

## CORRIE S. MOREAU

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Cornell University  
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Born: New Orleans, Louisiana; U.S. Citizen

## RESEARCH INTERESTS

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Ecology and evolution of symbiosis; macroevolution; social insect evolution; host-microbe interactions; speciation and evolutionary diversification; evolution of gut microbiota; biogeography; phylogenetics/phylogenomics; molecular clocks and divergence dating; biodiversity genomics; ant-plant mutualisms; entomology; comparative biology; microbiomes.

## POSITIONS

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### Cornell University

(2023 - present) **CALS Senior Associate Dean of Diversity, Equity, and Inclusion**, Cornell University, College of Agriculture and Life Sciences (CALs), Ithaca, NY.

(2019 - present) **Martha N. and John C. Moser Endowed Professor of Arthropod Biosystematics and Biodiversity**, Cornell University, Departments of Entomology and Ecology & Evolutionary Biology, Ithaca, NY.

(2019 - present) **Director and Head Curator of the Cornell University Insect Collection**, Cornell University, Ithaca, NY.

### Previously

(2017 - 2018) **Robert A. Pritzker Director of the Integrative Research Center**, Field Museum of Natural History Department of Science and Education, Chicago, IL.

(2014 - 2018) **MacArthur Associate Curator/Professor (tenured)**, Field Museum of Natural History, Department of Science and Education, Chicago, IL.

(2008 - 2014) **Assistant Curator/Professor (tenure-track)**, Field Museum of Natural History Department of Science and Education, Chicago, IL.

(2008 - Present) **Scientific Affiliate & Lecturer**, University of Chicago Committee on Evolutionary Biology & Biological Sciences Division, Chicago, IL.

(2007 - 2008) **Miller Postdoctoral Fellow**, University of California, Berkeley Integrative Biology / Environmental Science, Policy & Management Departments.

## EDUCATION

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(2003 - 2007) **Ph.D. – Harvard University**

Organismic and Evolutionary Biology. Dissertation project on the evolution and diversification of ants. Advisors: Drs. Naomi E. Pierce and Edward O. Wilson.

(2000 - 2003) **M.Sc. – San Francisco State University / California Academy of Sciences**

Biology, Ecology and Systematics. Master's thesis project on the molecular phylogeny of Dracula ants. Advisors: Drs. Greg S. Spicer and Brian L. Fisher.

(1996 - 2000) **B.S. – San Francisco State University**

Biology, Zoology concentration, Entomology emphasis.

## **AWARDS AND HONORS**

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Fellow of the Royal Entomological Society (FRES). 2021.

Cornell Graduate Diversity & Inclusion Faculty Champion Award. 2021.

Fellow of the Entomological Society of America. 2020.

Fellow of the American Association for the Advancement of Science (AAAS). 2018.

National Geographic Women of Impact 2018:

<https://www.nationalgeographic.com/science/2018/07/ants-evolution-corrie-moreau-women-in-biology/>

Sigma Xi (The Scientific Research Honor Society) elected full member. 2018.

Kavli Fellow of the National Academy of Sciences, USA. 2016.

National Geographic Explorer – National Geographic Society. 2014.

Included by the United Nations Biodiversity Secretariat of the Convention on Biological Diversity in “22 Biodiversity Scientists Who Have Made An Impact For Nature” 2022:

<https://www.cbd.int/idb/activities/22items-scientists.pdf>

Included in "15 Brilliant Women Bridging the Gender Gap in Science" 2015: <http://guff.com/15-brilliant-women-bridging-the-gender-gap-in-science>

Included in "10 Women Scientists You Should Follow on Twitter" 2014: <http://discover.com/en/article/10-women-scientists-you-should-follow-on-twitter>

Distinguished Visiting Scholar – James Cook University, Townsville, Queensland, Australia in the Center for Tropical Biodiversity and Climate Change. January – February 2013.

Miller Fellow at the University of California, Berkeley. Miller Institute of Basic Research in Science Postdoctoral Research Fellow. 2007–2008.

Featured in the following books:

*Letters to a Young Scientist* by Edward O. Wilson (2013)

*Curators: Behind the Scenes of Natural History Museums* by Lance Grande (2017)

*Animal Allies: 15 Amazing Women in Wildlife Research* by Elizabeth Pagel-Hogen (2022)

Genera and Species named after Corrie Moreau:

*Corrieopone* – ponerine ant genus

*Strumigenys moreauviae* – trap-jaw ant species

*Ophiocordyceps corriemoreaue* – zombie fungus species that infects the giant turtle ant

*Glyptapanteles corriemoreaue* – parasitic braconid wasp species

## **PUBLICATIONS**

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(120 publications; 6646 citations; 43 H-index; ORCID author ID: 0000-0003-1139-5792)

+ = Postdoc co-author; \* = Graduate student co-author; \*\* = Undergraduate student co-author

### **Peer-Reviewed**

- 1) Flynn, P. J. \* & **Moreau, C. S.** (2024). Viral diversity and co-evolutionary dynamics across the ant phylogeny. In press at *Molecular Ecology*.
- 2) Suissa, J. S.+, Li, F.-W. & **Moreau, C. S.** (2024). Convergent evolution of fern nectaries facilitated independent recruitment of ant-bodyguards from flowering plants. *Nature Communications* 15: 4392. DOI: 10.1038/s41467-024-48646-x

- 3) Cabuslay, C., Wertz, J. T., Bechade, B., Hu, Y., Braganza, S., Freeman, D., Pradhan, S., Mukhanova, M., Powell, S., **Moreau, C. S.** & Russell, J. A. (2024) Domestication and evolutionary histories of specialized gut symbionts across cephalotine ants. In press at *Molecular Ecology*. DOI: 10.1111/mec.17454
- 4) Suissa, J. S.+, De La Cerda, G. Y., Graber, L. C.\*, Jelley, C.\*, Wickell, D., Phillips, H. R., Grinage, A. D., **Moreau, C. S.**, Specht, C., Doyle, J. & Landis, J. B. (2024). Data driven guideline for phylogenomic analysis using SNP data. In press at *Applications in Plant Sciences*.
- 5) Koenig, P. A.\* & **Moreau, C. S.** (2024). *Temnothorax longispinosus* acorn ant colonies respond to parasitic raids by emigrating. *Insectes Sociaux* 71: 149-155. DOI: 10.1007/s00040-024-00957-4
- 6) Reese, C. M.\*\* , Graber, L. C.\* , Ramalho, M. O.+ & **Moreau, C. S.** (2024) The diversity of *Wolbachia* across the turtle ants (*Cephalotes*). *Biology* 13: e121. DOI: 10.3390/biology13020121
- 7) Barkdull, M.\* & **Moreau, C. S.** (2023). Worker reproduction and caste polymorphism impact genome evolution and social genes across the ants. *Genome Biology and Evolution* 15(6): 1-24. DOI: 10.1093/gbe/evad095
- 8) Koenig, P. A.\* & **Moreau, C. S.** (2023). Testing optimal defense theory in a social insect: Increased raid risk is correlated with increased venom investment. *Ecological Entomology* 49:235-244: 1-10. DOI: 10.1111/een.13295
- 9) Jelley, C.\* & **Moreau, C. S.** (2023). Aggressive behavior across ant lineages: Importance, quantification, and associations with trait evolution. *Insectes Sociaux* (2023). DOI: 10.1007/s00040-023-00931-6
- 10) Béchade, B., Cabuslay, C. S., Hu, Y., Mendonea, C. M., Hassanpour, B., Lin, J. Y., Su, Y., Fiers, V. J., Anandarajan, D., Lu, R., Olson, C. J., Duplais, C., Rosen, G. L., **Moreau, C. S.**, Aristilde, L., Wertz, J. T. & Russell, J. A. (2023). Physiological and evolutionary contexts of a new symbiotic species from the nitrogen-recycling gut community of turtle ants. *The ISME Journal* 2023: 1-14. DOI: 10.1038/s41396-023-01490-1
- 11) Barkdull, M.\* , Miller, C. R., Pipken, M. A. & **Moreau, C. S.** (2023) Natural history collections: What they are and why we need them? *Frontiers for Young Minds* 11: Article 1048608. DOI: 10.3389/frym.2023.1048608
- 12) Nelsen, M. P.+ , **Moreau, C. S.**, Boyce, C. K. & Ree, R. H. (2023). Macroecological diversification of ants is linked to angiosperm evolution. *Evolution Letters* 7(2): 79-87. DOI: 10.1093/evlett/quad008
- 13) Booher, D. B.+ , Gotelli, N. J., Nelsen, M. P.+ , Ohyama, L., Deyrup, M., **Moreau, C. S.** & Suarez, A. V. (2023). Six decades of museum collections reveal disruption of native ant assemblages by introduced species. *Current Biology* 33:1-7. DOI: 10.1016/j.cub.2023.03.044
- 14) Webb, J.\*\* , Graber, L.\* , Ramalho, M. O.+ & **Moreau, C. S.** (2023). Investigating the diversity of *Wolbachia* across the spiny ants (*Polyrhachis*). *Diversity* 15(3): 348. DOI: 10.3390/d15030348
- 15) Chanson, A.\* , **Moreau, C. S.** & Duplais, C. (2023). The impact of diet, nesting mode and host taxonomy in structuring microbial communities in Amazonian ants. *Diversity* 15(2): 126. DOI: 10.3390/d15020126
- 16) Gorneau, J. A.\*\* , Rayor, L. S. Rheims, C. A., & **Moreau, C. S.** (2023) Molecular, morphological, and life history data to support research of huntsman spiders (Araneae: Sparassidae). *Data in Brief* 46: 108885. DOI: 10.1016/j.dib.2023.108885

- 17) Ramalho, M. O.+ & **Moreau, C. S.** (2023). Untangling the complex interactions between turtle ants and their microbial partners. *Animal Microbiome* 5(1): 1-16. DOI: 10.1186/s42523-022-00223-7
- 18) Blanchard, B. D.\* & **Moreau, C. S.** (2022). Defensive spines are associated with large geographic range but not diversification in spiny ants (Hymenoptera: Formicidae: *Polyrhachis*). *Systematic Entomology* 1-13. DOI: 10.1111/syen.12578
- 19) Hu, Y., D'Amelio, C. L., Béchade, B., Cabuslay, C. S., Łukasik, P., Sanders, J. G., Price, S., Fanwick, E., Powell, S., **Moreau, C. S.** & Russell, J. A. (2022). Partner fidelity and environmental filtering preserve stage-specific turtle ant gut symbioses for over 40 million years. *Ecological Monographs* 93(1): e1560. DOI: 10.1002/ecm.1560
- 20) Graber, L. C.\*, Ramalho, M. O.+, Powell, S. & **Moreau, C. S.** (2022). Identifying the role of elevation, geography, and species identity in structuring turtle ant (*Cephalotes* Latreille, 1802) bacterial communities. *Microbial Ecology* 86: 1240-1253. DOI: 10.1007/s00248-022-02128-z
- 21) **Moreau, C. S.**, Darby, A. M., Demery, A.-J. C., Arcila Hernández, L. M. & Meaders, C. L. (2022). A framework for educating and empowering students by teaching about history and consequences of bias in STEM. Invited for a special DEI focused issue of *Pathogens and Disease* 80(1): 1-8. DOI: 10.1093/femspd/ftac006
- 22) de Oliveira, A. A., de Carvalho, A. E., Ramalho, M. O.+, **Moreau, C. S.**, Harakava, R. & Bueno, O. C. (2022). Exploring the diversity and potential interactions of bacterial and fungal endophytes associated with olive trees (*Olea europaea*) and their impact on herbivore preference. *Microbiological Research* 263: 127128. DOI: 10.1016/j.micres.2022.127128
- 23) Price, S. L.+, Blanchard, B. D.+, Powell, S., Blaimer, B. B. & **Moreau, C. S.** (2022). Phylogenomics and fossil data inform the systematics and geographic range evolution of a diverse Neotropical ant lineage. In an invited special issue of *Insect Systematics and Diversity* 6(1): 1–13. DOI: 10.1093/isd/ixab023
- 24) Greer, J. A.\* & **Moreau, C. S.** (2022). Phylogenetic analysis and trait evolution of ant cocoons. *Insect Systematics and Evolution* 53: 60-77. DOI: 10.1163/1876312X-bja10008
- 25) Gorneau, J. A.\*\*, Rheims, C. A., **Moreau, C. S.** & Rayor, L. S. (2022) Huntsman spider phylogeny informs evolution of life history, egg sacs, and morphology. *Molecular Phylogenetic and Evolution* 174: 107530. DOI: 10.1016/j.ympev.2022.107530
- 26) **Moreau, C. S.** & Ware, J. L. (2021). Fund natural-history museums, not de-extinction. *Nature* 598: 32. DOI: 10.1038/d41586-021-02710-4
- 27) Duplais, C., Sarou-Kanian, V., Massiot, D., Hassan, A., Perrone, B., Estevez, Y., Wertz, J. T., Martineau, E., Farjon, J., Giraudeau, P. & **Moreau, C. S.** (2021). Gut bacteria are essential for normal cuticle development in herbivorous turtle ants. *Nature Communications* 12: 676. DOI: 10.1038/s41467-021-21065-y
- 28) Grewe, F.+, Kronforst, M. R., Pierce, N. E. & **Moreau, C. S.** (2021). Museum genomics reveals the Xerces blue butterfly (*Glaucopsyche xerces*) was a distinct species driven to extinction. *Biology Letters* 17: 20210123. DOI: 10.1098/rsbl.2021.0123
- 29) Flynn, P. J.\*, D'Amelio, C., Sanders, J. G., Russell, J. A. & **Moreau, C. S.** (2021). Localization of bacterial communities within gut compartments across *Cephalotes* ants. *Applied and Environmental Microbiology* 87(8): e02803-20. DOI: 10.1128/AEM.02803-20
- 30) McKenzie, S. K., Winston, M. E.\*, Grewe, F., Vargas-Asensio, G., Rodriguez, N., Rubin, B. E. R.\*, Catalina, M., von Beeren, C., **Moreau, C. S.**, Suen, G., Pinto-Tomás, A. A., &

- Kronauer, D. J. C. (2021). The genomic basis of army ant chemosensory adaptations. *Molecular Ecology* 30: 6627-6641. DOI: 10.1111/mec.16198
- 31) Chanson, A.\*, **Moreau, C. S.** & Duplais, C. (2021). Assessing biosynthetic gene cluster diversity of specialized metabolites in the conserved gut symbionts of herbivorous turtle ants. *Frontiers in Microbiology* 12: 678100. DOI: 10.3389/fmicb.2021.678100
- 32) Gotelli, N. J., Booher, D. B., Urban, M. C., Ulrich, W., Suarez, A. V., Skelly, D. K., Russell, D. J., Rowe, R. J., Rothendler, M., Rios, N., Rehan, S. M., Ni, G., **Moreau, C. S.**, Magurran, A. E., Jones, F. A. M., Graves, G. R., Fiera, C., Burkhardt, U. & Primack, R. B. (2021). Estimating species relative abundances from museum records. *Methods in Ecology and Evolution* 00: 1-13. DOI: 10.1111/2041-210X.13705
- 33) Ramalho, M. O., Kim, Z.\*\*\*, Wang, S.\*\* & **Moreau, C. S.** (2021). *Wolbachia* across social insects: Patterns and implications. Invited paper in *Annals of the Entomological Society of America* 114(2): 206-218. DOI: 10.1093/aesa/saaa053
- 34) Marden, E., Abbott, R. J., Austerlitz, F., Ortiz-Barrientos, D., Baucom, R. S., Bongaerts, P., Bonin, A., Bonneaud, C., Browne, L., Buerkle, C. A., Caicedo, A. L., Cruzan, M. B., Davison, A., DeWoody, J. A., Drumbrell, A. J., Emerson, B. C., Fountain-Jones, N. M., Gillespie, R., Giraud, T., Hansen, M. M., Hodgins, K. A., Heuertz, M., Hirase, S., Hooper, R., Hohenlohe, P., Kan, N., C., Kelley, J. L., Kinzinger, A. P., McKenzie, V. J., **Moreau, C. S.**, Nazareno, A. G., Pelletier, T. A., Pemberton, J. M., Qu, Y., Renaut, S., Riginos, C., Rodriguez-Ezpeleta, N., Rogers, S. M., Russell, J. A., Schoville, S. D., Shi, S., Smith, M., Sork, V. L., Stone, G. N., Taberlet, P., Videvall, E., Waits, L., Warschefsky, E., Wayne, R. K., Whibley, A., Willoughby, J., Yoder, J. B., Zinger, L., Sibbett, B., Narum, S. & Rieseberg, L. H. (2021). Sharing and reporting benefits from biodiversity research. *Molecular Ecology* 30(5): 1103-1107. DOI: 10.1111/mec.15702
- 35) **Moreau, C. S.** (2020). Symbiosis among ants and microbes. Invited review for a special issue of *Current Opinion in Insect Science* 39:1-5. DOI: 10.1016/j.cois.2020.01.002
- 36) Ramalho, M. O. & **Moreau, C. S.** (2020). The evolution and biogeography of *Wolbachia* in ants (Hymenoptera: Formicidae). Invited for a special issue in *Diversity* 12: 426. DOI: 10.3390/d12110426
- 37) Martins, C. & **Moreau, C. S.** (2020). Influence of host phylogeny, geographical location and seed harvesting diet on the bacterial community of globally distributed *Pheidole* ants. *PeerJ* 8: e8492. DOI: 10.7717/peerj.8492
- 38) Ramalho, M. O., Martins, C. & **Moreau, C. S.** (2020) Myrmecology: Majority of females only within the colony. *Boletim do Museu Paraense Emilio Goeldi – Ciências Naturais* 15(1): 17-26. DOI: 10.46357/bcnaturais.v15i1.241
- 39) Blanchard, B. D.\*, Nakamura, A., Cao, M., Chen, S. T. & **Moreau, C. S.** (2020). Spine and dine: Foraging behavior, competitive dynamics, and predator-prey interactions support the escape-and-radiate hypothesis in spiny ants. *Ecology & Evolution* 10: 5852-5863. DOI: 10.1002/ece3.6322
- 40) Supriya, K.\*, Price, T. D. & **Moreau, C. S.** (2020). Competition with insectivorous ants as a contributor to low songbird diversity at low elevations in the eastern Himalaya. *Ecology & Evolution* 10: 4280-4290. DOI: 10.1002/ece3.6196
- 41) Ramalho, M. O., Gibson, J. C., Duplais, C., Orivel, J., Suarez, A. V. & **Moreau, C. S.** (2020). Development but not diet alters microbial communities in the Neotropical arboreal trap jaw ant *Daceton armigerum*: an exploratory study. *Scientific Reports* 10: 7350. DOI: 10.1038/s41598-020-64393-7

