

## **CORRIE S. MOREAU**

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

### **RESEARCH INTERESTS**

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**

- (2019 - present) **Martha N. and John C. Moser Professor of Arthropod Biosystematics and Biodiversity, Cornell University, Ithaca, NY.**
- (2019 - present) **Director and Curator of the Cornell University Insect Collection, Cornell University, Ithaca, NY.**
- (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) **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**

- (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**

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

<https://www.aaas.org/news/aaas-honors-accomplished-scientists-2018-elected-fellows>  
 National Geographic Women of Impact feature 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.  
 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>  
 National Geographic Explorer – National Geographic Society. 2014.  
 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.

## **PUBLICATIONS**

(72 publications; 3058 citations; 26 H-index; ORCID author ID: 0000-0003-1139-5792)

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

### **Peer-Reviewed**

- 1) 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
- 2) 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
- 3) 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* 2019: 1-8. DOI: 10.1007/s00284-019-01722-8
- 4) 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. In press at *Trends in Ecology and Evolution*. DOI: 10.1016/j.tree.2019.04.011
- 5) 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
- 6) 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
- 7) 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
- 8) 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
- 9) 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
  - 10) 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
  - 11) 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
  - 12) 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
  - 13) 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
  - 14) 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
  - 15) **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
  - 16) 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
- 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/ixc037
- 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
- 17) 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
- 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
- 18) 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

- 19) 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
- 20) Winston, M. E. \*, Thompson, A. \*\*, Trujillo, G. \*\*, Burchill, A. \*\* & **Moreau, C. S.** (2017). Novel approach to heritability detection suggests robustness to paternal genotype in a complex morphological trait. *Ecology and Evolution* 7(12): 4179-4191. DOI: 10.1002/ece3.2932
- 21) Blanchard, B. D. \* & **Moreau, C. S.** (2017). Defensive traits exhibit an evolutionary trade-off and drive diversification in ants. *Evolution* 71-2: 315-328. DOI: 10.1111/evo.13117
- 22) 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
- 23) 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
- 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
- 24) 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
- 25) 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
- 26) 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
- 27) 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
- 28) **Moreau, C. S.**, Hugall, A. F., McDonald, K. R., Jamieson, B. G. M. & Moritz, C. (2015). An ancient divide in a contiguous rainforest: Endemic earthworms in the Australian wet tropics. *PLOS ONE* 10(9): e0136943. DOI: 10.1371/journal.pone.0136943
- 29) 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
- 30) Robson, S. K. A., Kohout, R. J., Beckenbach, A. T. & **Moreau, C. S.** (2015). Evolutionary transitions of complex labile traits: Silk weaving and arboreal nesting in *Polyrhachis* ants. *Behavioral Ecology and Sociobiology* 69: 449-458. DOI: 10.1007/s00265-014-1857-x

