‡] WJ, Dunbar JS, Tschinkel WR, **Kwapich CL**, Repp A, Stanon W, Thulman DK (2013). Subterranean transport and deposition of quartz by ants in sandy sites relevant to age overestimation in optical luminescence dating. *Journal of Archaeological Science*. 40(4): 2217-2226. <https://doi.org/10.1016/j.jas.2012.11.006>

Kwapich[‡] CL, Tschinkel WR (2013). Demography, demand, death and the seasonal allocation of labor in the Florida harvester ant (*Pogonomyrmex badius*). *Behavioral Ecology and Sociobiology*. 67(12): 2011 – 2027. <https://doi.org/10.1007/s00265-013-1611-9>

Tschinkel[‡] WR, Murdock* T, King JR, **Kwapich CL** (2012). Ant distribution in relation to ground water in north Florida pine flatwoods. *Journal of Insect Science*. 12(1): 114. [doi:10.1673/031.012.11401](https://doi.org/10.1673/031.012.11401)

OTHER INDEXED PUBLICATIONS

Kwapich CL (2022). Do parasitic ant crickets (Myrmecophilidae) mimic ant gasters? *Metaleptea*. 42(1) 27. **Conference Proceedings**

Gibson AH, **Kwapich CL**, Lang M. (2018) Chapter One, *Multilevel Selection and the Theory ..of Evolution: Historical and Conceptual Issues*. Edited by Ciprian Jeler. Palgrave Pivot Publishing, XI:1-151, ISBN 978-3-319-78676-6. **Book Chapter**

INVITED OPINIONS

Kwapich CL (2021), Meet the New Subject Editors. *Myrmecological News Blog*, <https://blog.myrmecologicalnews.org/2021/02/18/meet-new-subject-editors-of-myrmecological-news/>

Kwapich, CL (2019). Ant colonies benefit when nestmates get tangled. *American Society of Naturalists Forthcoming Papers Blog*, <https://www.amnat.org/an/newpapers/Sep-Kwapich.html>

Kwapich CL (2018), How to dissect a superorganism. *Myrmecological News Blog*, <https://blog.myrmecologicalnews.org/2018/09/27/how-to-dissect-a-superorganism/>

Kwapich CL (2018), How ants stock their seed pantries. *AntWeb Ant Blog*, www.antweb.org/antblog/2012/12/when-do-harvester-ants-gather-food-before-winter-javier.html

FUNDING SOURCES

- 2021 University of Massachusetts Lowell **SEED grant**, “Nanopore sequencing to support faculty collaboration in genomics research and teaching at UMass Lowell.” PIs: Jessica Garb, Christina Kwapich, Mathew Gage, Freddy Chain
- 2018 **Western North American Naturalist (WNAN) Grant**, “Identity and function of black yeasts in the nest architecture of the velvety tree ants (*Liometopum*)” PI: Christina Kwapich, Co-PI: Jeffrey Sosa-Calvo
- 2017 ASU **Research Training Initiative Grant**, Fostering Postdoctoral Research in the Life Sciences, “Identity and function of black yeasts in the nest architecture of the velvety tree ants (*Liometopum*)” PI: Christina Kwapich, Co-PI: Jeffrey Sosa-Calvo
- 2015 **ASU Postdoctoral Fellowship**
- 2013 **National Science Foundation Doctoral Dissertation Improvement Grant** (NSF DDIG “Stable isotopes reveal the dietary basis of seasonal lifespan plasticity in the Florida harvester ant *Pogonomyrmex badius* (IOS-1311473)”)
- 2010 **National Science Foundation Integrated Training in Biology & Society** Graduate Fellow “Bridging the two cultures: History and philosophy of ecology and evolutionary biology (SES0724686)” Faculty PIs: T. Miller, F. Davis
- 2009 FSU Department of Biological Science, **Robert B. Short Scholarship in Zoology -**
- 2004 **National Science Foundation Research Experience for Undergraduates** (NSF REU “Natural history of *Leptothorax minutissimus*, a social parasite of the acorn ant, *L. curvispinosus* IOS-0321898”) Faculty PI: J. Herbers
- 2003 **The Ohio State University Biological Sciences Scholar’s Community Grant**
- 2003 **National Buckeye PLUS** Merit Scholarship, The Ohio State University (4-year out of state tuition waiver)