- 42) Birer, C., **Moreau, C. S.**, Tysklind, N., Zinger, L. & Duplais, C. (2020). Disentangling the sources of ant cuticular microbiota of two Amazonian ant species sharing a common arboreal nest. *Molecular Ecology* 29(7): 1372-1385. DOI: 10.1111/mec.15400
- 43) Reeves, D. D.\*\*, Price, S. L.+ , Ramalho, M. O.+ & **Moreau, C. S.** (2020). The diversity and distribution of *Wolbachia*, Rhizobiales, and *Ophiocordyceps* within the widespread Neotropical turtle ant, *Cephalotes atratus* (Hymenoptera: Formicidae). *Neotropical Entomology* 49: 52-60. DOI: 10.1007/s13744-019-00735-z
- 44) **Moreau, C. S.** (2020). "Intestinal symbionts" Pp. 520-523 in Encyclopedia of Social Insects. Starr, C. K. (Ed.). Springer Publishing Company. DOI: 10.1007/978-3-319-90306-4\_65-1
- 45) Borowiec, M., **Moreau, C.** & Rabeling, C. (2020). "Ants: Phylogeny and Classification" Pp. 52-69 in Encyclopedia of Social Insects. Starr, C. K. (Ed.). Springer Publishing Company. DOI: 10.1007/978-3-319-90306-4\_155-1
- 46) Reeves, D. D.\*\* & **Moreau, C. S.** (2019). The evolution of foraging behavior in ants. *Arthropod Systematics & Phylogeny* 77(2): 351-363. DOI: 10.26049/ASP77-2-2019-10
- 47) Pinheiro, H. T., **Moreau, C. S.**, Daly, M. & Rocha, L. A. (2019). Will DNA barcoding meet taxonomic needs? *Science* 365(6456): 873-874. DOI: 10.1126/science.aay7174
- 48) Supriya, K.\*, **Moreau, C. S.**, Sam, K. & Price, T. D. (2019). Global analysis of elevational gradients in arthropod abundance. *Frontiers in Biogeography* 11(2): e43104. DOI: 10.21425/F5FBG43104
- 49) Flynn, P. J.\* & **Moreau, C. S.** (2019). Assessing the diversity of endogenous viruses throughout ant genomes. *Frontiers in Microbiology* 10: 1139. DOI: 10.3389/fmicb.2019.01139
- 50) Probst, R. S., Wray, B. D., **Moreau, C. S.** & Brandão, C. R. F. (2019). A phylogenetic analysis of the dirt ants, *Basicerus* Schulz (Hymenoptera: Formicidae): Inferring life histories through morphological convergence. *Insect Systematics and Diversity* 3(4): 1-12. DOI: 10.1093/isd/ixz013
- 51) Kelly, M.\*\* , Price, S. L.+ , Ramalho, M. O.+ & **Moreau, C. S.** (2019). Diversity of *Wolbachia* associated with the giant turtle ant, *Cephalotes atratus*. *Current Microbiology* 76: 1330-1337. DOI: 10.1007/s00284-019-01722-8
- 52) Rubenstein, D. R., Ågren, J. A., Carbone, L., Hoekstra, H. E., Elde, N. C., Kapheim, K. M., Keller, L., **Moreau, C. S.**, Toth, A. L., Yeaman, S. & Hofmann, H. A. (2019). Coevolution of genome architecture and social behavior. *Trends in Ecology and Evolution* 34(9): 844-855. DOI: 10.1016/j.tree.2019.04.011 \*\* *Selected as the best review in 2019 in Trends in Ecology and Evolution by the journal.*
- 53) Ramalho, M. O.\*, **Moreau, C. S.** & Bueno, O. C. (2019). The potential role of environment in structuring the microbiota of *Camponotus* across parts of the body. *Advances in Entomology* 7(3): 47-70. DOI: 10.4236/ae.2019.73005
- 54) Rubin, B. E. R.\*, Kautz, S.+ , Wray, B. D. & **Moreau, C. S.** (2019). Dietary specialization in mutualistic acacia-ants affects abundance but not identity of host-associated bacteria. *Molecular Ecology* 28: 900-916. DOI: 10.1111/mec.14834
- 55) Nelsen, M. P.+ , Ree, R. H. & **Moreau, C. S.** (2018). Ant-plant interactions evolved through increasing interdependence. *Proceedings of the National Academy of Sciences, USA* 115(48): 12253-12258. DOI: 10.1073/pnas.1719794115
- 56) Hu, Y., Łukasik, P., Sanders, J. G., D'Amelio, C. L., Millar, J. S., Vann, D. R., Lan, Y., Newton, J. A., Schotanus, M., Kronauer, D. J. C., Pierce, N. E., **Moreau, C. S.**, Wertz, J. T., Engel, P. & Russell, J. A. (2018). Herbivorous turtle ants obtain essential nutrients from a

- highly conserved nitrogen-recycling gut microbiome. *Nature Communications* 9: 964. DOI: 10.1038/s41467-018-03357-y
- 57) Dennis, T. P. W., Flynn, P. J. \*, Marciel de Souza, W., Singer, J. B., **Moreau, C. S.**, Wilson, S. J. and Gifford, R. J. (2018). Insights into circovirus host range from the genomic fossil record. *Journal of Virology* 92(16): e00145-18. DOI: 10.1128/JVI.00145-18
- 58) Loreto, R. G., Araújo, J. P. M., Kepler, R. M., Fleming, K. R., **Moreau, C. S.** & Hughes, D. P. (2018). Evidence for convergent evolution of host parasitic manipulation in response to environmental conditions. *Evolution* 72(10): 2144-2155. DOI: 10.1111/evo.13489
- 59) Parfrey, L. W., **Moreau, C. S.** & Russell, J. A. (2018). Introduction: The host-associated microbiome: Pattern, process, and function. *Molecular Ecology* 27: 1749-1765. DOI: 10.1111/mec.14706
- 60) Ramalho, M. O. \*, Vieira, A. S., Pereira, M. C., **Moreau, C. S.** & Bueno, O. C. (2018). Transovarian transmission of *Blochmannia* and *Wolbachia* endosymbionts in the Neotropical weaver ant *Camponotus textor* (Hymenoptera, Formicidae). *Current Microbiology* 78: 866-873. DOI: 10.1007/s00284-018-1459-3
- 61) Short, A. E. Z., Dikow, T. & **Moreau, C. S.** (2018). Entomological collections in the age of big data. *Annual Review of Entomology* 63: 513-530. DOI: 10.1146/annurev-ento-031616-035536
- 62) Drew, J. A., **Moreau, C. S.** & Stiasny, M. L. J. (2017). Digitization of museum collections improves diversity in biodiversity science and education. *Nature Ecology and Evolution* 1: 178-1790. DOI: 10.1038/s41559-017-0401-6
- 63) **Moreau, C. S.** & Wray, B. D. (2017). An empirical test of reduced-representation genomics to infer species-level phylogenies for two ant groups. For an invited issue of *Insect Systematics and Diversity* 1(2): 1-8. DOI 10.1093/isd/ixx009
- 64) Ramalho, M. O. \*, Bueno, O. C. & **Moreau, C. S.** (2017). Species-specific signatures of the microbiome from *Camponotus* and *Colobopsis* ants across developmental stages. *PLOS ONE* 12(11): e0187461. DOI: 10.1371/journal.pone.0187461
- 65) **Moreau, C. S.** & Rubin, B. E. R. \* (2017). Diversity and persistence of the gut microbiome of the giant Neotropical bullet ant. For an invited special issue of *Integrative and Comparative Biology* 57(4): 682-689. DOI: 10.1093/icb/ix037
- 66) Yao, L. \*, Li, H., Martin, R. D., **Moreau, C. S.** & Malhi, R. S. (2017). Tracing the phylogeographic history of Southeast Asian long-tailed macaques through mitogenomes of museum specimens. *Molecular Phylogenetics and Evolution* 116: 227-238. DOI: 10.1016/j.ympev.2017.08.006
- 67) Kamhi, J. F., Arganda, S., **Moreau, C. S.** & Traniello, J. F. A. (2017). Origins of aminergic regulation of behavior in complex insect social systems. *Frontiers in Systems Neuroscience* 11:74. DOI: 10.3389/fnsys.2017.00074
- 68) Łukasik, P., Newton, J. A., Sanders, J. G., Hu, Y., **Moreau, C. S.**, Kronauer, D. J. C., O'Donnell, S., Koga, R., & Russell, J. A. (2017). The structured diversity of specialized gut symbionts of the New World army ants. *Molecular Ecology* 26(14): 3808-3825. DOI: 10.1111/mec.14140
- 69) Ramalho, M. O. \*, Bueno, O. C. & **Moreau, C. S.** (2017). Microbial composition of spiny ants (Hymenoptera: Formicidae: *Polyrhachis*) across their geographic range. *BMC Evolutionary Biology* 17: 96. DOI: 10.1186/s12862-017-0945-8

- 70) Pringle, E. G. & **Moreau, C. S.** (2017). Community analysis of microbial sharing and specialization in a Costa Rican ant-plant-hemipteran symbiosis. *Proceedings of the Royal Society B* 284: 20162770. DOI: 10.1098/rspb.2016.2770
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- 73) Winston, M. E. \*, Kronauer, D. & **Moreau, C. S.** (2017). Early and dynamic colonization of Central America drives speciation in Neotropical army ants. *Molecular Ecology* 26: 859-870. DOI: 10.1111/mec.13846
- 74) Russell, J. A, Sanders, J. G. & **Moreau, C. S.** (2017). Hotspots for symbiosis: Function, evolution, and specificity of ant-microbe associations from trunk to tips of the ant phylogeny (Hymenoptera: Formicidae). Invited review for *Myrmecological News* 24: 43-69. ISSN 1997-3500
- 75) Rubin, B. E. R. \* & **Moreau, C. S.** (2016). Comparative genomics reveals convergent rates of evolution in ant-plant mutualisms. *Nature Communications* 7: e12679. DOI: 10.1038/ncomms12679
- 76) Burchill, A. T. \*\* & **Moreau, C. S.** (2016). Colony size evolution in ants: Macroevolutionary trends. *Insectes Sociaux* 63(2): 291-298. [Awarded the prize for best paper published in *Insectes Sociaux* in 2016] DOI: 10.1007/s00040-016-0465-3
- 77) Mezger, D. + & **Moreau, C. S.** (2016). Out of South-East Asia: Phylogeny and biogeography of the spiny ant genus *Polyrhachis* (Hymenoptera: Formicidae). *Systematic Entomology* 41: 369-378. DOI: 10.1111/syen.12163
- 78) Holley, J. C., **Moreau, C. S.**, Laird, J. G. & Suarez, A. V. (2016). Subcaste-specific evolution of head size in the ant genus *Pheidole*. *Biological Journal of the Linnean Society* 118(3): 472-485. DOI: 10.1111/bij.12769
- 79) Johnson, R. A. & **Moreau, C. S.** (2016). A new ant genus from southern Argentina and southern Chile, *Patagonomyrmex* (Hymenoptera: Formicidae). *Zootaxa* 4139(1): 1-31. DOI: 10.11646/zootaxa.4139.1.1
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- 81) NESCent Working Group on the Evolutionary Biology of the Built Environment, Martin, L. J., Adams, R. I., Bateman, A., Bik, H. M., Hawks, J., Hird, S. M., Hughes, D., Kembel, S. W., Kinney, K., Kolokotronis, S.-O., Levy, G., McClain, C., Meadow, J. F., Medina, R. F., Mhuireach, G., **Moreau, C. S.**, Munshi-South, J., Nichols, L. M., Palmer, C., Popova, L., Schal, C., Täubel, M., Trautwein, M., Ugalde, J. & Dunn, R. R. (2015). Evolution of the indoor biome. *Trends in Ecology and Evolution* 30 (4): 223-232. DOI: 10.1016/j.tree.2015.02.001
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- 87) Muscedere, M. L., Gronenberg, W., **Moreau, C. S.** & Traniello, J. F. A. (2014). Investment in higher order central processing regions is not constrained by brain size in social insects. *Proceedings of the Royal Society B* 281: 20140217. DOI: 10.1098/rspb.2014.0217
- 88) Winston, M. E.\* , Hampton Marcel, J., Zarraonaindia, I., Owens, S. M., **Moreau, C. S.**, Gilbert, J. A., Hartsel, J., Kennedy, S. J. & Gibbons, S. M. (2014). Understanding cultivar-specificity and soil determinants of the *Cannabis* microbiome. *PLOS ONE* 9(6): e99641. DOI: 10.1371/journal.pone.0099641
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- 92) Johnson, R. A., Overson, R. P. & **Moreau, C. S.** (2013). A new species of seed-harvester ant, *Pogonomyrmex hoelldobleri* (Hymenoptera: Formicidae), from the Mohave and Sonoran deserts of North America. *Zootaxa* 3646(3): 201-227. DOI: 10.11646/zootaxa.3646.3.1
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- 95) Russell, J. A., Funaro, C. F., Giraldo, Y. M., Goldman-Huertas, B., Suh, D., Kronauer, D. J. C., **Moreau, C. S.** & Pierce, N. E. (2012). A veritable menagerie of heritable bacteria from ants, butterflies, and beyond: Broad molecular surveys and a systematic review. *PLOS ONE* 7(12): e51027. DOI: 10.1371/journal.pone.0051027
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- 97) Kautz S., Ballhorn D. J., Kroiss J., Pauls S. U., **Moreau C. S.**, Eilmus S., Strohm E. & Heil M. (2012). Host plant use by competing acacia-ants: Mutualists monopolize while parasites share hosts. *PLOS ONE* 7(5): e37691. DOI: 10.1371/journal.pone.0037691
- 98) Rubin, B. E. R. \*, Ree, R. H. & **Moreau, C. S.** (2012). Inferring phylogeny from RAD sequence data. *PLOS ONE* 7(4) e33394. DOI: 10.1371/journal.pone.0033394
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- 100) Sarnat, E. M. & **Moreau, C. S.** (2011). Biogeography and morphological evolution in a Pacific island ant radiation. *Molecular Ecology* 20: 114-130. DOI: 10.1111/j.1365-294X.2010.04916.x
- 101) **Moreau, C. S.** (2011). What do molecular clocks tell us about the evolution of ants? (Invited Instant Symposium review) *American Entomologist* 57(1): 52-53. DOI: 10.1093/ae/57.1.52
- 102) Funaro, C. F., Kronauer, D. J. C., **Moreau, C. S.**, Goldman-Huertas, B., Pierce, N. E. & Russell, J. A. (2011). Army ants and other arthropods harbor host-specific clades of Entomoplasmatales bacteria. *Applied and Environmental Microbiology* 77(1): 346-350 [Cover image]. DOI: 10.1128/AEM.01896-10
- 103) Kautz, S.+ & **Moreau, C. S.** (2011). Creating Encyclopedia of Life's species pages for ants (Hymenoptera: Formicidae): What we have done and what remains to be done. *Myrmecological News* 14: 69-72. ISSN 1997-3500
- 104) Russell, J. A. ^, **Moreau, C. S.** ^, Goldman-Huertas, B. M., Fujiwara, M., Lohman, D. J. & Pierce, N. E. (2009). Bacterial gut symbionts are tightly linked with the evolution of herbivory in ants. *Proceedings of the National Academy of Sciences, USA* 106(50): 21236-21241. [^ co-first authorship] DOI: 10.1073/pnas.0907926106
- 105) **Moreau, C. S.** (2009). Inferring ant evolution in the age of molecular data (Hymenoptera: Formicidae). *Myrmecological News* 12: 201-210. ISSN 1997-3500
- 106) Russell, J. A., Goldman-Huertas, B. M., **Moreau, C. S.**, Baldo, L., Stahlhut, J. K., Werren, J. H. & Pierce, N. E. (2009). Specialization and geographic isolation among *Wolbachia* symbionts from ants and Lycaenid butterflies. *Evolution* 63(3): 624-640. DOI: 10.1111/j.1558-5646.2008.00579.x
- 107) **Moreau, C. S.** (2008). Unraveling the evolutionary history of the “hyperdiverse” ant genus *Pheidole* (Hymenoptera: Formicidae). *Molecular Phylogenetics and Evolution* 48: 224-239. DOI: 10.1016/j.ympev.2008.02.020
- 108) Dejean, A., **Moreau, C. S.**, Kenne, M. & Leponce, M. (2008). The raiding success of *Pheidole megacephala* on other ants in both its native and introduced ranges. *Comptes Rendus Biologies* 331: 631-635. DOI: 10.1016/j.crv.2008.05.004
- 109) Canfield, M. R., Greene, E., **Moreau, C. S.** & Pierce, N. E. (2008). Exploring phenotypic plasticity in emerald moths: A phylogeny of the genus *Nemoria* (Lepidoptera: Geometridae). *Molecular Phylogenetics and Evolution* 49: 477-487. DOI: 10.1016/j.ympev.2008.07.003
- 110) Dejean, A., Kenne, M. & **Moreau, C. S.** (2007). Predatory abilities favour the success of the invasive ant *Pheidole megacephala* in an introduced area. *Journal of Applied Entomology* 131: 625-629. DOI: 10.1111/j.1439-0418.2007.01223.x
- 111) Dejean, A., **Moreau, C. S.**, Uzac, P., Le Breton, J. & Kenne, M. (2007). The predatory

behavior of *Pheidole megacephala*. *Comptes Rendus Biologies* 330: 701-709. DOI: 10.1016/j.crvi.2007.06.005

- 112) **Moreau, C. S.**, Bell, C. D., Vila, R., Archibald, S. B. & Pierce, N. E. (2006). Phylogeny of the ants: Diversification in the age of angiosperms. *Science* 312(5770): 101–104. [Cover image – photo by C.S. Moreau] DOI: 10.1126/science.1124891
- 113) Archibald, S. B., Cover, S. P. & **Moreau, C. S.** (2006). Bulldog ants of the Eocene Okanagan Highlands and history of the subfamily (Hymenoptera: Formicidae: Myrmeciinae). *Annals of the Entomological Society of America* 99: 487–523. DOI: 10.1603/0013-8746(2006)99[487:BAOTEO]2.0.CO;2
- 114) Blackburn, D. C. & **Moreau, C. S.** (2006). Ontogenetic diet change in the arthropod frog *Schoutedenella xenodactyloides*. *Journal of Herpetology* 40: 388-394. DOI: 10.1670/0022-1511(2006)40[388:ODCITA]2.0.CO;2
- 115) Dejean, A., Le Breton, J., Suzzoni, J. P., Orivell, J. & **Saux-Moreau\***, C. (2005). Influence of interspecific competition on the recruitment behavior and liquid food transport in the tramp ant species *Pheidole megacephala*. *Naturwissenschaften* 92: 324–327. DOI: 10.1007/s00114-005-0632-2
- 116) **Saux\***, C., Fisher, B. L. & Spicer, G. S. (2004). Dracula ant phylogeny as inferred by nuclear 28S rDNA sequences and implications for ant systematics (Hymenoptera: Formicidae: Amblyoponinae). *Molecular Phylogenetics and Evolution* 33: 457–468. DOI: 10.1016/j.ympev.2004.06.017
- 117) **Saux\***, C., Simon, C. M. & Spicer, G. S. (2003). Phylogeny of the dragonfly and damselfly order Odonata as inferred by mitochondrial 12S rRNA sequences. *Annals of the Entomological Society of America* 96: 693–699. DOI: 0013-8746/03/0693D0699\$04.00/0

\* Previous name(s). All future publications will be under the name Moreau.