- 31) **Moreau, C. S.**, Deyrup, M. A. & Davis, L. R. (2014). Ants of the Florida Keys: Species accounts, biogeography, and conservation (Hymenoptera: Formicidae). *Journal of Insect Science* 14: e295. DOI: 10.1093/jisesa/ieu157
- 32) **Moreau, C. S.** (2014). A practical guide to DNA extraction, PCR, and gene-based DNA sequencing in insects. *Halteres* 5: 32-42. ISSN 2348-7372
- 33) Rubin, B. E. R.\* , Sanders, J. G., Hampton-Marcell, J., Owens, S., Gilbert, J. A. & **Moreau, C. S.** (2014). DNA extraction protocols cause differences in 16S rRNA amplicon sequencing efficiency but not in community profile composition or structure. *MicrobiologyOpen* 3(6): 910-921. DOI: 10.1002/mbo3.216
- 34) Wills, B. D., **Moreau, C. S.**, Wray, B. D.\*\* , Hoffmann, B. D. & Suarez, A. V. (2014). Body size variation and caste ratios in geographically distinct populations of the invasive big-headed ant, *Pheidole megacephala*. *Biological Journal of the Linnean Society* 113: 423-438. DOI: 10.1111/bij.12386
- 35) 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
- 36) 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
- 37) Hu, Y., Łukasik, P., **Moreau, C. S.** & Russell, J. A. (2014). Correlates of gut community composition across an ant species (*Cephalotes varians*) elucidate causes and consequences of symbiotic variability. *Molecular Ecology* 23: 1284-1300. DOI: 10.1111/mec.12607
- 38) **Moreau, C. S.** & Bell, C. D. (2013). Testing the museum versus cradle biological diversity hypothesis: Phylogeny, diversification, and ancestral biogeographic range evolution of the ants. *Evolution* 67(8): 2240-2257. DOI: 10.1111/evo.12105
- 39) Kautz S., Rubin B. E. R.\* & **Moreau C. S.** (2013). Bacterial infections across the ants: Frequency and prevalence of *Wolbachia*, *Spiroplasma*, and *Asaia*. Invited paper for a special issue of “Ants and their Parasites” in *Psyche* 2013: e936341. DOI: 10.1155/2013/936341
- 40) 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
- 41) **Moreau, C. S.**, Wray, B. D.\*\* , Czekanski-Moir, J. E.\*\* & Rubin, B. E. R.\* (2013). DNA preservation: A test of commonly used preservatives for insects. *Invertebrate Systematics* 27: 81-86. DOI: 10.1071/IS12067
- 42) Kautz S., Rubin B. E. R.\* , Russell, J. A. & **Moreau C. S.** (2013). Surveying the microbiome of ants: Comparing 454 pyrosequencing with traditional methods to uncover bacterial diversity. *Applied and Environmental Microbiology* 79(2): 525-534. DOI: 10.1128/AEM.03107-12
- 43) 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
- 44) Anderson, K. E., Russell, J. A., **Moreau, C. S.**, Kautz, S., Sullam, K., Hu, Y., Basinger, U., Mott, B. M., Buck, N. & Wheeler, D. E. (2012). Highly similar microbial communities are

- shared among related and trophically similar ant species. *Molecular Ecology* 21: 2282-2296 [Cover image]. DOI: 10.1111/j.1365-294X.2011.05464.x
- 45) 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
- 46) 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
- 47) **Moreau, C. S.** & Bell, C. D. (2011). Fossil cross-validation of the dated ant phylogeny (Hymenoptera: Formicidae). *Entomologica Americana* 117(3): 127-133. DOI: 10.1664/11-RA-013.1
- 48) 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
- 49) **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
- 50) 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
- 51) 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
- 52) 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
- 53) **Moreau, C. S.** (2009). Inferring ant evolution in the age of molecular data (Hymenoptera: Formicidae). *Myrmecological News* 12: 201-210. ISSN 1997-3500
- 54) 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
- 55) **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
- 56) 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
- 57) 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
- 58) 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
- 59) 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.crv.2007.06.005

- 60) **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
- 61) 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
- 62) Blackburn, D. C. & **Moreau, C. S.** (2006). Ontogenetic diet change in the arthropod frog *Schouteddenella xenodactyloides*. *Journal of Herpetology* 40: 388–394. DOI: 10.1670/0022-1511(2006)40[388:ODCITA]2.0.CO;2
- 63) Dejean, A., Le Breton, J., Suzzoni, J. P., Orivell, J. & **Saux-Moreau**<sup>□</sup>, 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
- 64) **Saux**<sup>□</sup>, 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
- 65) **Saux**<sup>□</sup>, 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**

- 66) 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
- 67) **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
- 68) **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, Forums, Reports, and Editorials**

- 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.

### **HONORARY APPOINTMENTS**

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–present.

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

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

### **ADVISORY AND GOVERNING BOARDS:**

uBiome Scientific Advisory Board member (<https://ubiome.com/science/#advisors>) (2018–present).

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

### **LEADERSHIP TRAINING**

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

### **SCIENCE COMMUNICATION TRAINING**

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**

#### ***External Scientific Research Funding (over \$1,200,000 in research grants):***

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 2015-2020.*

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 2014-2018.*

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.*

## **TEACHING EXPERIENCE**

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

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

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:**

- 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 in Science Seminars and Workshops:***

University of Wisconsin, Madison – Diversity in Science 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 workshop. October 2018.  
University of New South Wales, Australia – Gender Bias In Science workshop presentation. September 2017.  
Chicago area NSF REU intern workshop – Diversity in Science seminar and workshop presentation. Annually 2016-2018.  
Rutgers University/New Jersey Institute of Technology – Women In Science 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.

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

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

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.