ACADEMIC HONORS

- 2018 Postdoctoral finalist, Arizona State University Knowledge Mobilization Impact Award, “Ant ecology in motion: Connecting local citizens with parallel societies in the soil”
- 2014 Inductee, Florida State University Society of Fellows
- 2010 Nominee, FSU Outstanding Teaching Assistant Award
- 2010 First Place, Behavioral Ecology Section, Student Competition for the President’s Prize, National meeting of the Entomological Society of America, San Diego, CA

INVITED DEPARTMENTAL SEMINARS

1. **Christina Kwapich** (2021). A tug-of-war between worker size and colony size in a desert seed harvesting ant, University of North Carolina, Pembroke
2. **Christina Kwapich** (2021), Faculty Bio-Blast: The Guests of ants. Department of Biological Sciences, University of Massachusetts Lowell, MA, USA
3. **Christina Kwapich** (2018), The ecological consequences of social organization. Department of Biological Sciences, University of Massachusetts Lowell, MA, USA
4. **Christina Kwapich** (2018), Causes and consequences of social organization in ants. University of Waikato, Hamilton, New Zealand
5. **Christina Kwapich** (2018), From polymorphism to landscape level-patterns of desert soil bioturbation. School of Natural Resources and Environment, University of Arizona, Tucson, AZ
6. **Christina Kwapich** (2018), Linking worker phenotypes to nest architecture, rescue behavior and parasite load in ant societies. Department of Entomology, The Ohio State University, Columbus, OH
7. **Christina Kwapich** (2014). Development, death, and division of labor in a seed harvesting ant. Social Insect Research Group, School of Life Sciences, Arizona State University Tempe, AZ
8. **Christina Kwapich** (2013). Seasonal labor allocation in the Florida Harvester Ant. Department of Biological Science, Florida State University, Tallahassee, FL

CONFERENCE PRESENTATIONS

9. **Christina Kwapich** (2021). Do parasitic ant crickets (Myrmecophilidae) mimic ant gasters? 30-min **Invited Keynote** talk: Small Orders, Big Ideas (Polyneoptera), Entomological Society of America Annual Meeting, Denver, CO
10. **Christina Kwapich** (2020). The use of pine resin and lichen in subterranean ant nests. Entomological Society of America Annual Meeting (virtual talk)
11. Katrin Kellner, **Christina Kwapich**, (2020). Microbiomes of Harvester Ants - Do Ants use Biological Control to protect their Seed Deposits? Entomological Society of America Annual Meeting (virtual poster)
12. **Christina Kwapich** (2020). Profesora en la Mirmecología. 30-min **Invited Keynote** talk: Ibero-American Symposium on Myrmecology (virtual)
13. **Christina Kwapich**, Garbiele Valentini, Bert Hölldobler (2018). The non-additive effects of body size on nest architecture in a polymorphic ant, *Veromessor pergandei*, **Invited** for conference symposium on social insect ecophysiology across scales, IUSI International Congress, Guarujá, SP, Brazil.
14. **Christina Kwapich**, Robert Johnson, Bert Hölldobler (2018). Ant colonies as islands: How host species traits alter size and life history in generalist ant crickets (Orthoptera: Myrmecophilidae) **Invited** for conference symposium on causes and consequences of ant body size, IUSI International Congress, Guarujá, SP, Brazil.