### **Book Chapters**

- 118) Leavitt, S. D., **Moreau, C. S.** & Lumbsch, H. T. (2015). “The dynamic discipline of species delimitation: Progress towards effectively recognizing species boundaries in natural populations” in Upreti, D. K., Divakar, P. K., Shukla, V., & Bajpai, R. (Eds.) *Recent Advances in Lichenology* Volume 2. Springer Press, Berlin, Germany, pp. 11-44. DOI: 10.1007/978-81-322-2235-4\_2
- 119) **Moreau, C. S.** & Wilson, E. O. (2017). “The value of your and our collections” in *Dr. Eleanor’s Book of Common Ants of Chicago*. University of Chicago Press, Chicago, Illinois, USA. ISBN 9780226266800
- 120) **Moreau, C. S.** (2019). “Women In Science: Providing opportunities for the next generation” in *125 Moments in the Natural History of the Field Museum*. Field Museum Press, Chicago, Illinois, USA. ISBN 978-0-578-41368-6

### **Book Reviews, Obituaries, Forums, Reports, and Editorials**

**Moreau, C. S.** & Pierce, N. E. (2022). Obituary Edward O. Wilson (1929-2021) – Naturalist, synthesizer and conservation champion. Invited obituary in *Nature Ecology & Evolution*.  
Boomsma, J. J., Brady, S. G., Dunn, R. R., Gadau, J., Heinze, J., Keller, L., **Moreau, C. S.**, Sanders, N. J., Schrader, L., Schultz, T. R., Sundström, L., Ward, P. S., Weislo, W. T., Zhang, G. & The GAGA Consortium. (2017). The Global Ant Genomics Alliance (GAGA). Forum piece for *Myrmecological News* 25: 61-66.  
Gilbert, J. A., Bao, Y., Wang, H., Sansone, S.-A., Edmunds, S. C., Morrison, N., Meyer, F.,

Schriml, L. M., Davies, N., Sterk, P., Wilkening, J., Garrity, G. M., Field, D., Robbins, R., Smith, D. P., Mizrachi, I. & **Moreau, C. S.** (2012). Report of the 13th Genomic Standards Consortium Meeting, Shenzhen, China, March 4–7, 2012. *Standards in Genomic Sciences* 6: 6020276.

Schluns, H., **Moreau, C. S.**, Zettel, H., Schlick-Steiner, B. C. & Steiner, F. (2011). Editorial for the Ross H. Crozier Memorial Volume. *Myrmecological News* 15: iii-iv.

**Moreau, C. S.** (2010). Book review of “Anthill” by E. O. Wilson. *American Entomologist* 56(4): 252.

**Moreau, C. S.** (2008). Invited book review of “Ants of North America: A Guide to the Genera” by B. L. Fisher and S. P. Cover. *Quarterly Review of Biology* 83: 223.

### **Manuscripts Submitted and In Prep**

Koenig, P. A.\* & **Moreau, C. S.** (Submitted). Acorn ant exhibits age-dependent induced defense in response to parasitic raids. In revision at *Biology Letters*.

Kang, A.\* & **Moreau, C. S.** (In prep). Revisiting Central American and South American Tropics diversification: A review of support for known diversification hypotheses, taxonomic and biogeographic coverage, and implications for future work.

Donaldson, M. L.\*\*, Barkdull, M.\* & **Moreau, C. S.** (Submitted). Comparative genomics analyses reveal selection on neuronal and cuticular hydrocarbon genes is associated with aggression in ants (Hymenoptera: Formicidae). In revision for an invited special issue in the *Annals of the Entomological Society of America*.

Rivera, M., Smith, C. R., Hanisch, P., Graber, L. C.\*, **Moreau, C. S.** & Suarez, A. V. (Submitted) Mandibular function and performance across worker size variation in harvester ants (Formicidae: *Pogonomyrmex*). In review at *American Naturalist*.

Touchard, A.+, Robinson, S. D., Lalagüe, H., Ascoët, S., Saunier, L., Vizueta, J., Téné, N., Petitclerc, F., Troispoux, V., Treilhou, M., Bonnafé, E., Vetter, I., **Moreau, C.S.**, Orivel, J. & Tysklind, N. (Submitted) Adaptive trade-offs in ant venoms revealed by combining bioactivities, morphological and molecular traits. In review at *Proceedings of the Royal Society B*.

Bitar, M. R., Goes-Neto, A., Oliveira, P. S., **Moreau, C. S.** & Ribeiro, S. P. (Submitted). The impact of toxic mining contamination on the bacterial cuticle communities of a dominant Neotropical arboreal ant *Azteca chartifex* (Formicidae: Dolichoderinae). In review at *Microbial Ecology*.

Borowiec, M. L., Zhang, Y. M., Neves, K., Ramalho, M. O., Fisher, B. L., Lucky, A. & **Moreau, C. S.** (Submitted). Evaluating UCE data adequacy and integrating uncertainty in a comprehensive phylogeny of ants. In review at *Systematic Biology*.

Koenig, P. A.\*, Hoffman, B. S. S. & **Moreau, C. S.** (In prep.). Polydomy as a bet-hedging strategy against parasitic raids in acorn.

### **HONORARY APPOINTMENTS**

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Cornell Atkinson Center for Sustainability Faculty Fellow. 2023-present.

Cornell Institute of Host-Microbe Interactions and Disease (CIHMID) – Faculty Member. 2019–present.

Field Museum of Natural History – Research Associate in the Integrative Research Center. 2019–2024.

E.O. Wilson Foundation – Half-Earth Project Educator Ambassador. 2020-2023.

Center for Tropical Research at the University of California, Los Angeles – Senior Research Fellow. 2015–2023.

The Microbiome Center at the University of Chicago – Faculty Member. 2016–2018.

### **ADVISORY AND GOVERNING BOARDS**

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Entomological Society of America Insect Loss Task Force member (2024–present).

Naturalis Biodiversity Center (Leiden, Netherlands) Scientific Advisory Board member (2022–present).

Global Ant Genomics Alliance (GAGA; <http://antgenomics.dk>) – Governing Board member (2016–2021).

### **LEADERSHIP TRAINING**

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Cornell Academic Leadership Series hosted by the Provost’s Office at Cornell University, Ithaca, NY, USA. 2023.

Crain's Leadership Academy – Nominated for and attended Crain's Leadership Academy hosted by Crain's Business, Chicago, IL, USA. 2016. <http://www.crainsacademy.com/leadership/>

### **DIVERSITY, EQUITY, AND INCLUSION TRAINING**

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eCornell – Diversity, Equity, and Inclusion certificate program. June 2024.

Equity in Graduate Education – Cornell chapter lead member 2022-present.  
<https://equitygraded.org/>

Cornell Cooperative Extension – Working In Partnership With SBN’s To Create A Systemwide Diversity, Equity, Inclusion And Belonging (DEIB) Practice. October 2023.

Conversations across differences – Cornell University Intergroup Dialog Project (IDP) May 2023.

AdvanceGEO – Active bystander workshop participant. April 2023.

Coursera – Leading for Equity, Diversity and Inclusion in Higher Education certificate program. October 2022.

AdvanceGEO – Implicit bias workshop participant. April 2022.

Project Biodiversify – LGBTQAI2S+ Inclusive Teaching workshop. January 2021.

Cornell Building Allyship Series: The Dangers of Performative Allyship - Understanding Intent versus Impact workshop. October 2020.

Academics for Black Survival and Wellness Training. <https://www.academics4blacklives.com/> August 2020.

Engaging in Conversations on Racism – Cornell University Intergroup Dialog Project (IDP) faculty training. August 2020.

Active Bystander training – “Harassment at Meetings: How To Spot, Stop, And Prevent It” by Smarts Consulting as part of the Evolution Meetings. June 2019.

Harassment Prevention Training for Supervisors by an outside consulting firm at Field Museum of Natural History. August 2018.

### **SCIENCE COMMUNICATION TRAINING**

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Natural Science Collections Alliance - American Institute of Biological Sciences (AIBS) Communications Training Boot Camp for Scientists. Washington, D.C., USA. 2017.  
[https://www.aibs.org/public-policy/communications\\_boot\\_camp.html](https://www.aibs.org/public-policy/communications_boot_camp.html)

## **GRANTS AND FUNDING**

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**Total external funding secured: \$2,492,000**

**External Scientific Research Funding (over \$1,800,000 in research grants):**

- National Science Foundation – DBI Research Capacity for Biological Collections “Research Infrastructure: Increasing scientific capacity and educational and outreach impact of the Cornell University Insect Collection” Lead PI in collaboration with Dr. Patrick O’Grady and Dr. Jason Dombroskie. *Awarded \$540,601 to Moreau 2023-2025.*
- National Science Foundation (NSF DEB 1442316 at Field Museum; NSF DEB 1900357 at Cornell University) – Dimensions of Biodiversity (DoB) grant titled: “Dimensions: Identifying how the ecological and evolutionary interactions between host and symbiont shape holobiont biodiversity”. Lead PI in collaboration with Dr. Jacob Russell (Drexel University), Dr. Scott Powell (George Washington University), and Dr. John Wertz (Calvin College). *Awarded \$603,579 to Moreau 2015-2021.*
- Labex CEBA, France (Center for the Study of Biodiversity in Amazonia) grant titled: "SymBIOsynthesis - Bacterial defensive symbionts associated with ants in Amazonia: Evolutionary and ecological factors impacting the diversity of bacterial genes in the biosynthesis of polyketides and non-ribosomal peptides" PIs: C. S. Moreau & C. Duplais. *Awarded 15,000 € 2018-2019.*
- National Science Foundation (NSF IOS 1354193 at Field Museum; NSF IOS 1916995 at Cornell University) – Integrative Organismal Systems (IOS) Behavioral Systems cluster grant titled: “Collaborative Research: Social selection and brain evolution in ants”. Collaborative grant with Dr. James Traniello (Boston University) and Dr. Wulfila Gronenberg (University of Arizona). *Awarded \$240,000 to Moreau 2014-2019.*
- National Academies Keck Future Initiative (NAKFI) – Proposal for workshops to collaborate on "The evolution of antagonists in a social world". Collaborative grant with Lead PI Dr. David Hughes (Pennsylvania State University), Co-PI Dr. Corrie Moreau (Field Museum of Natural History), Co-PI Ms. Kelly Rooker (University of Tennessee, Knoxville) and Co-PI Mr. Tyler Massaro (University of Tennessee, Knoxville). *Awarded \$25,000 to Lead PI 2015.*
- French National Centre for Scientific Research - Centre National de la Recherche Scientifique (CNRS) – Proposal to Nouragues Travel Grants program titled "Evolution of symbiont complexity and diet shifts in arboreal ants" to conduct scientific fieldwork in French Guiana. *Awarded 8,940€ (\$10,200 USD) to Moreau 2015.*
- National Science Foundation (NSF DEB 1050243) –Population and Community Ecology grant titled: “Collaborative Research: Inferring bacterial roles in the evolution of trophic level across the ants”. Collaborative grant with Dr. Jacob Russell (Drexel University). *Awarded \$299,770 to Moreau 2011-2015.*
- National Geographic Society (NGS 9451-14) – Proposal to Committee for Research and Exploration titled: “The role of historical and future climate change in shaping the distribution and evolution of rainforest ants and their endosymbiotic bacteria in Australia”. *Awarded \$19,884 to Moreau 2014.*
- Encyclopedia of Life (EOL) – Biodiversity Synthesis Meeting. Funding to host a meeting of 30 members of the ant research community to facilitate research collaboration. *Awarded \$45,000 to coordinate a collaborative synthesis meeting 2009.*

**External Student Research Funding Support (over \$52,000 in student research grants):**

National Science Foundation (NSF DEB 1701352) – Doctoral Dissertation Improvement Grant (DDIG) titled “Morphological evolution, specialization, and functional ecology in a diverse genus of ants” to support research by graduate student Benjamin Blanchard. *Awarded \$15,043 to Moreau & Blanchard 2017-2019.*

National Science Foundation (NSF DEB 1501672) – Doctoral Dissertation Improvement Grant (DDIG) titled “Dissertation Research: Bridging micro- and macroevolution in a top Neotropical predator” to support research by graduate student Max Winston. *Awarded \$17,167 to Moreau & Winston 2015-2017.*

National Science Foundation (NSF DEB 1311417) – Doctoral Dissertation Improvement Grant (DDIG) titled “Dissertation Research: The evolution of plant-ants: mutualism and the gut microbiome” to support research by graduate student Benjamin Rubin. *Awarded \$20,529 to Moreau & Rubin 2013-2014.*

**External Educational Funding (over \$640,000 in educational grants):**

National Science Foundation (NSF DBI 1559779) – Research Experiences for Undergraduates (REU) site grant titled "Evolution of Biodiversity Across the Tree of Life". Lead PI in collaboration with Dr. Thorsten Lumbsch (Co-PI). *Awarded \$244,874 to Moreau 2016-2019.*

U.S. Department of Education (DoE P200A120095) – Graduate Assistance in Areas of National Need (GAANN) grant titled: “Graduate Training in Evolutionary Environmental Biology”. Collaborative grant with University of Chicago’s Committee on Evolutionary Biology: Dr. Susan Kidwell (UChicago) and Dr. Corrie Moreau (Field Museum) Co-Directors of GAANN Steering Committee. *Awarded \$399,798 to support three full-time Ph.D. student training positions for three years 2012-2015.*

**Grants submitted and under consideration:**

USDA NIFA – Submitted to the “From Learning to Leading: Cultivating the Next Generation of Diverse Food and Agriculture Professionals” for a proposal titled “Training a new and diverse generation of USDA workers that navigate coupled natural and human systems in rural and urban settings”. Cornell award request \$1,328,403 for five years 2023-2027.

National Science Foundation – “MRI: Acquisition of a High-Resolution Micro-Computed Tomography System for Inter- and Multi-Disciplinary Research in the Life Sciences”. PI B. P. Hedrick, Co PI C.B. Dillman, Co PI S. Jung, Co PI C. S. Moreau, Co PI C. D. Specht. Budget requested \$602,876 for three years 2023-2026.

**FOUNDATION, DONOR, AND INSTITUTIONAL SUPPORT**

**Cornell University Support (over \$2,040,000 support):**

Cornell University Insect Collections gift fund. Established in 2019 to support the many diverse activities in the collection including supporting student training and research experiences, expand our outreach activities, facilitate insect identifications, increase specimen-based research, and grow our world-class collections. To date more than \$2000.

Anonymous donor – Provided research funds to Moreau research program (2021). Awarded \$1000.

Alumni donor – Provided \$40,000 to support the Cornell University Insect Collection (2021). Cornell CALS Diversity, Equity, and Inclusion fund. To date more than \$5000.

Alumni donor – Bequest gift of \$2,000,000 to support the Cornell University Insect Collection (2023).

**Field Museum of Natural History Support (over \$900,000 support):**

Science Innovation Award (2018) "Looking at the Future through the Past: Using Biological Collections and Ecological Niche Modeling to Understand Changes in Species Distributions." *Awarded \$110,000.*

Anonymous donor – Provided funding to support sabbatical research (2017). *Awarded \$75,000.*

Council on Africa – Provided funding to support two African students to participate in the Ant Course where I am an invited instructor (2016). *Awarded \$4,050.*

Anonymous donor – Provided funding to support implementation of comparative genomic research in my laboratory. (2016). *Awarded \$25,000.*

Polk Family Charitable Fund – Exploring genomes to understand the evolution of caste systems. (2016). *Awarded \$25,000.*

Negaunee Foundation – Insect-plant co-evolution in space and time. In collaboration with Dr. Richard Ree (2015). *Awarded \$117,000.*

Women's Board of the Field Museum – Yearly funds to support the Field Museum Women In Science (FMWIS) summer internship and graduate fellowship programs. (2014 – onward). *Awarded \$75,400/year.*

Negaunee Foundation – Museonomics: A new era of genomics in understanding and using scientific museum collections. In collaboration with the Pritzker Lab Management Committee (2014). *Awarded \$150,000.*

Anonymous donor – Provided funding to support part of my salary, benefits, and research program for two years. (2013). *Awarded \$125,000.*

Negaunee Foundation – What can we learn from museum specimens? Cataloging collections at the Field Museum. (2013). *Awarded \$50,000.*

Anonymous donor – Provided funding to support implementation of innovative technology and fund genetic research in my laboratory. (2012). *Awarded \$25,000.*

Negaunee Foundation – Ant symbioses in Costa Rican rainforests. (2012). *Awarded \$29,000.*

Council on Africa – Provided funding to support two African students to participate in the Ant Course where I am an invited instructor (2013). *Awarded \$3,950.*

The Grainger Foundation – Comparative Genomics of Ant-Plant Mutualisms (2011). *Awarded \$15,000.*

Negaunee Foundation – Ant Diversity, Biogeography and Conservation in the Florida Keys (2010). *Awarded \$35,000.*

The Grainger Foundation – Ant Species Diversity and Bacterial Endosymbiosis (2010). *Awarded \$22,000.*

Bertha Lebus Foundation – Exploring ant genomes (2010). *Awarded \$12,000.*

Women's Board Field Dreams – Support for research in the Australian Wet Tropics (2009). *Awarded \$3,000.*

Marshall Field Fund – Support of several field collecting trips to Australia, Peru, Brazil, and Florida Keys (2009-2013). *Awarded \$28,000.*

**TEACHING EXPERIENCE**

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Cornell University. Model-Based Phylogenetics and Hypothesis Testing. Spring 2020, Spring 2022.