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, Africa: Kabale Biological Station. 2012.  
USA: Arizona, California, Florida, Illinois, New Mexico, Texas. 2001–2018.  
Venezuela: Rancho Grande Biological Station. 2008.

### **Educational Tour Leader Experiences:**

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**

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

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/D0HGz4RPLwc> (>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/economyths-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=YNHI0abqhEk>  
 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-](http://www.wtmx.com/podcasts/mixmatters/20120417-The_Romance_of_Ants_at_the_Field_Museum_with_curator_Dr._Corrie_Moreau.mp3)  
[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://fieldmuseum.org/explore/multimedia/video-turtle-ants-or-)  
[http://vimeo.com/29457507.](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 “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:**

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 minority 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).

### **Undergraduate and Graduate Training:**

Invited presentation for the 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).  
Held workshop for Field Museum undergraduates, interns, and volunteers on applying to graduate school in the sciences (2008 – 2017).  
Worked with several undergraduates to create Encyclopedia of Life ([www.eol.org](http://www.eol.org)) species pages for several ant species (2010 – 2011).  
Served on a faculty panel for the University of Chicago’s Ethics course for all Biology graduate students (April 2010).  
Gave a lecture to the DePaul STEM (Science Technology Engineering and Math) advancement program to 25 minority students at Truman College in collaboration with DePaul College (September 2008).  
Lead tours of Field Museum’s scientific collections and/or DNA laboratory to: Notre Dame University - September 2009; University of Chicago Harris School on Public Policy graduate students - March 2009; Earlham College - October 2009; Lake Forest College – March 2010; University of Illinois at Chicago's Biology Colloquium (BCQ) - January 2010; School of the Art Institute of Chicago – November 2010; University of Illinois, Chicago’s Evolution class – November 2010; Lake Forest College – March 2011; Earlham College - October 2011; School of the Art Institute of Chicago – November 2012; Lake Forest College – February 2013; Earlham College – September 2013; School of the Art Institute of Chicago – March 2013; School of the Art Institute of Chicago – March 2014; Columbia College – April 2014; University of Wisconsin, La Crosse (McNair Scholars) – June 2014; Columbia College – March 2015; School of the Art Institute of Chicago – April 2016 & October 2016.

### **Other Forms of Public Outreach:**

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. April 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**

### ***Cornell University Administrative Service:***

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

### ***Cornell University Institutional Service:***

Awards and Nominations Committee Chair of the Department of Entomology (2019-present).  
Collection Committee Chair of the Department of Entomology (2019-present).  
Curriculum & Teaching Committee member of the Department of Entomology (2019-present).  
Graduate Admissions Committee member of the Department of Ecology and Evolutionary Biology (2019-present).  
Entomology Graduate Field Membership (2018-present).  
Ecology and Evolutionary Biology Graduate Field Membership (2018-present).

### ***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**

#### **Editorial Boards:**

*Currently:*

Editorial Board – Associate Editor, *Molecular Ecology* journal 2014 – present (3 year terms).

Editorial Board – Editorial Board Member, *Molecular Ecology Resources* journal 2014 – present (3 year terms).

Editorial Board – Editorial Board Member, *Biology Letters* journal 2017 – present (3 year terms).  
Editorial Board – Recommender, *Peer Community in Evolutionary Biology (PCI Evol Bio)* 2017 – present.

*Previously:*

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:*

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 2018–2021.

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:*

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.gensc.org/index.php?title=GSC\\_Membership](http://wiki.gensc.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).

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:

- 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".

### **Scientific Community Service:**

Curator of the Encyclopedia of Life (EOL) (Formicidae – ants). 2009–2015.

Curator of Florida Keys Ants on Antweb (<http://www.antweb.org/floridakeys.jsp>) 2011–present.

Curator of Queensland Australia Ants on Antweb (<http://www.antweb.org/queensland.jsp>) 2011–present.

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

Formicidae Barcode of Life participant ([http://www.formicidaebol.org/all\\_participants.php](http://www.formicidaebol.org/all_participants.php)). 2008–2014.

Global Ant Project (GAP), oversight committee member (<http://gap.entclub.org/>). 2008–2013.

Global Ant Project (GAP), organized, hosted, and obtained funding for a meeting of 30 ant biologists as part of an Encyclopedia of Life Biodiversity Synthesis Meeting. 2009.