15. **Christina Kwapich**, Bert Hölldobler (2017). Destruction of spider webs and rescue of ensnared nestmates by foragers of the desert seed harvesting ant *Veromessor pergandei*. Entomological Society of America Annual Meeting, Denver, CO
16. **Christina Kwapich**, Jürgen Gadau, Bert Hölldobler (2016). Ecological and genetic basis of annual worker production in *Veromessor pergandei*. International Congress of Entomology, Orlando, FL
17. **Christina Kwapich**, Walter Tschinkel, Jack Rink (2016). Sequential caching of sand and seeds in nests of the Florida harvester ant. International of Congress of Entomology, Orlando, FL
18. **Christina Kwapich** and Bert Hölldobler (2015). Behavioral interactions of the harvester ant *Veromessor pergandei* & three nest-associated spiders. Entomological Society of America Annual Meeting, Minneapolis, MN
19. **Christina Kwapich** (2015). Aging in a seed harvesting ant: Demography, diet, infection and the annual cycle. Complex Biological Systems that Link Disease, Parasites, and Nutrient Ecology, Conference on Complex Systems, Tempe, AZ
20. **Christina Kwapich** (2015). A life table approach to modeling annual worker production in the FL harvester ant. Entomological Society of America Annual Meeting, Portland, OR
21. **Christina Kwapich** (2014). Neighbor removal increases forager longevity, slows progression through temporal castes (*P. badius*). **Invited** conference talk for integrated analyses of division of labor, International Congress IUSI, Cairns, Australia
22. **Christina Kwapich**, Walter Tschinkel (2013). Meddling neighbors induce an untimely end for foragers of the Florida harvester ant, *Pogonomyrmex badius*. Entomological Society of America Annual Meeting, Austin, TX
23. **Christina Kwapich** (2013). How to assemble a *Pogonomyrmex badius* colony from the bottom up, cookie shovel and wire required. Natural History as Insight and Inspiration Symposium, Tallahassee, FL
24. **Christina Kwapich**, Walter R. Tschinkel (2012). The Influence of Demand, Demography and Death on Labor Economics in the Florida Harvester Ant (*Pogonomyrmex badius*). International Union for the Study of Social Insects North American Section Meeting, Greensboro, NC.
25. **Christina Kwapich**, Walter R. Tschinkel (2011). Seasonal worker demography shapes colony-level labor allocation in the Florida harvester ant (*Pogonomyrmex badius*). **Invited** conference talk for symposium on insect demography, emerging concepts and applications. Entomological Society of America Annual Meeting, Reno, NV
26. **Christina Kwapich**, Walter R. Tschinkel (2010). Annual patterns of forager allocation in the FL harvester ant (*Pogonomyrmex badius*). Entomological Society of America Annual Meeting, Student Competition for the President's Prize, San Diego, CA * **Awarded first prize for best student talk**
27. **Christina Kwapich**, Walter Tschinkel (2009). The organization and allocation of foragers in the Florida harvester ant (*Pogonomyrmex badius*). Entomological Society of America Annual Meeting, Indianapolis, IN

28. **Christina Kwapich**, Susan C. Jones (2006). Termite (Isoptera) Caste differentiation in response to spatial separation from the reproductive female. Denman Undergraduate Research Forum, Columbus, OH
29. **Christina Kwapich**, Susan C. Jones, Nicola T. Gallagher (2006). Spatial dynamics of neotenic of *Reticulitermes flavipes* (Isoptera: Rhinotermitidae): male preference and ideal females. Entomological Society of America Annual Mtg., Indianapolis, IN
30. Joan M. Herbers, **Christina Kwapich** (2004). Dysfunctional families in the insect world. Coalition for National Science Funding, Washington DC (Poster)

TEACHING AND MENTORING

INSTRUCTOR

- 2022 **Behavioral Ecology** (BIOL.4360), University of Massachusetts Lowell
- 2022 **Graduate Behavioral Ecology** (BIOL.5360), University of Massachusetts Lowell
- 2021 **Entomology** (BIOL.4550), University of Massachusetts Lowell
- 2021 **Graduate Entomology** (BIOL.5550), University of Massachusetts Lowell
- 2021 **Entomology Laboratory** (BIOL.4550L) University of Massachusetts Lowell
- 2021 **Graduate Entomology Laboratory** (BIOL.5550L) Uni. of Massachusetts Lowell
- 2021 **Behavioral Ecology** (BIOL.5360), University of Massachusetts Lowell
- 2021 **Graduate Behavioral Ecology** (BIOL.5360), University of Massachusetts Lowell
- 2020 **Senior Seminar** (BIOL.5360), University of Massachusetts Lowell
- 2018 Co-Instructor, **Ants of the Southwest** (10-day field course), American Museum of Natural History, Southwestern Research Station