Cornell University. Diversity, Equity, and Inclusion – The Science Behind Bias seminar. Fall 2020 (virtual), Spring 2022, Spring 2024.

Cornell University. Graduate Professional Development in Entomology. Fall 2020 (hybrid), Fall 2021.

Molecular Evolution Workshop at the Marine Biological Laboratory, Woods Hole, MA, USA. Invited instructor June 2024.

University of Chicago. Reconstructing the Tree of Life: An introduction to phylogenetics. Co-taught lecture and computer laboratory with Dr. Richard Ree. Autumn 2009, 2011, & 2013.

University of Chicago. GAANN graduate seminar. Lead weekly discussions of scientific literature around diverse themes. Winter 2014.

The Ant Course. Invited instructor (2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016) and teaching assistant (2002, 2003) in Borneo, Mozambique, Peru, Uganda, USA, Venezuela for this field-based course.

### **INVITED SEMINARS (151 invited research seminars and presentations)**

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#### **Plenary, Keynote, and Distinguished Invited Seminars:**

Excellence in Insect Science symposium at Michigan State University invited panelist. May 2024

Ivy+ Graduate Education meeting invited Keynote speaker. May 2024.

International Conference on Insect Science (Baoding, China) invited Plenary speaker. August 2023.

Cornell University Board of Trustees invited speaker. October 2022.

International Union for the Study of Social Insects (IUSSI) invited Plenary speaker. July 2022.

Texas A&M Ecological Integration Symposium invited Keynote speaker. April 2022.

Darwin Days Keynote speaker for the Paleontological Research Institute in Ithaca, NY. February 2022.

Bowen Center of the Study of the Family annual conference invited Distinguished Guest speaker. November 2021.

International Systematics, Evolution, and Biogeography conference invited Keynote speaker. June 2021.

National Science Foundation Distinguished Lecture Series – Directorate of Biological Sciences invited speaker. February 2021.

Darwin Day Keynote speaker for the Fifth Annual Wehner Research Symposium at Montclair State University. February 2021.

Picture A Scientist women in science event at Montana State University invited Keynote speaker. October 2020.

Cornell University – Cornell Tropical Biology & Conservation Symposium invited Keynote speaker. October 2019.

Simpósio de Mirmecologia - An International Ant Meeting invited Keynote speaker, Belo Horizonte, Minas Gerais, Brazil. 2019

Canadian Society for Ecology & Evolution, Entomological Society of Canada, and Acadian Entomological Society joint conference invited Plenary speaker, Fredericton, Canada. August 2019.

Graduate Women in Science (GWIS) National Conference invited Keynote speaker, Iowa City,

Iowa, USA. June 2018.  
 Harvard Plant Biology Symposium: Natural History Collections in the Anthropocene, Boston, MA, USA. May 2018.  
 Jane Goodall Field Museum Women In Science event invited event moderator, Chicago, IL, USA. April 2018.  
 Genomics and Collections: Adaptation to Macroevolution conference and workshop invited speaker, Australia National University and CSIRO, Canberra, Australia. September 2017.  
 Annual Yosemite Symbiosis Workshop invited Keynote speaker, Sierra Nevada Research Institute, Yosemite National Park, USA. May 2017.  
 X-STEM Extreme STEM Symposium for the USA Science & Engineering Festival invited "top" science speaker, Washington, D.C., USA. April 2017.  
 March for Science Iowa invited rally speaker, Des Moines, IA, USA. April 2017.  
 Midwest Ecology and Evolution Conference (MEEC) invited Keynote speaker, Champagne-Urbana, IL, USA. March 2017.  
 Wildlife Institute of India and University of Chicago Center in Delhi "The Role of Parks and Sanctuaries in Protecting India's Biodiversity" invited Keynote speaker, New Delhi, India. May 2016.  
 Kavli Fellow of the National Academy of Sciences and Alexander Von Humboldt Foundation invited speaker. German-American Frontiers of Science, Potsdam, Germany. March 2016.  
 Invertebrates in Education & Conservation Conference (IECC) invited Keynote Lecture, Rio Rico, Arizona, USA. July 2015.  
 University of Kansas invited Distinguished Michener Speaker – Ecology and Evolutionary Biology, Lawrence, Kansas. October 2012.  
 Australasian Evolution Society meetings invited Plenary (Keynote) Lecture, Townsville, Queensland, Australia. September 2011.

**Invited Institutional and Departmental Scientific Seminars:**

Skidmore College – Department of Biology invited undergraduate student speaker. April 2024.  
 University of Arizona – Department of Entomology Henry H. Hagedorn Endowment invited graduate student speaker. December 2023.  
 Universidad Nacional Autónoma de México (UNAM) – Instituto de Biología. October 2023.  
 Stony Brook University – Department of Ecology and Evolution. September 2023.  
 Beijing Normal University – Department of Ecology. August 2023.  
 Xishuangbanna Tropical Botanical Garden – Chinese Academy of Sciences. August 2023.  
 University of Montana – Department of Ecology and Evolutionary Biology. April 2023.  
 University of Michigan – Department of Ecology and Evolutionary Biology. April 2023.  
 Virginia Tech – Department of Entomology. March 2023.  
 McGill University – Department of Biology. March 2023.  
 Harvard University (virtual) – School Science and Engineering speaker. February 2023.  
 West Chester University of Pennsylvania – Department of Biology. December 2022.  
 University of Southern Mississippi – School of Biological, Environmental and Earth Sciences. August 2022.  
 Cold Spring Harbor Laboratory – Biology of Genomes workshop. May 2022.  
 Vanderbilt University (virtual) - Evolutionary Studies Initiative. February 2022.  
 University of Münster (virtual) - Institute for Evolution and Biodiversity. December 2021.  
 Indiana University Bloomington – Department of Biology. October 2021.

Natural History Museum of Los Angeles (virtual) – Research and Collections. October 2021.  
Clemson University (virtual) – Department of Plant and Environmental Sciences. September 2021.  
University of Colorado Denver (virtual) – Department of Integrative Biology. September 2021.  
Museo de Arte Contemporáneo de la Universidad de São Paulo, Brazil – Unlocking the power of collections through digitization (virtual presentation and panel). May 2021.  
Cornell University (virtual) – Cornell Academics and Professors Emeriti (CAPE). May 2021.  
Drexel University (virtual) – Department of Biology. April 2021.  
Mississippi State University (virtual) – Department of Biological Sciences (invited graduate student seminar speaker). April 2021.  
University of Maryland (virtual) – Department of Entomology. March 2021.  
Wichita State University (virtual) – Department of Biology. February 2021.  
Boston University (virtual) – Department of Biology. February 2021.  
Washington State University (virtual) – Department of Entomology. February 2021.  
California Academy of Sciences (virtual) – Institute for Biodiversity Science and Sustainability. October 2020.  
Cornell University (virtual) – Department of Neurobiology and Behavior. October 2020.  
University of California San Diego (virtual) – Department of Biological Sciences (invited graduate student seminar speaker). October 2020.  
University of Copenhagen (virtual) – Center for Social Evolution. May 2020.  
Brown University – Department of Ecology and Evolutionary Biology (invited postdoctoral researchers seminar speaker). February 2020.  
Rochester University – Department of Biology. February 2020.  
University of California, Davis – Department of Entomology. January 2020.  
Cornell University – Cornell Trustees Council Annual Meeting. October 2019.  
Elmira College – College Lecture Series in the Sciences. October 2019.  
Sorbonne Université Pierre et Marie Curie, Paris 5è – IEES seminar. September 2019.  
Université de Tours – IRBI seminar. September 2019.  
Cornell University – Cornell Institute for Host Microbe Interactions and Disease (CIHMID) symposium. July 2019.  
Max Planck Institute for Chemical Ecology – Insect-microbe symposium. May 2019.  
University of Helsinki – Viiki Campus HiLife seminar series. May 2019.  
University of Wisconsin, Madison – Department of Entomology (invited graduate student seminar speaker). May 2019.  
Harvard University – Harvard Museum of Natural History public seminar speaker. April 2019.  
Harvard University – Museum of Comparative Zoology seminar. April 2019.  
Princeton University – Department of Ecology and Evolutionary Biology. March 2019.  
University of Louisville – Department of Biology (invited graduate student seminar speaker). March 2019.  
Claremont Colleges – Distinguished Speaker in Biological Sciences. March 2019.  
Cornell University – Department of Ecology and Evolutionary Biology. November 2018.  
Texas A&M University – Departments of Entomology and Ecology and Evolution (invited graduate student seminar speaker). October 2018.  
Cornell University – EvoEvent: Exploring the Tree of Life. September 2018.  
University of Nevada, Reno – Department of Biology. March 2018.  
Centre National de la Recherche Scientifique (CNRS) - Ecology of Forests of Guiana (EcoFoG)

Kourou, French Guiana. March 2018.

Montana State University – Department of Microbiology and Immunology. February 2018.

Virginia Tech – Departments of Entomology and Biology (invited graduate student seminar speaker). January 2018.

Cornell University – Department of Entomology. October 2017.

University of Georgia – Department of Entomology. October 2017.

Chicago State University – Schienbuck Scholarship Speaker. October 2017.

University of New South Wales, Australia – Evolution and Ecology Research Centre (invited graduate student seminar speaker). September 2017.

São Paulo State University (UNESP), Rio Claro, Brazil – Department of Cellular and Molecular Biology. May 2017.

Iowa State University – Department of Ecology, Evolution, and Organismal Biology. April 2017.

Columbia University – Social Evolution and Genome Complexity symposium. March 2017.

Northwestern University – Department of Civil and Environmental Engineering. February 2017.

Harvard University – Department of Organismal and Evolutionary Biology Zoology (invited graduate student seminar speaker). November 2016.

University of Connecticut – Department of Molecular and Cellular Biology. November 2016.

Louisiana State University – Department of Biological Sciences. October 2016.

Loyola University, Chicago – Department of Biology. October 2016.

University of Idaho – Department of Biology Randall Women In Science speaker. September 2016.

Southern Illinois University – Department of Zoology (invited graduate student seminar speaker). April 2016.

Centre National de la Recherche Scientifique (CNRS) – Reserve des Nouragues Camp Parare Station in French Guiana. March 2016.

University of Oklahoma – Department of Biology (invited graduate student seminar speaker). February 2016.

Rutgers University / New Jersey Institute of Technology – Wilhoft lecture in Ecology and Evolution (invited graduate student seminar speaker). December 2015.

Smithsonian National Museum of Natural History – Frontiers in Phylogenetics Fall Symposium – Coevolution Across Scales. September 2015.

University of Florida – Department of Entomology. September 2015.

Museu de Zoologia of the University of São Paulo, Brazil (MZSP). June 2015.

University of Chicago – Department of Ecology and Evolution. June 2015.

Harvard University – Symposium/Festschrift honoring Dr. Naomi Pierce. May 2015.

Field Museum of Natural History – A. Watson Armour III Seminar. April 2015.

University of Utah – Department of Biology. March 2015.

Lake Forest College – Beta Beta Beta Biological Honor Society (invited undergraduate student seminar speaker). March 2015.

University of California, Los Angeles – Department of Ecology and Evolutionary Biology. February 2015.

University of Tulsa – Department of Biological Sciences (invited graduate student seminar speaker). February 2015.

Cornell University – Department of Ecology and Evolutionary Biology (invited graduate student seminar speaker). January 2015.

Emory University – Department of Population Biology, Ecology, and Evolution (invited

graduate student seminar speaker). January 2015.

Stanford University – Department of Biology. November 2014.

Portland State University – Department of Biology. November 2014.

Michigan State University – Department of Ecology, Evolutionary Biology, and Behavior (Hubbell Memorial Lecture). September 2014.

Northeastern Illinois University – Student Center for Science Engagement. September 2014.

Purdue University – Department of Entomology. March 2014.

Roosevelt University – Department of Science seminar. March 2014.

University of New Orleans – Department of Biology seminar. February 2014.

University of Vermont – Department of Biology seminar. September 2013.

University of California, Riverside – Department of Entomology seminar. May 2013.

North Carolina State University – Department of Entomology (invited graduate student seminar speaker). May 2013.

George Washington University – Department of Biology seminar. April 2013.

James Cook University, Queensland, Australia – School of Marine and Tropical Biology. February 2013.

University of Michigan – Department of Ecology and Evolutionary Biology seminar. December 2012.

University of Wisconsin, Madison – Department of Entomology seminar. November 2012.

Rockefeller University – Laboratory of Insect Social Evolution seminar. September 2012.

University of California, Berkeley – Symposium honoring Dr. Craig Moritz. May 2012.

Yale University – Department of Ecology and Evolutionary Biology seminar. April 2012.

University of Central Florida – Department of Biology seminar. March 2012.

Earlham College – Department of Biology seminar. March 2012.

University of California, Riverside – Department of Biology seminar. February 2012.

Pennsylvania State University – Department of Entomology seminar. January 2012.

Miller Institute for Basic Research in Science (U.C. Berkeley) – Miller Annual Symposium. June 2011.

Drexel University – Department of Biology seminar series. May 2011.

American Museum of Natural History – Richard Gilder graduate school seminar series (invited graduate student seminar speaker). March 2011.

University of Chicago – Evolutionary Morphology seminar series. February 2011.

University of Guelph – Department of Integrative Biology seminar. September 2010.

Michigan State University – Department of Entomology seminar. September 2010.

Rutgers University – Divergence Time Estimation Symposium. January 2010.

University of Illinois, Champaign-Urbana – Department of Entomology seminar. September 2009.

University of Wisconsin, Milwaukee – Department of Biology seminar. March 2009.

Arizona State University – Ant Genomics meeting at the Center for Social Dynamics and Complexity. January 2009.

University of Chicago – Evolutionary Morphology seminar series. October 2008.

San Francisco State University – Department of Biology seminar. October 2008.

University of Illinois, Chicago – Department of Ecology and Evolution seminar. September 2008.

Field Museum of Natural History, Chicago – Field Museum Women's Board Outreach Luncheon Lecture and Panel Discussion. May 2008.

University of California, Berkeley – Museum of Vertebrate Zoology seminar. October 2007.  
Boston University – Department of Ecology, Behavior, and Evolution seminar. December 2006.  
University of Texas, El Paso – Department of Biological Sciences seminar. October 2006.  
School of The Museum of Fine Arts, Boston – Scientific presentation on social insects to compliment an art exhibit titled “Mound.” September 2005.

**Invited Diversity, Equity, and Inclusion Seminars, Panels, and Workshops:**

Resources for Inclusive Evolution Education (RIE2) inclusive teaching seminar. June 2024.  
Universidad Nacional Autónoma de México (UNAM) – Instituto de Biología seminar on equity in science. October 2023.  
Cornell University – Department of Entomology seminar on integrating DEIJ into classes, research, and extension. February 2023.  
University of Toronto – Department of Ecology and Evolutionary Biology panel (virtual). April 2022.  
University of Münster - Institute for Evolution and Biodiversity. December 2021.  
Holden Arboretum – Diversity, equity, and inclusion invited seminar (virtual). November 2021.  
Cornell University Advocacy Project – Women and gender minorities in STEM. October 2021.  
eCornell online live presentation – Bias, racism, and exclusion in STEM: Data and research. May 2021.  
Weill Cornell Medicine diversity week panelist (virtual). April 2021.  
Picture A Scientist women in science event at Cornell University, university wide (virtual). April 2021.  
University of Maryland (virtual) - Diversity, equity, and inclusion invited seminar to the College of Computer, Mathematical, and Natural Sciences. March 2021.  
Disrupt the System: A Social Justice Idea-thon (DTS). A student-run event at Cornell University. Diversity, equity, and inclusion invited seminar. March 2021.  
Picture A Scientist women in science event at Cornell University, Department of Chemistry and Chemical Biology invited panelist (virtual). March 2021.  
Wichita State University (virtual) – Diversity, equity, and inclusion invited seminar to the Department of Biology. February 2021.  
Cornell University (virtual) – Diversity, equity, and inclusion invited seminar to the Department of Biological and Environmental Engineering. January 2021.  
Cornell University (virtual) – Diversity, equity, and inclusion invited seminar to the Department of Ecology & Evolutionary Biology. December 2020.  
Picture A Scientist women in science event at Montana State University invited Keynote speaker (virtual). October 2020.  
BioBus (virtual) - BioBus's mission is to help minority, female, and low-income K-12 and college students in New York City discover, explore, and pursue science. Presented a diversity, equity, and inclusion invited seminar and workshop for their staff. September 2020.  
Center for Bright Beams (virtual) – A National Science Foundation Science & Technology Center. Presented a diversity, equity, and inclusion invited keynote for their annual meeting. July 2020.  
Cornell University (virtual) – Diversity, equity, and inclusion invited seminar to the Department of Chemistry and Chemical Biology. June 2020.  
Brown University – Providence 500 Women Scientist pod invited speaker. February 2020.  
Cornell University – First Generation and Low Income (FiGLI) graduate student group invited

speaker. January 2020.  
Cornell University – Diversity, equity, and inclusion seminar to the Department of Entomology. January 2020.  
University of Wisconsin, Madison – Diversity in Science invited seminar and workshop. May 2019.  
Entomological Society of America annual meeting – Female dominated societies: From ants to entomology. November 2018.  
Texas A&M University – Gender Bias In Science and Science Communication invited seminar and workshop. October 2018.  
University of New South Wales, Australia – Gender Bias In Science invited seminar and workshop presentation. September 2017.  
Chicago area NSF REU intern workshop – Diversity in Science invited seminar and workshop presentation. Annually 2016-2018.  
Rutgers University/New Jersey Institute of Technology – Women In Science invited workshop presentation. December 2015.  
Evolution Meeting in Brazil – Women In Science Luncheon co-organized and facilitated the workshop and breakout groups. June 2015.  
NSF iDigBio “Broadening Diversity in the Biological Sciences Workshop” at the Field Museum of Natural History on issues related to women in science. September 2014.  
Field Museum Women In Science – Presentation on issues faced by underrepresented groups in STEM fields. March 2013.