### **Academic Departmental External Reviewer:**

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

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

City University of New York (1); Earlham College (1); Pennsylvania State University (1); Providence College (1); School of the Art Institute of Chicago (1); Smithsonian National Museum of Natural History (1); University of Connecticut (1); University of Minnesota (1); University of Utah (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).

**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).

*United States Ad Hoc Grant Reviewer:* National Science Foundation (NSF) (89); 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 (2); 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); 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).

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

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

**Journal Reviewer (number of reviews in parentheses):**

*American Naturalist* (1); *Annals of the Entomological Society of America* (3); *Applied and Environmental Microbiology* (5); *Australian Journal of Zoology* (1); *Biological Journal of the Linnean Society* (2); *Biology Letters* (2); *BioScience* (2); *BMC Evolutionary Biology* (2); *Current Biology* (2); *Current Opinion in Behavioral Sciences* (1); *Ecography* (1); *Ecology* (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* (1); *Insect Systematics & Evolution* (1); *Insectes Sociaux* (1); *Invertebrate Systematics* (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* (1); *Nature Communications* (3); *Nature Ecology & Evolution* (1); *Nature Plants* (1); *Naturwissenschaften* (1); *Organism Diversity and Evolution* (1); *PeerJ* (2); *PLOS ONE* (3); *Proceedings of the National Academy of Sciences USA* (6); *Proceedings of the Royal Society B* (4); *Scientific Reports* (2); *Systematic Biology* (1); *Systematic Entomology* (1); *The ISME Journal* (4); *Trends in Genetics* (1); *Zoological Journal of the Linnean Society* (1); *Zoology* (1); *Zootaxa* (11).

## **SCIENTIFIC CONFERENCE AND SYMPOSIUM PRESENTATIONS**

- Oral Paper: **Moreau, C. S.**, Sarou-Kanian, V., Massiot, D., Estevez, Y., Russell, J., Martineau, E., Giraudeau, P., Farjon, J. & Duplais, C. (2018). Evidence for the contribution of gut symbionts to the cuticle formation in herbivorous turtle ants *Cephalotes varians* through NMR spectroscopy. Entomological Society of America Meeting, Vancouver, Canada.
- Invited Oral Paper: **Moreau, C. S.** (2017). The diversity and function of gut bacteria in herbivorous ants. Society for Integrative and Comparative Biology (SICB) in New Orleans, Louisiana, USA.
- Invited Oral Paper: **Moreau, C. S.** (2016). How I became a rainforest explorer: Ant genomes to microbiomes. Society for Advancement of Hispanics/Chicanos and Native Americans in Science (SACNAS) in Long Beach, California, USA.
- Invited Oral Paper: **Moreau, C. S.** (2016). Ant evolution in the age of genomics. International Congress of Entomology. Orlando, Florida, USA.
- Oral Paper: **Moreau, C. S.**, Powell, S., Wertz, J., & Russell, J. A (2016). The role of gut microbes in ant evolution. Evolution Meetings (Society for the Study of Evolution), Austin, Texas, USA.
- Invited (Keynote) Lecture: **Moreau, C. S.** (2015). The evolution of symbiosis in ants and how I became a cartoon character. Invertebrates in Education & Conservation Conference (IECC), Rio Rico, Arizona, USA.
- Oral Paper: **Moreau, C. S.** (2015). The interplay of abiotic and biotic factors in driving diversification in the ants. Evolution Meetings (Society for the Study of Evolution), Guarujá, São Paulo, Brazil.
- Invited Oral Paper: **Moreau, C. S.** (2014). The interplay of abiotic and biotic factors in driving diversification in the ants. Entomological Society of America Meeting, Portland, OR, USA.
- Oral Paper: **Moreau, C. S.** (2014). The evolution, diversification, and biogeography of the ants. International Union for the Study of Social Insects (IUSSI), Cairns, Queensland, Australia.
- Oral Paper: **Moreau, C. S.** & Russell, J. R. (2014). The evolution and ecology of ant gut microbiomes. Evolution Meetings (Society for the Study of Evolution), Raleigh, NC, USA.
- Invited Oral Paper: **Moreau, C. S.** (2014). Scientific outreach: Creating meaningful educational content to reach diverse audiences. North Central Branch Entomological Society of America Meeting, Des Moines, IA, USA.
- Oral Paper: **Moreau, C. S.** (2014). The evolution and loss of complex behaviors in social insects: Silk weaving and arboreal nesting in *Polyrhachis* spiny ants. North Central Branch Entomological Society of America Meeting, Des Moines, IA, USA.
- Invited Oral Paper: **Moreau, C. S.** (2013). The evolution of the ants: From phylogenies to the microbiome. XXI Simpósio de Mirmecologia: an International Ant Meeting, Fortaleza, Brazil.