TEACHING ASSISTANTSHIPS

- 2010 Graduate Teaching Assistant, **Experimental Biology**, Florida State University
- 2010 Graduate Teaching Assistant, **Animal Behavior**, Florida State University
- 2009 Graduate Teaching Assistant, **Insect Biology**, Florida State University
- 2009 Graduate Teaching Assistant, **Animal Behavior**, Florida State University
- 2008 Graduate Teaching Assistant, **Experimental Biology**, Florida State University
- 2008 Undergraduate Teaching Assistant, **Biology 101 for Non-Majors**, The Ohio State University

GUEST LECTURES

- 2021 **Freshman Seminar**, Department of Biological Sciences, University of Massachusetts Lowell
- 2020 **Freshman Seminar**, Department of Biological Sciences, University of Massachusetts Lowell,
- 2019 **Entomology**, School of Life Sciences, Arizona State University, 2019
- 2018 **Urban Entomology**, Department of Entomology, The Ohio State University
- 2017 **Bio-inspired design**, Biomimicry Innovation Space, School of Design, Arizona State University
- 2014 **Ecology**, Department of Biological Science, Florida State University
- 2014 **Social Insect Biology**, Osher Lifelong Learning Institute, Florida State
- 2013 **Animal Behavior**, Department of Biological Science, Florida State University
- 2012 **Florida Geology and Natural History**, Tallahassee Community College
- 2011 **Environmental Science**, Department of EOA Science, Florida State University
- 2010 **Animal Behavior**, Department of Biological Science, Florida State University
- 2010 **Insect Biology**, Department of Biological Science, Florida State University
- 2009 **Insect Biology**, Department of Biological Science, Florida State University

STUDENT RESEARCH MENTORING

PhD Student

- 2020 – present **Hoon Kang** (UMass Biological Sciences)
Dissertation Project: “Adaptive nest architecture in ants”

MS Project Student

- 2021-22 **Jennifer Ingraham** (UMass Biological Sciences)
MS Project: “Tactile mimicry in the parasitic ant cricket, *Myrmecophilus pergandei*”

Honors Thesis Student

- 2021 – present **Roman Meneghini** (UMass Biological Sciences)
Thesis Project: “Seed storage and malting of ant bread by the granivorous ant, *Pheidole pilifera*”

Undergraduate Research Students

- 2022 Kelsie Belanger, UMass Biological Sciences
- 2019 Connor Mcleod, ASU School of Life Sciences
- 2019 Melissa Griffin, ASU School of Life Sciences
- 2019 Chris Schwartze, ASU School of Life Sciences
- 2017-18 Yocha DeChavez, SOLUR, ASU School of Life Sciences
- 2015 Brian Pickens, ASU School of Life Sciences

SERVICE

UNIVERSITY SERVICE

2021	Riverhawk Scholars Academy, women in STEM Film Panel: <i>Picture a Scientist</i> .
2020	NSF WAVES, Women Faculty in STEM focus group
2020 – present	Undergraduate course advising,
2020 – present	Graduate Program Committee (GPEC), Biological Sciences
2020 – present	Department Website and Building Committee, Biological Sciences
2020 – present	Ecology, Evolution and Organismal Biology Pathway working group, Biological Sciences
2020 – present	Open house events, recruitment events, graduation ceremonies departmental colloquium host (4 guest speakers)
2003- 05	Insectary volunteer, The Ohio State University