#### **Invited Academic Workshops and Panels:**

Cornell University – Mentoring Graduate Students Remotely panel (in response to remote working due to COVID-19). March 2020.  
Cornell University – Social Media in the Sciences panel. December 2019.  
Field Museum of Natural History – Early Career Scientists Grant Writing workshop. April 2017.

### **WORKSHOPS, RESEARCH, AND FIELD EXPERIENCES**

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#### **Invited Workshop Participation:**

Stoichiometry in Symbiosis workshop and invited speaker and participant hosted by Ohio State University Biology Integration Initiative (virtual). June 2021.  
Half Earth Day - Map of Life conference and invited workshop participant hosted by the E. O. Wilson Foundation, U.C. Berkeley, California, USA. October 2019.  
Genomics and Collections: Adaptation to Macroevolution conference and workshop invited speaker, Australia National University and CSIRO, Canberra, Australia. September 2017.  
Social Evolution and Genome Complexity workshop and invited speaker at Columbia University, New York, New York. March 2017.  
Wildlife Institute of India and University of Chicago Center in Delhi "The Role of Parks and Sanctuaries in Protecting India's Biodiversity" invited Keynote speaker, conference speaker, and conference participant in New Delhi, India. May 2016.  
Kavli Frontiers of Science – National Academy of Sciences and Alexander Von Humboldt Foundation invited conference participation in Potsdam, Germany. March 2016.  
National Academies Keck Futures Initiative (NAKFI) “Collective Behavior: From Cells to Societies” invited conference participant in Irvine, California, USA. November 2014.

NESCent (National Evolutionary Synthesis Center) "Evolution and community ecology of host-associated microbiota" invited workshop participant in Durham, North Carolina, USA. October 2014.

Large Data Management Genomic Biodiversity Summit (sponsored by Microsoft and Internet2) at the University of Kansas invited conference and panelist participant in Lawrence, Kansas, USA. September 2014.

NESCent (National Evolutionary Synthesis Center) "Evolution of the Indoor Biome" invited workshop participant in Durham, North Carolina, USA. June 2013.

Miller Institute for Basic Research in Science (U.C. Berkeley) – Miller Annual Symposium invited participant. 2008, 2009, 2010, 2011, 2012, 2016.

Workshop In Molecular Evolution, Woods Hole, Massachusetts. The Workshop consists of a series of lectures, demonstrations, and computer labs that cover various aspects of molecular evolution. August 2005.

CIPRES Graduate Student Retreat: Taos, New Mexico. The retreat is focused on bringing together biologists, mathematicians, and computer scientists to discuss issues in networks, multiple sequence analysis, phylogenetic reconstruction, modeling and simulation, and databases. July 2005.

### **Research Experiences:**

James Cook University, Townsville, Queensland, Australia invited Visiting Scholar in the Center for Tropical Biodiversity and Climate Change. January – February 2013.

Joint Genome Institute, Walnut Creek, California. Guest Researcher of the Evolutionary Genomics Group. August 2001–June 2003.

South African Museum in Cape Town, South Africa. Five-week visit to work in the scientific collections. March 2002–April 2002.

### **Field Research Experiences:**

Australia: Wet Tropics of Queensland. 2007, 2009, 2013, 2014.

Borneo, Malaysia: Danum Valley Research Center; Malau Basin Conservation Area. 2010, 2014.

China: Xishuangbanna Tropical Botanical Garden (XTBG). 2023.

Costa Rica: Santa Rosa National Park. 2012.

Ecuador: Tiputini Biological Station; Jatun Sacha Bilsa Biological Station; Yasuni National Park. 2004.

French Guiana: La Réserve Naturelle Nationale des Nouragues; Petit Saut. 2016, 2017, 2018.

India: West Bengal - Chapramari Wildlife Sanctuary and Mouchaki National Park. 2016.

Madagascar: Several sites along eastern and southern coasts. 2001–2002.

Mozambique: Gorongosa National Park, E.O. Wilson Biodiversity Center. 2016.

Panama: Barro Colorado Island (BCI); Gamboa. 2015.

Peru: Los Amigos Biological Station; Project Amazonas Conservation Area; Villa Carmen Manu Biosphere Reserve; Wayqecha Biological Station. 2004, 2013.

Uganda: Kabale Biological Station. 2012.

USA: Arizona, California, Florida, Illinois, New Mexico, New York, Texas. 2001–present.

Venezuela: Rancho Grande Biological Station. 2008.

### **Educational Tour Leader Experience:**

Tanzania, Africa: Led Field Museum educational tour of 16 guests on a two-week safari through the Serengeti, Ngorongoro Crater, Lake Manyara, Arusha National Park, and Olduvai Gorge. February 2016.

## **SCIENTIFIC EDUCATION AND OUTREACH**

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### ***Video, Radio, Blog, and Podcast Interviews:***

Interviewed for PBS Eons YouTube channel about three of my published papers on ant evolution (2023): <https://youtu.be/Wp8ux8Xlj48?si=Jb8d7GZfKR50Md3m&t=33>

Podcast interview for Who's Missing podcast (2023): <https://www.whosmissingpodcast.com/dr-corrie-moreau>

National Science Foundation featured CUIC exhibit (2022): <https://beta.nsf.gov/science-matters/unsung-insect-heroes>

Women in Entomology – The Superheroes of Insect Science video panel (2022) for WSKG: <https://wskg.org/women-in-entomology-meet-the-superheroes-of-insect-science/>

National Science Foundation featured Scientist Selfie (2022):

<https://www.youtube.com/watch?v=2QoSg7mUZCc&t=132s>

Podcast interview for the Big Biology podcast (2022): <https://anchor.fm/bigbiology>

Video interview for the National Academies of Sciences and Engineering for The Science & Entertainment Exchange and LabX (2021):

[https://www.youtube.com/watch?v=hRTm\\_g\\_pIA8](https://www.youtube.com/watch?v=hRTm_g_pIA8)

Podcast interview for the KUOW “THE WILD with Chris Morgan” podcast (2020):

<https://kuow.org/stories/the-tiniest-farmer-on-earth>

Podcast interview for the Biology of Superheroes podcast (2020):

<https://thebiologyofsuperheroespodcast.podbean.com/e/episode-16-antman-the-biology-of-ants/>

Podcast interview for Brains On! children's podcast (2020):

<https://www.brainson.org/shows/2020/08/11/poop-party-your-poo-questions-answered>

Video interview and podcast for Ferment TV as part of Ginkgo Bioworks “Emergent Ecologies in Art and Science” with artist Anicka Yi (2020).

Podcast interview for There Are No Girls On the Internet podcast (2020):

<https://podcasts.apple.com/us/podcast/there-are-no-girls-on-the-internet/id1520715907?i=1000495457304>

Video presentation for “A Scientist Walks Into A Bar” via the Hideout Bar in Chicago (2020).

Interviewed for three videos as an E.O. Wilson Foundation Half-Earth Project Educator (2020):

<https://www.half-earthproject.org/half-earth-project-educator-ambassadors/#resources>

Featured on National Geographic Women of Impact (2018):

<https://www.nationalgeographic.com/science/2018/07/ants-evolution-corrie-moreau-women-in-biology/>

Featured in Swarm Intelligence video for Massive Science (2018):

<https://massivesci.com/articles/naked-mole-rat-ant-colony-swarm-intelligence/>

Featured on the Ant Network video series "Turtle Ants, Gut Microbes, & Citizen Science" (2018): <https://www.youtube.com/watch?v=j9LAKRDraKw>

Interviewed for *Insectes Sociaux* blog ("Interview with a Social Insect Scientist") (2017):

<https://insectessociaux.com/2017/09/16/interview-with-a-social-insect-scientist-corrie-moreau/>

Featured in the "Office Hours" YouTube series (2017):  
<https://www.youtube.com/watch?v=9Zk2Fvt6eyY&feature=youtu.be>

Interviewed for This Week in Evolution (TWiEVO) podcast (2016):  
<http://www.microbe.tv/twievo/twievo-13/>

Interviewed for STEMxm podcast (2016): <http://www.stemxm.com/>

Interviewed for Tumble podcast (2016): <http://www.sciencepodcastforkids.com/-!The-Tale-of-How-Ants-Conquered-the-Earth-with-Corrie-Moreau/t6z7u/57c05029f97b695dfdf49541>

Featured in the "Office Hours" YouTube series (2016): <https://youtu.be/PwvtelLCCEA>

Featured in Smithsonian Magazine for their annual "Field Notes" interview (2016).

Video presentation for National Academies of Sciences - Kavli Frontiers of Science symposium (2016): <https://vimeo.com/159801735>

Interviewed for Science For the People podcast (2016):  
<http://www.scienceforthepeople.ca/episodes/insects-en-masse>

Featured on The Brain Scoop YouTube channel for a video titled "Bullet Ant Venom" (2015):  
<https://youtu.be/wNCD3rLbCBk> (>2,000,000 views)

Featured on The Brain Scoop YouTube channel for a video titled "Dissecting Ants" (2015):  
<https://youtu.be/DOHGz4RPLwc> (>200,000 views)

Featured on The Brain Scoop YouTube channel for a video titled "Romantic Ants" (2014):  
<http://youtu.be/hWWw3SHCIAw> (>115,000 views)

Blog interview for Before They Were Scientists (2014):  
<http://www.yourwildlife.org/2014/12/before-they-were-scientists-corrie-moreau/>

Radio interview for Chicago Public Radio WBEZ Worldview program EcoMyths (2014):  
<https://soundcloud.com/wbez-worldview/ecomyths-bugs-are-out-to-get-us> AND-  
<http://www.ecomythsalliance.org/2014/10/myth-bugs-are-out-to-get-you/>

Online interview for *Chicagoist* online article "Ask a Scientist" (2014):  
[http://chicagoist.com/2014/09/27/ask\\_a\\_scientist\\_an\\_insect\\_edition\\_w.php](http://chicagoist.com/2014/09/27/ask_a_scientist_an_insect_edition_w.php)

Appeared on The Brain scoop YouTube channel for a video titled "Into Peru" (2014):  
<http://youtu.be/8XosNhrNGki?list=UUkyfHZ6bY2TjqbJhiH8Y2QQ>

Video interview for Fields of Thought series (June 2014):  
<http://www.fieldmuseum.org/multimedia/video-fields-thought>

Provided photographs, scientific content, video, and interviewed for *Science News* iPad article: "It's alive: Turtle ants have just one trick, but it's a good one" (September 2013).

Participated in a freely available online video discussion on host-microbe interactions and the hologenome (August 2013): <http://www.youtube.com/watch?v=YNH10abqhEk>

Guest blog post on Your Wild Life "Not all bugs in your home are bad" (May 2013):  
<http://www.yourwildlife.org/2013/05/not-all-the-bugs-in-your-home-are-bad/>

Interviewed by *Nature* for an article about our recent publication in *Evolution* testing the "museum" versus "cradle" tropical diversity hypotheses in ants (April 2013):  
<http://www.nature.com/news/why-the-tropics-are-an-evolutionary-hotbed-1.12846>

Blog interview for Cool Science Job in Chicago (March 2013):  
<http://letubeu.com/2013/02/26/coming-soon-cool-science-job-in-chicago-studying-ants-at-the-field-museum/>

Interviewed by the *Chicago Tribune* for an article about urban ant collecting and citizen science (July 2012): <http://www.chicagotribune.com/news/local/ct-met-citizen-sci-ants->

[20120727,0,433557.story](#)

Interviewed for NPR's News Blog "The Two Way" about the NPR AntCam (May 2012):  
<http://www.npr.org/blogs/thetwo-way/2012/05/18/153035706/fungus-fruit-flies-old-age-its-the-end-times-for-nprs-antcam>

Video interview for Field Museum Women's Board "Women in Science" programs (April 2012): <http://vimeo.com/42737450>

Radio interview for Chicago radio station (101.9 fm) on "MIX Matters" (April 2012):  
[http://www.wtmx.com/podcasts/mixmatters/20120417-The\\_Romance\\_of\\_Ants\\_at\\_the\\_Field\\_Museum\\_with\\_curator\\_Dr.\\_Corrie\\_Moreau.mp3](http://www.wtmx.com/podcasts/mixmatters/20120417-The_Romance_of_Ants_at_the_Field_Museum_with_curator_Dr._Corrie_Moreau.mp3)

Video interview for the Field Museum's "The Field Revealed" series on "Turtle ants" (September 2011): <http://fieldmuseum.org/explore/multimedia/video-turtle-ants> -or- <http://vimeo.com/29457507>.

Interviewed for the "Science at FMNH" podcast series (August 2011):  
<http://fieldmuseum.org/explore/sciencepodcasts>

Interviewed by the *Daily Herald* for an article about increased ant populations and home invasions for the print and online newspaper (June 2011):  
<http://www.dailyherald.com/article/20110629/news/706299880/>

Featured Scientist for the Field Museum's Expeditions website which included creating three short videos about my research and ants and climate change (January – March 2010):  
<http://expeditions.fieldmuseum.org/australian-ants>

Answer questions from the general public as an "expert" on Antweb's AntBlog (<http://www.antweb.org/antblog/>).

### **Public Museum Exhibits:**

Lead curator for "From Nabokov's Net: Nabokov's contributions to butterfly science & the Cornell University Insect Collection" public museum exhibit at the Mann Library at Cornell University in Ithaca, NY (open March – July 2024):  
[https://events.cornell.edu/event/exhibit\\_from\\_nabokovs\\_net\\_nabokovs\\_contributions\\_to\\_butterfly\\_science\\_the\\_cornell\\_university\\_insect\\_collection](https://events.cornell.edu/event/exhibit_from_nabokovs_net_nabokovs_contributions_to_butterfly_science_the_cornell_university_insect_collection)

Content contributor for "Wonder and Wakefulness: The Nature of Pliny the Elder" public museum exhibit at the Johnson Museum of Art at Cornell University in Ithaca, NY (open January – June 2023): <https://museum.cornell.edu/exhibition/wonder-and-wakefulness-the-nature-of-pliny-the-elder/>

Lead curator for "Six-Legged Science: Unlocking the Secrets of the Insect World" public museum exhibit at the Museum of the Earth, Ithaca, NY (open March 2022 – January 2023; over 19,000 visitors to exhibit): <https://www.museumoftheearth.org/six-legged-science>

Lead curator for "The Romance of Ants" public museum exhibit at the Field Museum of Natural History (open July 2010 – January 2012; over 500,000 visitors to exhibit):  
<http://fieldmuseum.org/happening/exhibits/romance-ants>

Content contributor for "SPECIMENS: Unlocking the Secrets of Life" public museum exhibit at the Field Museum of Natural History (open March 2017 – December 2017).

Content contributor for "The Machine Inside: Biomechanics" public museum exhibit at the Field Museum of Natural History (open March 2014 – January 2015; international exhibit tour 2014 – onward).

Content contributor for "Nature's Toolbox: Biodiversity, Art, and Invention" public museum exhibit at the Field Museum of Natural History (open May 2012 – December 2012).

Participated on many occasions in the “Talk to the Scientist” hour in the Field Museum’s public exhibit DNA Discovery Center.

**K-12 Student and Teacher Training:**

Skype A Scientist five presentations to 6<sup>th</sup> and 7<sup>th</sup> grade students at Sedgwick Middle School. October 2021.

Urban Barcode Symposium Keynote Address - The Urban Barcode Project (UBP) is a science program spanning the five boroughs of New York City and the surrounding metropolitan area. The UBP is the first large-scale effort to engage high school students using DNA technology to explore biodiversity in New York City, NY, USA. June 2020.

[https://www.youtube.com/watch?v=VgAhVtDdrZM&feature=emb\\_logo](https://www.youtube.com/watch?v=VgAhVtDdrZM&feature=emb_logo)

X-STEM Extreme STEM Symposium for the USA Science & Engineering Festival invited "top" science speaker to 3000 middle & high school students, Washington, D.C., USA. April 2017.

Created a double-sided “Ants of the Florida Keys” poster and list of K-12 educator resources that comply with the US national Next Generation Science Standards, so teachers can extend the use of the poster for teaching about biodiversity, ecology and evolution in the classroom.

These resources were mailed to over 350 K-12 science teachers in southern Florida and the Chicago region (March 2013).

Collaborated with the Field Museum’s Education Department to coordinate the Crown Family Play Lab “Ants Month” (March 2013).

Lead workshop and lecture for the Youth Design Team academic course offered through the Field Museum (October 2012). This course for academic credit gives students in 10<sup>th</sup> – 12<sup>th</sup> grade from across the Chicago region the opportunity to actively participate in science, museum studies, and exhibit design.

Co-lead the IMLS funded “Cultivating Curiosity” workshop as part of the “Families First” workshop series sponsored by the Field Museum’s Education Department (October 2011).

Gave a tour and presentation to high school teachers-in-training as part of the University of Chicago's Urban Teacher Education Program (UTEP) (June 2011).

Gave tours to CIMBY high school science summit student participants (May 2011).

Co-lead the IMLS funded “Investigations into Science” workshop as part of the “Parents as Educators” workshop series sponsored by the Field Museum’s Education Department (April 2011).

Gave seminar on teaching evolution in the classroom to elementary high school teachers as part of the Early Elementary Science Partnership (E2SP) program (March 2011).

CoolHub Global Science Seminar presentation for STEM teaching and learning. Online, realtime, interactive presentation to high school students from around the world titled “Ants, DNA, and Bacteria, Oh My!” (October 2010):

<http://coolhub.imsa.edu/cybercollab/web/global-science-seminar/public-view-of-project>

Gave lecture and lead tour to the summer 2010 “High School Transformation Project” Chicago public high school science interns (June 2010).

Gave a lecture and participated in the short film created for the exhibit for the FMNH Museology Course for middle school students from Chicago area schools (January 2010).

Gave two lectures for the FMNH-AAAS Middle School Summit on Evolution to promote science education to middle school students from Chicago inner city schools (January 2009).

Participated in the AAAS “Breakfast with Scientists” event to encourage retention of high school students in science careers (January 2009).

Gave four lectures to public high school students at Oakland (California) Leadership Public Schools College Park titled "What do scientists do and how do you become one" (October 2008).

**Other Forms of Public Outreach:**

Invited panel participant "Women in Evolutionary Biology" for the Paleontological Research Institute's "Darwin Days" (2021): <https://www.priweb.org/event/darwin-days>

New York Tompkins County Environmental Management Council presentation on insect declines and climate change (2020).

Insectapalooza participation for two exhibits (Ants! and Insect Diversity) for ~3000 visitors (2019).

Public presentations at Pioneer Works for the Scientific Controversies series - Swarm Intelligence in Brooklyn, New York (2018): <https://pioneerworks.org/programs/scientific-controversies-no-16-swarm-intelligence/>

March for Science Iowa invited rally speaker, Des Moines, IA, USA. (2017).

Public seminar for Secret Science Club at the Bell House, Brooklyn, New York (2017): <http://secretscienceclub.blogspot.com/2017/02/secret-science-club-presents.html>

Member of the SACNAS (Society for Advancement of Hispanics/Chicanos and Native Americans in Science) Social Media Street Team to help promote the activities during the annual meeting in Long Beach, CA, USA (2016).

Invited lecture for Illinois Humanities Council "Elective Studies Supper Club", a monthly lecture and dinner series in which artists gather to hear from and meet exciting thinkers from outside of the arts (2016): <https://www.ilhumanities.org/program/elective-studies/>

Public seminar for Pint of Science, a global science festival, on the diversity and function of animal associated bacteria (2015): <http://pintofscience.us/event/we-didnt-choose-the-bug-life-it-chose-us/>

Public seminar for Evolution @ Revolution Brewery on the role of microbes in human and ant evolution (2015): <http://www.fieldmuseum.org/at-the-field/programs/evolution-revolution>

Invited panel participant "Evolution of Evolution: Darwin's Impact on Natural Science" for the Lookingglass Theater's "In the Garden: A Darwinian Love Story" play about Charles and Emma Darwin (2014): [http://lookingglasstheatre.org/event\\_page/in-the-garden-a-darwinian-love-story/](http://lookingglasstheatre.org/event_page/in-the-garden-a-darwinian-love-story/)

Lead scientific tours for the Field Museum's Dozin' with the Dinos overnight program (2014).

Expert on Antweb's AntAsk blog (<http://www.antweb.org/antblog/>), where we field questions from ~200 people per year. 2010–2014.

Content advisor for the Field Museum's freely available iPhone application "Specimania" (November 2011): <http://itunes.apple.com/us/app/specimania/id480234800?mt=8>

Participated in the Year of Science "Zine-a-thon Contest" 2009 as a Judge: <http://www.yearofscience2009.org/about/zine-judges.html>

Lead tours of Field Museum's scientific collections and/or DNA laboratory to: Landmarks Illinois society (2013); Australian Consul General (2013).

**INSTITUTIONAL SERVICE**

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**Cornell University Administrative Service**

CALS Senior Associate Dean of Diversity, Equity, and Inclusion (2023-present).

Director and Head Curator of the Cornell University Insect Collection (CUIC) (2019-present).

**Cornell University Institutional Service**

**Cornell University-Wide and College-Wide Committees:**

Cornell Office of Faculty Development and Diversity (OFDD) Advisory Committee (2023-present).

Genome Biology Task Force – Provost’s Radical Collaboration tasked with identifying, recruiting, and hiring star faculty at all levels (2021-2022).

CALS Dean’s Roadmap to 2050 strategic planning – Diversity, equity, and inclusion committee member (2022).

Anti-Racism Working Group S – University level committee charged with proposing anti-racism learning requirements for all students (2020-2021).

Advisory Science Board Member of the Comstock Publishing imprint for Cornell University press (2020-2022).

Presidential Life Scholars Fellowship (PLSF) Selection Committee member (2021-2022).

Cornell Schwartz Research Fund for Women and other Underrepresented Faculty in the Life Sciences review committee member. (2019-2020).

**Cornell University Departmental Committees:**

Collection Committee Chair of the Department of Entomology - Chair (2019-present).

Early career faculty mentoring committees: EEB – Leslie Babonis (2021-present); Microbiology – Mar Schmidt (2022-present).

Diversity, Equity, & Inclusion Committee member of the Department of Entomology (2020-2023).

Diversity, Equity, & Inclusion Committee member of the Department of Ecology and Evolutionary Biology (2020-2023).

Public Outreach & Insectapalooza Planning Committee member of the Department of Entomology (2019-2022).

DEIJB (Diversity, Equity, Inclusion, Justice and Belonging) Working Group member of the Department of Ecology & Evolutionary Biology (2020-2021).

Awards and Nominations Committee Chair of the Department of Entomology - Chair (2019-2020).

Graduate Admissions Committee member of the Department of Ecology and Evolutionary Biology (2019-2020).

Seminar Committee member of the Cornell Institute of Host-Microbe Interactions and Disease (CIHMID) (2019-2020).

Curriculum & Teaching Committee member of the Department of Entomology (2019-2020).

**Cornell University Search Committees:**

Staff Search Committee member (Lead for Diversity, Equity, and Inclusion) for the Lab of Ornithology. (2023)

Faculty Search Committee DEI liaison representative and member (Tree Fruit Entomologist) of the Department of Entomology. (2021).

Faculty Search Committee member (Organismal Biology) of the Department of Ecology and Evolutionary Biology. (2019-2020).

**Cornell University Graduate Field Membership:**

Entomology Graduate Field Membership (2018-present).

Ecology and Evolutionary Biology Graduate Field Membership (2018-present).

**Cornell University Undergraduate Academic Advising:**

Academic advisor for Entomology majors (2019-present).

Academic advisor for Biological Sciences majors (2019-present).

**Cornell University Diversity, Equity, and Inclusion Activities:**

Diversity, Equity, & Inclusion Committee member of the Department of Entomology (2020-2023).

Diversity, Equity, & Inclusion Committee member of the Department of Ecology and Evolutionary Biology (2020-2023).

DEI graduate recruitment. SACNAS November 2020. ABRCMS November 2021. SACNAS November 2023.

OISE Future Faculty invited presentation on Developing a Strategic Social Media Presence. June 2020.

NextGen Professors - Advancing Diverse Future Faculty invited panelist. February 2020.

First Generation and Low Income (FiGLI) graduate student group invited speaker. January 2020.

Diversity Preview Weekend faculty participant. 2019, 2021, 2022.

**Field Museum Administrative Service**

Appointed Robert A. Pritzker Director of the Integrative Research Center (2017-2018).

Founder and Co-Chair of the Curatorial Faculty Senate, an advocacy and advisory group of all curatorial faculty and liaison to the Administration and Board of Trustees at the Field Museum (2015-2017).

Founder and Steering Committee Chair of the Field Museum Women in Science (FMWIS) group: <http://fieldmuseum.org/explore/field-museum-women-science> (2013-2018).

Scientific Advisor to the Executive Committee of the Women's Board of the Field Museum (2015-2018).

Served as an invited participant of the Field Museum's Mission Committee initiated by the new Field Museum President, Richard Lariviere, that helped to create a revised mission statement for the institution (2013).

Served as Field Museum interim Division of Insects Chair on several occasions (2008-2013).

**Field Museum Institutional Service**

Served on the Field Museum Pritzker Molecular Laboratory Management Committee (2008-2018).

Served on the Field Museum Collaborative Invertebrates Laboratories Management Committee (2013-2018).

Education tour leader for Field Museum safari two-week tour in Tanzania (2015).

Served on the Field Museum Seminar Committee (Field Museum A. Watson Armour III Research Seminar) (2013-2016).

Served on the Field Museum multi-departmental Communications Council to facilitate and implement initiatives to increase internal and external communication (2013-2015).

Served on the Field Museum Web Working Group to prioritize and participate in the rebuild of the public museum website (2014).

Served as the Secretary of the Field Museum chapter of the American Association of University Professors (AAUP) (2011-2013).

Initiated a seminar series called “Meet Your Scientists!” specifically for the Field Museum operations and support staff (Housekeeping, Security, Guest Relations, Museum Stores, and Facilities) to have the opportunity to learn about the collections and research of the scientific staff and gave inaugural presentation (2013-2014).

Served as an invited member for the Field Museum’s President’s Ad Hoc Committee initiated by the Field Museum President, Richard Lariviere, to help formulate a plan for fiscal responsibility and new scientific initiatives (2012-2013).

Worked with the United States Secret Service and Chicago Police Department to prepare for a NATO event held at the Field Museum (2012).

Served as an invited participant for the Field Museum’s external review committee “Envisioning the Future Initiative” initiated by Field Museum President, John McCarter (2011).

### **University of Chicago Institutional Service**

Served on the University of Chicago’s Committee on Evolutionary Biology (CEB) Graduate Admissions Committee (2013-2018).

Served as a Member and Faculty Recruiter for the University of Chicago’s Biological Sciences Division Diversity Committee (BDC) (2013-2017).

Served on the University of Chicago’s Committee on Evolutionary Biology (CEB) Committee for Student Research Support grant selection committee (2012-2015).

## **PROFESSIONAL SERVICE TO DISCIPLINE**

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### **Editorial Boards:**

Editorial Advisory Board – Advisory Board Member, *Current Research in Insect Science* journal 2020 – 2024.

Editorial Board – Associate Editor, *Evolution Letters* journal 2020 – 2023.

Editorial Board – Associate Editor, *Systematic Biology* journal 2020 – 2023.

Editorial Board – Section Editor, *Encyclopedia of Biodiversity*, 3<sup>rd</sup> Edition, Elsevier 2021 – 2023.

Editorial Board – Associate Editor, *Molecular Ecology* journal 2014 – 2021.

Editorial Board – Associate Editor, *Molecular Ecology Resources* journal 2014 – 2021.

Editorial Board – Editorial Board Member, *Biology Letters* journal 2017 – 2020.

Guest Editor – Editorial Board Guest Editor for one manuscript, *Proceedings of the National Academy of Sciences, USA* 2018.

Editorial Board – Editorial Board Member, *Applied and Environmental Microbiology* journal 2015 – 2018.

Editorial Board – Associate Editor of Life Sciences, *Fieldiana* journal 2016 – 2017.

Editorial Board – Section Editor, *PLOS ONE* journal 2013–2016.

Editorial Board – Academic Editor, *PLOS ONE* journal 2009–2016.

Editorial Board – Subject Editor, *Ecography* journal 2014–2017.

Editorial Board – Review Editor, *Frontiers In Phylogenetics, Phylogenomics, and Systematics* journal 2013–2016.

Editorial Board – Review Editor, *Frontiers In Systems Microbiology* journal 2013–2016.

Editorial Board – Subject Editor, *Myrmecological News* journal 2011–2016.

Editorial Board – Editor, *Halteres* journal 2013–2016.

Editorial Board – Editor, *Axios Review* (an independent peer-review service) 2013–2016.

Served as an editor and organized the following special issues:

- *Molecular Ecology* Special Issue (2018: Vol. 27, Issue 8, Pages 1749-2172): The host-associated microbiome: Pattern, process and function (Editors: Laura Wegener Parfrey, Corrie S. Moreau and Jacob A. Russell)

### **Scientific Society Service:**

#### *Currently:*

President elect (2023), President (2024), and Past President (2025) of the Society of Systematic Biologists (SSB).

Invited member of the American Association for the Advancement of Science (AAAS) “SciLine” which is a free service to connect print, broadcast, and digital media journalists working on science-related stories with experts from academia and industry who can articulately explain and opine on scientific findings and issues in the news 2017–present.

Invited member of the Entomological Society of America's "long-term, in-house list of expert entomology sources for media relations efforts" 2017–present.

Member of the Ento Allies - The purpose of Ento Allies is to create visible and vetted colleagues that are available for conference attendees to talk to confidentially about their concerns, and to support them during our annual Entomology conferences. (<https://entoallies.org>) 2016–present.

Member of the Evo Allies - The purpose of Evo Allies is to create visible and vetted colleagues that are available for conference attendees to talk to confidentially about their concerns, and to support them during our annual Evolution conferences. (<https://www.evolutionmeetings.org/safe-evolution.html>) 2019–present.

#### *Previously:*

Appointments Committee to identify the next Editor in Chief for *Evolution Letters* a Society for the Study of Evolution (SSE) and the European Society for Evolutionary biology (ESEB) journal 2022.

Nominations Committee Member for the Society of Systematic Biologists (SSB) 2018–2021.

Committee on Diversity and Inclusion for the Entomological Society of America member-at-large 2018–2020.

Elected Council Member for the Society of Systematic Biologists (SSB) 2014–2016.

Member of the SACNAS (Society for Advancement of Hispanics/Chicanos and Native Americans in Science) Social Media Street Team to help promote activities during the annual meeting (Long Beach, CA, USA) 2016.

Genomic Standards Consortium (GSC) member ([http://wiki.gencs.org/index.php?title=GSC\\_Membership](http://wiki.gencs.org/index.php?title=GSC_Membership)) 2012–2015.

Faculty mentor at the Evolution Meetings for SSB/SSE Undergraduate Diversity program (one or two students each year): Portland, Oregon (2010); Snowbird, Utah (2013); Raleigh, North Carolina (2014); Austin, Texas (2016) Providence, Rhode Island (2019).

Faculty mentor at the Society for Integrative and Comparative Biology (SICB) for the Broadening Participation mentorship program: New Orleans, Louisiana (2017).

Society for the Study of Evolution (SSE) - Hamilton Award judging for best student presentation (Evolution Meetings, Guarujá, Brazil) 2015.

American Naturalists Society (ASN) - Ruth Patrick Award judging for best student posters (Evolution Meetings, Guarujá, Brazil) 2015.

Society of Systematic Biologists (SSB). Membership Committee member 2009–2010.

Entomological Society of America annual meeting student competition moderator and judge 2007 & 2011; symposium moderator 2013.

Society of Systematic Biologists (SSB). Graduate Student Award Competition judge. 2013.

Organized and hosted the following invited symposia at scientific conferences:

- Cold Springs Harbor Laboratory – Biology of Genomes (2022): “Complex Traits and the Microbiome”.
- Entomological Society of America – Systematics, Evolution, and Biodiversity virtual symposium (2020): “Myrmecology For All: Combining Morphology, Molecules, Ecology, and Behavior to Advance Ant Systematics”.
- Society for Advancement of Hispanics/Chicanos and Native Americans in Science (SACNAS) in Long Beach, California, USA – Ecology and Evolution symposium (2016): "(Day and) Night at the Museum: Exploring Research in Ecology and Evolution behind the Scenes of Natural History Museums".
- Evolution Meeting – Society of Systematic Biologists (SSB) symposium in São Paulo, Brazil (2015): “Breaking Barriers: Empirical, Theoretical, and Gender Issues in Phylogenetics”.
- International Union for the Study of Social Insects (IUSSI) in Queensland, Australia (2014): “Biogeography, macroecology and macroevolutionary dynamics of social insects”.

**Academic Departmental External Reviewer:**

University of Colorado, Boulder – Department of Ecology & Evolutionary Biology (2019).

**Tenure and Promotion External Reviews (number of reviews in parentheses):**

American Museum of Natural History (1); Arizona State University (1); City University of New York (1); Earlham College (1); Louisiana State University (1); Pennsylvania State University (1); Princeton University (1); Providence College (2); School of the Art Institute of Chicago (1); Smithsonian National Museum of Natural History (1); Texas A&M (1); University of British Columbia (1); University of California, Berkeley (1); University of California, Riverside (2); University of Central Florida (1); University of Connecticut (1); University of Florida (1); University of Hong Kong (1); University of Michigan (1); University of Minnesota (1); University of Southern California (1); University of Rochester (1); University of Utah (2); University of Wyoming (1).

**External Academic Examiner:**

External examiner for Earlham College’s Department of Biology (Richmond, Indiana) for the oral exam portion of their senior comprehensive exams for undergraduates with majors in ecology/evolution/behavior (2012).

External Ph.D. examiner for the University of Stellenbosch, South Africa (2013).

External Ph.D. review committee member for Sorbonne University, Paris, France (2019).

External Ph.D. review committee member for University of New South Wales, Australia (2019).  
External faculty candidate review committee member for the University of Copenhagen, Denmark (2021).  
External Ph.D. examiner for the University of Toronto, Canada (2022).

**Grant Reviewer for the following Funding Agencies (number of reviews in parentheses):**

*Grant Panel Officer:* National Science Foundation (NSF) (4 panels): February 2011; April 2012; October 2014; June 2019.

*Invited Grant Workshop Participant:* National Science Foundation (NSF) invited workshop participant (4 workshops): July 2011 (São Carlos, Brazil); November 2011 (Atlanta, Georgia, USA); February 2015 (Washington, D.C., USA); March 2017 (Washington, D.C., USA); January 2020 (Gainesville, Florida, USA).

*United States Ad Hoc Grant Reviewer:* National Science Foundation (NSF) (93); National Geographic Society (NGS) (7); University of California – Division of Agriculture and Natural Resources (UC ANR) (1); Graduate Women In Science (GWIS) - National Fellowship Program (5); U.S. Army Research Office (1).