PROFESSIONAL SERVICE

Society Service

2022	Society President, North American Section of the International Union for the Study of Social Insects (IUSSI-NAS)
2021	President Elect, North American Section of the International Union for the Study of Social Insects (IUSSI-NAS)
2021	Judge, student talks, Entomological Society America Annual Meeting
2019	Awards Committee Co-Chair, International Union for the Study of Social Insects (IUSSI-NAS)
2017-19	Awards Committee Member (elected), International Union for the Study of Social Insects (IUSSI-NAS)
2014,15	Session Moderator, Behavior and Ecology, Entomological Society of America Annual Meeting

Panels and Events

2021	“Getting the job” alumni panelist , organized for postdocs at Arizona State University entering the academic job market.
2021	“Getting a postdoc” alumni panelist , organized for graduate students from Arizona State University seeking postdoc positions.
2020 -21	Presenter, UML open houses, Spring into Science events, lab tours
2018 -21	Panelist, ASU School of Life Sciences graduate and postdoc retreats/panels

- 2015-16 **Presenter**, Arizona State University Night of the Open Door, Social Insects of Arizona
- 2015 **Meeting Co-organizer**, ASU/Würzburg Social Insect Research International Conference

Journals and Grants

- 2021 **Ad hoc reviewer** NSF-IOS grant proposal
- 2020 **Ad hoc reviewer** USDA-NIFA grant proposal
- 2020 - present **Subject Editor** for the journal *Myrmecological News* (6-manuscripts handled)

JOURNAL PEER REVIEWS

Nature, The American Naturalist, The Journal of Experimental Biology, Arthropod Structure and Function, Animal Behaviour, Behavioral Ecology and Sociobiology, Ecological Entomology, Isreal Journal of Entomology, BMC Evolution, Insectes Sociaux, Ecological Entomology, Journal of Economic Entomology, Annals of the Entomological Society of America, Evolution Letters, Ecology and Evolution, PALAIOS, Revista Brasileira de Entomologia, Royal Society Open Science

PUBLIC OUTREACH

- 2021 **Natural History Hike**, UML undergraduate Biology Club, Groton, MA
- 2021 **Lowell High School Lab Visit**, UML campus, Lowell, MA
- 2019 **EEB Mentor Match Program**, proofreading application materials for graduate school, and proposals for underrepresented applicants of the NSF GRFP.
- 2018 **Guest educator**, *Ants and Grasshoppers*, New Vistas Center for Education, Phoenix, AZ
- 2016 **Science panelist**, Phoenix ComiCon, *Adventures and Disasters in Science!* Phoenix, AZ
- 2016 **Public lecture**, Society for Conservation Biology, *Ant colonies as ecosystems*, Tempe, AZ
- 2013 **Exhibit co-organizer**, Scientific Illustration Exhibit: *Systems of the soil*
- 2013,14 **Webmaster**, Friends of the Apalachicola National Forest, Tallahassee, FL
- 2012,13 **Public lecture**, Waterworks Tallahassee Science Salon, Tallahassee, FL
- 2013 **Public lecture**, McClay High School, Tallahassee, FL
- 2012 **Public lecture**, E.O. Wilson Biophilia Center, Freeport, FL
- 2010 -14 **Guest Educator**, B. L. Perry Jr. Branch Library, children's science camp, Tallahassee, FL
- 2009 -14 **Judge**, Capital Regional Science and Engineering Fair (Grades 6 -12), Tallahassee, FL
- 2007 **Science Olympiad Coach**, Entomology section (Grades 6-8). Fr. Co., OH

PROFESSIONAL MEMBERSHIPS

- International Union for the Study of Social Insects, North American Section
- The Entomological Society of America
- Animal Behavior Society
- American Arachnological Society
- Cambridge Entomological Club

CONSULTING WORK

- 2016 **Entomological Consultant**, Roni Horn art exhibit, Glenstone Museum of Contemporary Art, on site: Baltimore, MD
- 2016 **Entomologist**, Madrean Discovery Expedition, GreaterGood.org Cananea Copper Mine, Sierra Elenita, Sonora, Mexico
- 2011 **Manuscript Fact Checker**, Marshall Cavendish Benchmark Publishers
- 2010 **Entomological Consultant**, Roni Horn art exhibit, Whitney Museum of Modern Art, on site: New York, NY