*International Grant Reviewer:* AAAS reviewer for King Abdulaziz City for Science and Technology in Saudi Arabia (KACST) (4); Austrian Science Fund (FWF) (2); European Research Council (1); French National Research Agency (ANR) (1); Hungarian Scientific Research Fund (OTKA) (1); Israel Science Foundation (ISF) (1); Vienna Science and Technology Fund (WWTF) (1); South Africa National Research Foundation (NRF) (2).

**Fellowship Reviewer for the following Foundations (number of reviews in parentheses):**

MacArthur Foundation Fellows ("Genius") Program (2); Maxwell/Hanrahan Award in Field Biology (2).

**Book Reviewer for the following Publishers (number of reviews in parentheses):**

Harvard University Press (1); Springer Publishing (1).

**Journal Reviewer (>100 reviews for over 50 journals):**

*American Naturalist* (1); *Annals of the Entomological Society of America* (3); *Applied and Environmental Microbiology* (6); *Arthropod-Plant Interactions* (1); *Australian Journal of Zoology* (1); *Biological Journal of the Linnean Society* (3); *Biology Letters* (3); *BioScience* (2); *BMC Evolutionary Biology* (2); *Current Biology* (2); *Current Opinion in Behavioral Sciences* (1); *Ecography* (1); *Ecology* (1); *Ecology and Evolution* (1); *Ecology Letters* (1); *Evolution* (3); *Functional Ecology* (1); *Genetics Research* (1); *Genome Biology* (1); *Genome Biology and Evolution* (1); *Insect Conservation and Diversity* (1); *Insect Systematics & Diversity* (2); *Insect Systematics & Evolution* (1); *Insectes Sociaux* (1); *Invertebrate Systematics* (1); *iScience* (1); *Journal of Biogeography* (5); *Journal of Evolutionary Biology* (1); *Journal of Insect Conservation* (1); *Journal of Insect Science* (2); *Methods in Ecology and Evolution* (1); *Microbial Ecology* (1); *Molecular Ecology* (9); *Molecular Phylogenetic and Evolution* (5); *Myrmecological News* (1); *Nature* (2); *Nature Communications* (5); *Nature Ecology & Evolution* (2); *Nature Plants* (1); *Naturwissenschaften* (1); *Organism Diversity and Evolution* (1); *PeerJ* (2); *PLOS ONE* (3); *PNAS Nexus* (1); *Proceedings of the National Academy of Sciences USA* (8); *Proceedings of the Royal Society B* (4); *Science* (2); *Scientific Reports* (3); *Systematic Biology*

(1); *Systematic Entomology* (1); *The ISME Journal* (5); *Trends in Genetics* (1); *Zoological Journal of the Linnean Society* (1); *Zoology* (1); *Zootaxa* (11).

## **MEDIA EXPERIENCES**

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- 2024 Interviewed by *National Geographic* about a new study on ant social behavior: <https://www.nationalgeographic.com/animals/article/carpenter-ant-amputation-wound-treatment-first>
- 2024 Interviewed by *The Guardian* about how invertebrates play central role in shaping our world: <https://www.theguardian.com/environment/2024/apr/09/small-but-mighty-how-invertebrates-play-central-role-in-shaping-our-world>
- 2024 Invited subject matter expert for PBS Insectarium episode on “How ants make our cities healthier”: <https://www.youtube.com/watch?v=xmQnOFFWKOE>
- 2023 Interviewed by *The Guardian* about mysteries scientists would like solved: [https://www.theguardian.com/environment/2023/dec/26/great-unknowns-nine-top-scientists-on-the-one-mystery-on-earth-theyd-like-to-solve?CMP=share\\_btn\\_tw](https://www.theguardian.com/environment/2023/dec/26/great-unknowns-nine-top-scientists-on-the-one-mystery-on-earth-theyd-like-to-solve?CMP=share_btn_tw)
- 2023 Interviewed by *PNAS* about our new publication on the Xerces blue butterfly: <https://www.pnas.org/post/journal-club/genomes-extinct-butterfly-carry-markers-species-decline>
- 2023 Interviewed by the *New York Times* about the insect swarm in New York City: <https://www.nytimes.com/2023/06/30/nyregion/nyc-bugs-gnats.html>
- 2023 Interviewed about a collaborative project we published about how invasive ants are replacing native communities across Florida: <https://phys.org/news/2023-04-florida-nonnative-leaf-litter-ants-native.html>
- 2023 Interviewed by *New Scientist* about new publication on new example of fungus farming by ants: <https://www.newscientist.com/article/2366758-ants-independently-evolved-to-farm-fungus-at-least-twice/>
- 2023 Interviewed by *The Guardian* about insects diversity and extinction: <https://www.theguardian.com/environment/2022/dec/28/insects-20-quadrillion-ants-ecosystem-planet-aoe>
- 2022 Interviewed for *Newsweek* about insects surviving a nuclear war: <https://www.newsweek.com/yes-bugs-can-survive-nuclear-war-which-scientists-weigh-1753939>
- 2022 Interviewed by the NSF for their Science Happens Here series about my research and insect museum exhibit: <https://beta.nsf.gov/science-matters/unsung-insect-heroes>
- 2022 Featured on the NSF social media feed for “Superhero Day” about my insect museum exhibit: <https://twitter.com/NSF/status/1519717080433672193>
- 2022 Interviewed by *WebMD* about a new publication showing ants can detect cancer cells: <https://www.webmd.com/cancer/news/20220509/are-ants-the-future-of-cancer-detection>
- 2021 Interviewed for several news and podcasts about our research on the Xerces blue butterfly including the *New York Times*, *Newsweek*, *Science News*, and others.
- 2021 Interviewed by NEO.LIFE about evolutionary adaptations: <https://neo.life/2021/06/9-evolutionary-adaptations-we-love/>
- 2021 Interviewed for the *Cornell Chronical* about our latest research published in *Nature Communications* on symbiotic gut bacterial contributions to cuticle formation in herbivorous ants: <https://news.cornell.edu/stories/2021/01/gut-microbes-plant-eating-ants-help-build-tougher-armor>

- 2021 Featured in the *Cornell Chronical* about my new seminar course addressing racism, bias, and exclusion in STEM: <https://news.cornell.edu/stories/2021/02/new-course-empowers-students-address-diversity-stem>
- 2020 Featured by Cornell CALS news about my new seminar course addressing racism, bias, and exclusion in STEM: <https://cals.cornell.edu/news/stories-stay-lessons-leave-new-class-examines-systemic-bias-stem>
- 2020 Featured in *The Cornell Daily Sun* about my new seminar course addressing racism, bias, and exclusion in STEM: <https://cornellsun.com/2020/09/14/7451056/>
- 2020 Featured by Cornell CALS news about our digitation of the Cornell University Insect Collection: <https://cals.cornell.edu/news/corrie-moreau-sharing-7-million-insects-digital-world>
- 2020 Interviewed by *Quanta Magazine* about a recently published study on ant endosymbionts: <https://www.quantamagazine.org/symbiotic-bacteria-tell-ant-embryos-how-to-develop-20200909/>
- 2020 Interviewed by German newspaper *Süddeutsche Zeitung* about ant symbiosis: <https://www.sueddeutsche.de/wissen/ameisen-symbiose-blattlaus-1.4975353?reduced=true>
- 2020 Interviewed by *The Times of India* about ant diversity: <https://timesofindia.indiatimes.com/ants-are-amazing-scientific-and-social-beings-we-humans-need-them/articleshow/76097345.cms>
- 2019 Co-authored a popular press article for *Natural History Magazine* “Ants and Plants: New evidence of the long, coevolutionary road”.
- 2019 Interviewed by PBS News Hour about insect declines: <https://www.pbs.org/newshour/science/butterflies-are-disappearing-in-ohio-heres-what-that-means-for-insects-everywhere>
- 2019 Interviewed by *Mongabay* about insect declines: <https://news.mongabay.com/2019/06/the-great-insect-dying-vanishing-act-in-europe-and-north-america/>
- 2019 Interviewed by *The Atlantic Magazine* about the insect apocalypse: <https://www.theatlantic.com/science/archive/2019/02/insect-apocalypse-really-upon-us/583018/>
- 2018 Interviewed by *National Geographic Magazine* about a recently published study on ant nests: <https://www.nationalgeographic.com/animals/2018/11/ants-head-hunters-attack-trap-jaw-enemies-nests/>
- 2018 Featured alumni in *SF State Magazine*: <https://magazine.sfsu.edu/fall-2018/class-notes>
- 2018 Featured in a French fashion magazine *Stylist France* as a "New Face" to watch: <https://cache.stylist.fr/data/fichier/flipbook/f232/mobile/index.html - p=18>
- 2018 Featured on *National Geographic Women of Impact*: <https://www.nationalgeographic.com/science/2018/07/ants-evolution-corrie-moreau-women-in-biology/>
- 2018 Featured profile in *Crain's Academy* quarterly addition: <http://www.craainsacademy.com/article/20180109/CRAINSACADEMY/180109911/craains-leadership-academy-c3-graduate-recently-named-director-of/>
- 2018 Featured on the Ant Network video series "Turtle Ants, Gut Microbes, & Citizen Science": <https://www.youtube.com/watch?v=j9LAKRDraKw>
- 2017 Interviewed for *Insectes Sociaux* blog ("Interview with a Social Insect Scientist"): <https://insectessociaux.com/2017/09/16/interview-with-a-social-insect-scientist-corrie-moreau/>

- 2017 Interviewed by *Smithsonian Magazine* about a recently published study on trap-jaw ants:  
<http://www.smithsonianmag.com/smithsonian-institution/prying-apart-mighty-bite-malaysian-trap-jaw-ant-180964655/>
- 2017 Research featured in *Science Magazine*:  
<http://science.sciencemag.org/content/355/6322/236>
- 2017 Interviewed for *Farm Industry News* about the March for Science and importance of entomology: <http://www.farministrynews.com/technology/march-science>
- 2016 Interviewed for This Week in Evolution (TWiEVO) podcast:  
<http://www.microbe.tv/twievo/twievo-13/>
- 2016 Interviewed by several media outlets including *Nature Magazine*, *Discover Magazine*, *Science Daily*, and *Phys.org* regarding our recent publication in *Molecular Ecology*.
- 2016 Interviewed for STEMxm podcast: <http://www.stemxm.com/>
- 2016 Interviewed by several media outlets including *Science Magazine*, *The Independent*, *Mental Floss*, *Science Daily*, *Genome Web*, and *Phys.org* regarding our recent publication in *Nature Communications*.
- 2016 Interviewed for Tumble podcast: <http://www.sciencepodcastforkids.com/-!The-Tale-of-How-Ants-Conquered-the-Earth-with-Corrie-Moreau/t6z7u/57c05029f97b695dfdf49541>
- 2016 Interviewed by several media outlets regarding the loss of the museum in New Delhi, India, including *The Chicago Tribune*, *Political Science Magazine*, etc.
- 2016 Featured in *Smithsonian Magazine* for their annual "Field Notes" section.
- 2016 Interviewed for Science For the People podcast:  
<http://www.scienceforthepeople.ca/episodes/insects-en-masse>
- 2015 Featured on The Brain Scoop YouTube channel for a video titled "Bullet Ant Venom":  
<https://youtu.be/wNCD3rLbCBk> (>2,000,000 views)
- 2015 Featured on The Brain Scoop YouTube channel for a video titled "Dissecting Ants":  
<https://youtu.be/DOHGz4RPLwc> (>200,000 views)
- 2015 Participated in a live video streaming Q&A interview via Periscope/Twitter with the host of The Brain Scoop, Emily Graslie, about the "Dissecting Ants" YouTube video:  
<https://www.facebook.com/fieldmuseum/posts/10152749125802273>
- 2015 Interviewed for *Mother Nature Network* online article: <http://www.mnn.com/your-home/at-home/stories/what-kind-ants-are-my-house>
- 2014 Featured on The Brain Scoop YouTube channel for a video titled "Romantic Ants":  
<http://youtu.be/hWWw3SHCIAw> (>120,000 views)
- 2014 Blog interview for Before They Were Scientists:  
<http://www.yourwildlife.org/2014/12/before-they-were-scientists-corrie-moreau/>
- 2014 Radio interview for Chicago Public Radio WBEZ Worldview program EcoMyths:  
<https://soundcloud.com/wbez-worldview/economyths-bugs-are-out-to-get-us> AND-  
<http://www.economythsalliance.org/2014/10/myth-bugs-are-out-to-get-you/>
- 2014 Interviewed for *Chicagoist* online article "Ask a Scientist":  
[http://chicagoist.com/2014/09/27/ask\\_a\\_scientist\\_an\\_insect\\_edition\\_w.php](http://chicagoist.com/2014/09/27/ask_a_scientist_an_insect_edition_w.php)
- 2014 Featured on The Brain Scoop YouTube channel for a video titled "Into Peru":  
<http://youtu.be/8XosNhRNGkI?list=UUkyfHZ6bY2TjqbJhiH8Y2QQ>
- 2014 Video interview for Fields of Thought series:  
<http://www.fieldmuseum.org/multimedia/video-fields-thought>
- 2014 Interviewed by *Science News* for an article about host-associated microbes:

- <https://www.sciencenews.org/article/microscopic-menagerie>
- 2013 Interviewed by *National Geographic* for an online article about a recent publication on acacia ants: <http://news.nationalgeographic.com/news/2013/11/131106-ants-tree-acacia-food-mutualism/>
- 2013 Video and print interview by *Medill Reports* about the annual Chicago Area Ant Lab meeting I host each year “An ant hill of insect experts converge on Chicago”:  
<http://news.medill.northwestern.edu/chicago/news.aspx?id=225460>
- 2013 Interviewed about honey bee colony collapse disorder for a web extra for a WTTW television segment: <http://chicagotonight.wttw.com/2013/08/26/web-extra-bee-colony-collapse-disorder>
- 2013 Interviewed by *Science News* regarding insect-microbe research presented at the Evolution Meetings:  
[http://www.sciencenews.org/view/generic/id/351368/description/Gut\\_microbes\\_may\\_put\\_barrier\\_between\\_species](http://www.sciencenews.org/view/generic/id/351368/description/Gut_microbes_may_put_barrier_between_species)
- 2013 Interviewed by *Nature* for an article about our recent publication in *Evolution* testing the “museum” versus “cradle” tropical diversity hypotheses in ants (April 2013):  
<http://www.nature.com/news/why-the-tropics-are-an-evolutionary-hotbed-1.12846>
- 2112 Interviewed by *Nature* for an article about Field Museum science cuts (December 2012):  
<http://www.nature.com/news/chicago-s-field-museum-cuts-back-on-science-1.12105>
- 2012 Interviewed by the *Chicago Tribune* for an article about urban ant collecting and citizen science (July 2012): <http://www.chicagotribune.com/news/local/ct-met-citizen-sci-ants-20120727,0,433557.story>
- 2012 Interviewed for NPR’s News Blog “The Two Way” about the NPR AntCam (May 2012):  
<http://www.npr.org/blogs/thetwo-way/2012/05/18/153035706/fungus-fruit-flies-old-age-its-the-end-times-for-nprs-antcam>
- 2012 Video interview for Field Museum Women’s Board “Women in Science” programs (April 2012): <http://vimeo.com/42737450>
- 2012 Radio interview for Chicago radio station (101.9 fm) on “MIX Matters” (April 2012):  
[http://www.wtmx.com/podcasts/mixmatters/20120417-The\\_Romance\\_of\\_Ants\\_at\\_the\\_Field\\_Museum\\_with\\_curator\\_Dr.\\_Corrie\\_Moreau.mp3](http://www.wtmx.com/podcasts/mixmatters/20120417-The_Romance_of_Ants_at_the_Field_Museum_with_curator_Dr._Corrie_Moreau.mp3)
- 2012 Interviewed by *Nature*, *Live Science*, and *Popular Mechanics* about a recent paper published on ant development by several colleagues.
- 2011 Interviewed by *The Scientist* for a print and online article on freely available and reliable evolutionary software for novice users: <http://the-scientist.com/2011/08/01/learning-to-become-a-tree-hugger/>
- 2011 Interviewed by *American Scientist* magazine for a print and online article about “The Romance of Ants” public museum exhibit:  
<http://www.americanscientist.org/issues/pub/2011/3/serious-science-comic-book-style>
- 2011 “The Romance of Ants” featured as “Buzz of the Week” on the Entomological Society of America website (April 2011): <http://entsoc.org/buzz/romance-ants-graphic-novel>
- 2011 Interviewed by the *Daily Herald* for an article about increased ant populations and home invasions for the print and online newspaper:  
<http://www.dailyherald.com/article/20110629/news/706299880/>
- 2011 Interviewed on Wisconsin Public Radio’s Ideas Network about The Romance of Ants exhibit: [http://wpr.org/ideas/noteslist\\_idcall.cfm?noteslist=97466](http://wpr.org/ideas/noteslist_idcall.cfm?noteslist=97466)
- 2011 Interviewed for Medill Reports for article about The Romance of Ants exhibit:

<http://news.medill.northwestern.edu/chicago/news.aspx?id=182620>

2010 Lead curator for “The Romance of Ants” public museum exhibit at the Field Museum of Natural History (open July 2010 – January 2012): <http://romanceofants.com> and

[http://www.fieldmuseum.org/exhibits/romanceants\\_tempexhib.htm](http://www.fieldmuseum.org/exhibits/romanceants_tempexhib.htm)

2010 Television interview for local FOX morning show for “The Romance of Ants” exhibit:

[http://www.myfoxchicago.com/dpp/good\\_day/romance-ants-field-museum-exhibit-corrie-moreau-20100923](http://www.myfoxchicago.com/dpp/good_day/romance-ants-field-museum-exhibit-corrie-moreau-20100923)

2010 Radio interview for “Walking on Air” for “The Romance of Ants” exhibit:

<http://walkingonair.org/podcasts/walkingonair/2010-09-10-FullShow.m4a>

2010 Thomson Reuters ScienceWatch® website featured an interview (February) regarding our 2006 “Science” paper because it was identified by Thomson Reuters Essential Science IndicatorsSM to be one of the most cited papers in the research area of “early ant evolution”:

<http://sciencewatch.com/dr/erf/2010/10feberf/10feberfMore/>

2010 Featured scientist on the Field Museum’s “Expeditions” website and public exhibit interactive (February – April 2010): <http://expeditions.fieldmuseum.org/australian-ants>

2009 Ant bacteria research published in *PNAS* in December 2009 highlighted on several media websites including *Genome Web*, *Genetic Engineering and Biotechnology News*, *First Science*, among others.