MEDIA

APPEARANCES AND CONTRIBUTIONS

1. Get ready for Brood XIV (2021), *Marblehead Reporter* newspaper interview by Wendall Waters
2. Ants, Tales from the underground (2019), *Science VS Podcast*, by Gimlet Media.
3. Episode 5 (2016). *Nature Nurture Podcast*, interviewed by Dr. Hongmei Li-Byarlay
4. Ant Course Presents: Mark-Recapture Technique (2015), filmed at the Southwestern Research Station, featuring Christina Kwapich and Walter Tschinkel, by Adrian A. Smith
5. Secrets of the Longleaf Pine Forest documentary (2005), PBS, appearance in *Pogonomyrmex badius* featurette
6. Hidden systems of the soil exposed, featured artist in scientific illustration exhibit, Tallahassee Museum, 2013
7. Dirty Secrets: Hidden systems of the soil exposed, featured artist in scientific illustration exhibit, Renditions Art Gallery, 2013
8. Deadly 60 BBC, Season 3, Episode 19, Florida, appearance in ant featurette
9. Wake up St. Louis, NBC 5, presenter for the Missouri Botanical Garden, Butterfly House

PRESS COVERAGE (SELECTED)

1. The Guests of Ants: How Myrmecophiles Interact with Their Hosts, By Hölldobler B, and Kwapich CL. **Editorial Reviews:**
<https://www.hup.harvard.edu/catalog.php?isbn=9780674265516&content=reviews>
2. Rescue Ants Save the Day for Comrades Tangled in Silk (2019). **Nature**. 569, 603
<https://www.nature.com/articles/d41586-019-01601-z> (coverage of *Amer. Nat.*, 2019)
3. Buehler J (2019). Watch an ant rip apart a spider web: Desert harvester ants charge into danger and dismantle spider traps. **Science**. <https://www.science.org/content/article/watch-ant-rip-apart-spiderweb-rescue-sibling>
(coverage of *American Naturalist*, 2019)
4. Seckel S (Jul 2018), Building a better ant castle. **ASU Now**, <https://asunow.asu.edu/20180725-discoveries-building-better-castle-asu-ant-study> (coverage of *Philosophical Transactions of the Royal Society B.*, 2018)
5. Bates M (Sept 2017), Highwayman beetles rob ants of the food in their stomachs. **New Scientist**, <https://www.newscientist.com/article/2146057-highwaymen-beetles-rob-ants-of-the-food-in-their-stomachs/> (coverage of *PLoS ONE*, 2017)
6. Seckel S (Aug 2017), “The dangerous game of the highwayman beetle. **ASU Now**, https://asunow.asu.edu/20170818-discoveries-asu-researchers-beetles-deceives-ants?utm_campaign=SFMC_Now+8-21-17_ASU+Now&utm_medium=email (coverage of *PLoS ONE*, 2017)
7. Frost N (Aug 2017), The Beetle That Goes Undercover to Steal From Foraging Ants: The high-risk, high-return antics of the parasitic highwayman beetle. **Atlas Obscura**, <http://www.atlasobscura.com/articles/highwayman-beetle-ant-colonies-attack-parasite>
(coverage of *PLoS ONE*, 2017)
8. Seckel S (Jul 2017), Digging into the harsh world of ants. **ASU Now**, https://asunow.asu.edu/20170720-discoveries-asu-researcher-ants-brutal-life?utm_campaign=SFMC_Now+7-21_17_ASU+Now&utm_medium=email (coverage of *Behavioral Ecology and Sociobiology*, 2017)
9. Simičević V (2016), Harvester ants farm by planting seeds to eat once they germinate. **New Scientist**, <https://www.newscientist.com/article/2117953-harvester-ants-farm-by-planting-seeds-to-eat-once-they-germinate/> (coverage of *PLoS ONE*, 2016)
10. A walk in the woods with Ed Wilson. **Research in Review**, http://rinr.fsu.edu/issues/2009summer/cover01_d.asp (coverage of *Journal of Insect Science*, 2012)