2008 *National Geographic News* online interview on new ant discovery (online article).

2008 *Science News* magazine interview on new ant discovery (print journal and online).

2008 *Science News* magazine interview on the Encyclopedia of Life (print journal and online).

2007 Cambridge Community Television (CCTV) interview for the documentary film, “Ants”.

2007 *St. Louis Post-Dispatch* newspaper interview about insects and diversity.

2006 National Public Radio (NPR) El Paso (KTEP) Science Studio invited guest speaker:

<http://www.sciencestudio.org/Biomedical%20&%20Health%20Science4.htm>

2006 Interviewed by *New York Times*, *Boston Globe*, *Daily Telegraph*, *Science*, *Nature*, and other print and online media sources regarding the publication and findings of our 2006 *Science* paper.

## **SCIENTIFIC SOCIETY MEMBERSHIP AND COMMITTEES**

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American Association for the Advancement of Science (AAAS), member 2009–present

Society for the Study of Evolution (SSE), member 1999–present (Lifetime Membership)

Entomological Society of America (ESA), member 1999–present; member-at-large Committee on Diversity and Inclusion 2018–2020

Society of Systematic Biologists (SSB), member 2004–present (Lifetime Membership); member Membership Committee 2009–2010; elected Council Member 2014–2016; Nominations

Committee 2018-2021; President elect (2023), President (2024), and Past President (2025)

American Society of Naturalist (ASN), member 2011–present

International Union for the Study of Social Insects (IUSSI), member 2005–present

Association for Women in Science (AWIS), member 2008–present

American Association of University Women (AAUW), member 2008–present (Lifetime Membership)

Graduate Women In Science (GWIS), member 2018–present (Lifetime Membership)

Graduate Women In Science (GWIS), Cornell University chapter member 2018–present

Society for Integrative and Comparative Biology (SICB), member 2011–present

American Society for Microbiology (ASM), member 2012–present

Society for Advancement of Hispanics/Chicanos and Native Americans in Science (SACNAS), member 2015–present (Lifetime Membership)  
Society for Advancement of Hispanics/Chicanos and Native Americans in Science (SACNAS) Cornell University chapter member 2019–present  
American Alliance of Museums, member 2015–present  
Sigma Xi (The Scientific Research Honor Society), full member 2018–present  
New York Academy of Sciences, member 2019–present  
Entomological Society of Queensland, member 2007–2018  
American Association for University Professors (AAUP), member 2009–2014; Secretary for Field Museum chapter 2011–2013  
International Society of Hymenopterists (ISH), member 2006–2012  
Cambridge Entomology Club, member 2003–2007; President, 2003  
Field Museum Women in Science (FMWIS), founder, steering committee chair, & member 2013–2018

## **MENTORING ACTIVITIES**

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### *Postdoctoral researchers:*

#### Current:

- Tatsuya Inagaki: 2023–present

#### Past:

- Douglas Booher (Now: Research Entomologist – US Forest Service): 2018–2020
- Felix Grewe (Now: Director of the Genome Center - Field Museum): 2014–2016
- Stefanie Kautz (Now: Assistant Research Professor - Portland State University): 2009–2014
- Steve Leavitt (Now: Associate Professor - Brigham Young University): 2013–2015
- Dirk Mezger (Now: Project Manager & Photographer - AntBase.net): 2013–2014
- Matthew Nelsen (Now: Research Scientist - Field Museum): 2016–2018
- Shauna Price (Now: Assistant Teaching Professor - Loyola University Chicago): 2015–2018
- Manuela Ramalho (Now: Assistant Professor – West Chester University of Pennsylvania): 2018–2022
- Jacob Suissa (Now: Assistant Professor – University of Tennessee at Knoxville): 2022–2023
- Axel Touchard (Now: Postdoc at CNRS in French Guiana): 2023–2024
- Mônica Ulysséa (Now: Postdoc at Museu de Zoologia da Universidade de São Paulo, Brazil): 2022–2023
- April Wright (Now: Associate Professor - Southeastern Louisiana University): 2016–2017

### *Ph.D. graduate students (Primary thesis advisor):*

#### Current:

- Yareli Alvarez (Cornell University) primary thesis advisor: 2023–present
- Megan Barkdull (Cornell University) primary thesis advisor: 2019–present
- Leland Graber (Cornell University) primary thesis advisor: 2019–present
- Ayress Grinage (Cornell University) co-advisor with Chelsea Specht: 2021–present
- Chloe Jelley (Cornell University) primary thesis advisor: 2020–present
- Annette Kang (Cornell University) primary thesis advisor: 2022–present
- Sylvana Ross (Cornell University) primary thesis advisor: 2022–present
- Cheyenne Reuben-Thomas (Cornell University) primary thesis advisor: 2023–present

Graduated:

- Benjamin Blanchard (University of Chicago) primary thesis advisor (Now: postdoc at Chinese National Academy at XTBG): 2014–2020
- Anaïs Chanson (University of French Guiana, France) co-advisor with Christophe Duplais (Now: postdoc at University of Lincoln, UK): 2017–2021
- Peter Flynn (University of Chicago) primary thesis advisor (Now: postdoc Harvard University, USA): 2016–2022
- Phoebe Koenig (Cornell University) primary thesis advisor (Now: Alaska State Sea Grant Fellow, USA): 2020–2024
- Manuela Ramalho (UNESP Rio Claro, Brazil) co-advisor with Odair Bueno (Now: Faculty at West Chester University of Pennsylvania, USA): 2015–2017
- Benjamin Rubin (University of Chicago) primary thesis advisor (Now: Senior Computational Biologist at Adaptive Biotechnologies, Seattle, USA): 2009–2015
- Supriya (University of Chicago) co-advisor with Trevor Price (Now: Associate Director of Data Science at the University of California, Los Angeles, USA): 2014–2019
- Max Winston (University of Chicago) primary thesis advisor (Now: Director at Apriori Bio, Boston, USA): 2011–2017
- Lu Yao (University of Chicago) co-advisor with Bob Martin (Now: Director of Strategy at US Foods, Chicago, USA): 2011–2016

*Master's graduate students (Primary thesis advisor):*

Graduated:

- Jordan Greer (University of Chicago) primary thesis advisor (Now: Science Communications Officer for Cell Press): 2017–2019

*Ph.D. graduate students (Thesis committee member):*

Current:

- Ron Brown (Cornell University) thesis committee member: 2021–present
- Calla Bush St George (Cornell University) thesis committee member: 2021–present
- Christian Cabuslay (Drexel University) thesis committee member: 2020–present
- Brian Dillard (Cornell University) thesis committee member: 2021–present
- Nathalia Florez Gomez (Cornell University) thesis committee member: 2022–present
- Kirsten Keleher (Cornell University) thesis committee member: 2023–present
- Kyla O'Hearn (Cornell University) thesis committee member: 2020–present
- Lidane Noronha (Cornell University) thesis committee member: 2023–present
- Augusto Rampasso (Cornell University) thesis committee member: 2020–present
- Janina Rinke (University of Münster) thesis committee member: 2022–present
- Peter Searle (Cornell University) thesis committee member: 2023–present
- Maddie Worth (Cornell University) thesis committee member: 2024–present

Graduated:

- Benoit Bechade (Drexel University) thesis committee member: 2019–2022
- Doug Booher (University of California, Los Angeles) thesis committee member: 2013–2017
- Victoria Flores (University of Chicago) thesis committee member: 2014–2018
- Jennifer Houtz (Cornell University) thesis committee member: 2019–2023
- Yi Hu (Drexel University) thesis committee member: 2010–2015
- Natalie Imirzian (Pennsylvania State University) thesis committee member: 2018–2020

- Jesus Martinez-Gomez (Cornell University) thesis committee member: 2018–2022
- Marie-Pierre Meurville (University of Fribourg) thesis committee member: 2021–2023
- Daniela Palmer (University of Chicago) thesis committee member: 2014–2018
- Daniella Prince (University of Louisville) thesis committee member: 2017–2023
- Adam Salyer (Purdue University) thesis committee member: 2013–2017
- Vivianna Sanchez (Cornell University) thesis committee member: 2019–2023
- Laura Southcott (University of Chicago) thesis committee member: 2015–2019

*Master's graduate students (Thesis committee member):*

- Alan Mata (Cornell University) thesis committee member: 2022–2024
- Lynika Strozier (Loyola University) thesis committee member: 2013–2017

*Undergraduate senior thesis (Primary senior thesis advisor):*

- Andrew Burchill (University of Chicago): 2014
- Jacob Gorneau (Cornell University): 2020
- Zoe Kim (Cornell University): 2021
- Corey Reese (Cornell University): 2023
- Destiny Reeves (University of Chicago): 2017
- Timothy Salazar (University of Chicago): 2015
- Steven Wang (Cornell University): 2021
- Jenna Webb (Cornell University): 2022

*Undergraduate advisees:*

*Cornell University – research interns:*

- Tamana Ahmadi (Cornell University): 2021–2022
- Sam Cavanagh (Cornell University – Entomology major): 2020–2024 (CIHMID intern)
- Seyde Delgado (Cornell University – Biological Sciences major): 2022–present
- John “JC” Dombrowski (Cornell University – Marine Biology major): 2021–2023
- Mahalia Donaldson (Cornell University – Biological Sciences major): 2022–2024
- Cristina Gómez (Magdalena University, Colombia): Summer 2019 (CienciAmerica intern)
- Jacob Gorneau (Cornell University – Entomology major): 2019–2020
- Rashida Mohamed-Hinds (Cornell University – Microbiology major): 2019–2020
- Zoe Kim (Cornell University – Entomology major): 2019–2021
- Kendrick Nakamura (Cornell University – Entomology major): 2022–2024
- Corey Reese (Cornell University – Entomology major): 2020–2023
- Jaden Thomas (Cornell University – Biological Sciences major): 2023–present
- Vanessa Viveros (Los Medanos College, California): Summer 2019 (NSF REU intern)
- Noah Wang (Cornell University – Entomology major): 2023–present
- Steven Wang (Cornell University – Entomology major): 2019–2021
- Jenna Webb (Cornell University – Biology major): 2020–2022 (CIHMID intern)

*Cornell University – academic advisees:*

- Juliet Bordon (Biological Sciences major): 2019–2021
- Sam Cavanagh (Entomology major): 2020–2024
- Emmet Collins-Sussman (Entomology major): 2024–present
- Nadia Halcomb (Entomology major): 2019–2020
- Zoe Kim (Entomology major): 2019–2021

- Julie Lewis (Biological Sciences major): 2019–2021
  - Kendrick Nakamura (Entomology major): 2022–2024
  - Maxine Parry (Entomology major): 2019–2023
  - Corey Reese (Entomology major): 2020–2023
  - Eason Tian (Entomology major): 2024–present
  - Steven Wang (Entomology major): 2019–2021
  - Arman Zarmehrbakhsh (Entomology major): 2024–present
- Field Museum of Natural History:*
- Aaron-Bereich Apilado (School of the Art Institute of Chicago): 2012–2013
  - Jenna-Marie Antonucci (Loyola University): Summer 2009
  - Patrick Belenky (University of Illinois, Chicago): 2013–2014
  - Matthew Boot (Grand Valley State University): 2013–2015
  - Simon Briggs (School of the Art Institute of Chicago): 2013–2014
  - Andrew Burchill (University of Chicago): 2013–2014 (NSF REU intern 2013)
  - Kelsey Choo (School of the Art Institute of Chicago): 2014–2015
  - Jessica De Smet (University of Illinois, Urbana-Champaign): 2009–2011
  - Grant Doering (Arizona State University): Summer 2016 & 2017
  - Ariel Fang (School of the Art Institute of Chicago): 2011–2014
  - Manda Gibbs (Lake Forest College): FMWIS Kemper Scholar Summer 2014
  - Charles Griggs (Middlebury College): Summer 2013
  - Geneva Guinee (University of New England): Summer 2009
  - Ali Gutowski (School of the Art Institute of Chicago): 2013–2014
  - Caroline Hanson (School of the Art Institute of Chicago): 2012–2013
  - Mallory Hinz (University of Illinois, Urbana-Champaign): 2013
  - Madeline Jenkins (Beloit College): 2016–2018
  - Madeleine Kelly (Harvard University): Summer 2017 (NSF REU intern 2018)
  - Hanna Klaeser (Whitman College): Summers 2014 & 2016
  - Rachel Kleban (School of the Art Institute of Chicago): 2014
  - Stefanie Krim (School of the Art Institute of Chicago): 2013–2014
  - Daniel Minh-Tu Le (School of the Art Institute of Chicago): 2011
  - Elizabeth Loehler (Loyola University): Summer 2009 (NSF REU intern 2009)
  - Ariadne Lumayag (DePaul University): Summer 2010 (NSF CIRRUS intern 2010)
  - Paul Masonick (University of Illinois, Urbana-Champaign): 2014
  - Dreyvon McCray (Governor's State University): Summer 2016 (NSF REU intern 2016)
  - Katherine McDonnell (Tufts University): Summer 2013
  - Steven Medina (Tulane University): Summer 2016
  - William Montag (Bowdoin University): Summer 2010 & 2011 (NSF REU intern 2011)
  - Stephanie Morgan (Beloit College): Summer 2013 (Field Museum Women In Science intern)
  - Amanda Mulcahy (School of the Art Institute of Chicago): 2014
  - Peter Nichols (School of the Art Institute of Chicago): 2014–2015
  - Tricia Nicholson (University of Chicago): Summer 2018
  - Timothy O'Connor (University of Illinois, Urbana-Champaign): 2010
  - Sean O'Fallon (University of Illinois, Urbana-Champaign): 2016–2017
  - Destiny Reeves (University of Chicago): 2016–2017
  - Ian Rines (Wofford College): Summer 2017 (NSF REU intern 2017)
  - Estefany Romero (Concordia University Chicago): Summer 2015 (Field Museum Women In

Science intern)

- Timothy Salazar (University of Chicago): 2014–2015
- Francesca Socki (Ohio Wesleyan University): Summer 2017 (NSF REU intern 2017)
- Kathleen Soler (DePaul University): 2009-2010
- Lynika Stozier (Dominican University): Summer 2011 & Summer 2013
- Andrea Thompson (Harold Washington College): 2014–2016
- Arista Tischner (University of Illinois, Chicago): 2011–2014 (NSF CIRRUS intern 2011; NSF REU intern 2012)
- Gabriel Trujillio (Lake Forest College): 2014–2015
- Mitchell Trychta (Rhodes College): Summer 2016
- Mariam Usmani (DePaul University): Summer 2009
- Cody Weinberger (University of Chicago): 2013
- Alexandra Westrich (School for the Art Institute of Chicago): 2009-2010
- Jesse Williams (Roosevelt University): 2013–2014
- Sara Zufan (Loyola University): 2009–2012 (NSF REU intern 2010)

*High school interns:*

- Alexandra Gray (Deerfield Academy High School, IL): Summer 2010
- Charles Griggs (Proviso Mathematics and Science Academy, IL): Spring 2012–Summer 2012
- Eduardo Guzman (Salpointe Catholic High School, AZ): Summer 2024
- Eveline Liu (Illinois Mathematics and Science Academy, IL): Fall 2013–Spring 2014
- Katherine McDonnell (St. Francis High School, IL): Summer 2012
- Chelsea Wang (Naperville North High School, IL): Summer 2013

*Trainees:*

- Frank Azorsa (visiting scientist – Museo de Historia Natural, Lima, Peru): 2009
- Caroline Birer (visiting postdoc): 2017
- Marília Bitar (visiting Ph.D. student – Universidade Estadual de Campinas, Brazil): 2023
- Matt Boot (research assistant): 2015–2017
- Gracen Brilmyer (research assistant): 2011–2014
- Matthew Carson (visiting postdoctoral researcher – Northwestern University): 2012–2013
- Jesse Czekanski-Moir (research assistant): 2008–2010
- Amanda de Oliveira (visiting Ph.D. student – UNESP Rio Claro, Brazil): 2020
- Rodolfo Probst (visiting master's student from University of São Paulo): 2015; (research assistant) 2016
- Gregory Putzel (visiting postdoctoral researcher – Northwestern University): 2012–2014
- Destiny Reeves (research assistant): 2017-2018
- Joseph Rowlett (research assistant): 2014–2015
- Jane Waters (visiting postdoctoral researcher – Princeton University): 2014
- Alexandra Westrich (research assistant): 2010–2012 & 2014–2015
- Brian Wray (research assistant): 2010–2017

*Visiting Scientists/Professors:*

- Prof. Lee Hsiang Liow (Natural History Museum, Oslo & University of Oslo) sabbatical visitor 2023-2024

- Dr. Christophe Duplais (Group Leader - Le Centre National de la Recherche Scientifique CNRS & Visiting Associate Professor at Cornell University) 2016–2021
- Dr. Cintia Martins (Professor at Federal University of Piauí, Brazil) Fulbright Junior Faculty Member Award visitor 2017–2018

*Other:*

- Faculty mentor at the Evolution Meetings for SSB/SSE Undergraduate Diversity program (one or two students each year): Portland, Oregon (2010); Snowbird, Utah (2013); Raleigh, North Carolina (2014); Austin, Texas (2016); Providence, Rhode Island (2019).
- One-on-one undergraduate mentor for Society of Chicanos/Hispanics and Native Americans in Science (SACNAS): Long Beach, California (2016); virtual (2020); Portland, Oregon (2023).
- Faculty mentor for Entomologists of Color (EntoPOC): virtual (2020).
- Faculty mentor at the Society for Integrative and Comparative Biology (SICB) for the Broadening Participation mentorship program: New Orleans, Louisiana (2017).
- Graduate Women In Science (GWIS) Chicago Eta chapter faculty mentor (one mentee pairing) (2015 – 2016).