- Invited Oral Paper: **Moreau, C. S.** & Russell, J. R. (2013). The evolution and ecology of ant gut microbiomes. Entomological Society of America Meeting, Austin, TX, USA.
- Invited Oral Paper: **Moreau, C. S.** (2013). Sharing science with diverse audiences (or how I became a cartoon character). Entomological Society of America Meeting, Austin, TX, USA.
- Oral Paper: **Moreau, C. S.** & Robson, S. K. A. (2013). The evolution and loss of complex behaviors in social insects: Silk weaving and arboreal nesting in *Polyrhachis* spiny ants. Evolution Meetings (Society for the Study of Evolution), Snowbird, UT, USA.
- Invited Oral Paper: **Moreau, C. S.** (2012). Exploring the host-associated microbiome of ant species. Genomic Standards Consortium, BGI, Shenzhen, China.
- Invited Plenary (Keynote) Lecture: **Moreau, C. S.** (2011). Ants, plants, and bacteria: A tale of evolutionary diversification. Australasian Evolution Society Meeting, Townsville, Queensland, Australia.
- Oral Paper: **Moreau, C. S.** (2011). The evolution of ants and their endosymbiotic bacteria from the Australian Wet Tropics. Entomological Society of America Meeting, Reno, NV, USA.
- Invited Oral Paper: **Moreau, C. S.** (2010). What do molecular clocks tell us about evolution of ants? Entomological Society of America Meeting, San Diego, CA, USA.
- Oral Paper: **Moreau, C. S.** (2010). Biogeography of ants in the Australian wet tropics. Evolution Meetings (Society for the Study of Evolution), Portland, OR, USA.
- Oral Paper: **Moreau, C. S.** (2010). Biogeography of ants in the Australian wet tropics. International Union for the Study of Social Insects (IUSSI), Copenhagen, Denmark.
- Invited Oral Paper: **Moreau, C. S.**, Russell, J. R., & Pierce, N. P. (2009). Endosymbionts and the evolution of herbivory in ants and the diversification of the ants. Entomological Society of America Meeting, Indianapolis, IN, USA.
- Oral Paper: **Moreau, C. S.** (2009). Biogeography of ants in the Australian wet tropics (Hymenoptera: Formicidae). Entomological Society of America Meeting, Indianapolis, IN, USA.
- Oral Paper: **Moreau, C. S.** (2007). Systematics and Evolutionary History of the Ant Genus *Pheidole*. Entomological Society of America Meeting, San Diego, CA, USA.
- Oral Paper: **Moreau, C. S.**, Bell, C. D., Vila, R., Archibald, S. B., & Pierce, N. P. (2006). Ants, Clocks, and Rocks: The Phylogeny and Diversification of Modern Ants. Evolution Meetings (Society for the Study of Evolution), Stony Brook, NY, USA.
- Invited Oral Paper: **Moreau, C. S.**, Bell, C. D., Vila, R., Archibald, S. B., & Pierce, N. P. (2006). Ants, Clocks, and Rocks: The Phylogeny and Diversification of Modern Ants. International Union for the Study of Social Insects (IUSSI), Washington D.C., USA.
- Oral Paper: **Saux, C.**, Fisher, B. L. & Spicer, G. S. (2003). Dracula Ant Relations and Implications for Systematics. Evolution Meetings (Society for the Study of Evolution), Chico, CA, USA.
- Poster Presentation: **Saux, C.**, Fisher, B. L. & Spicer, G. S. (2001). Monophyly of Amblyoponini ants evaluated based on molecular evidence. Entomological Society of America Meeting, San Diego, CA, USA.
- Poster Presentation: **Saux, C.**, Fisher, B. L. & Spicer, G. S. (2001). Molecular systematics of ants (tribe Amblyoponini) based on three genes. Evolution Meetings (Society for the Study of Evolution), Knoxville, TN, USA.

## **STUDENT & POSTDOC CO-AUTHORED SCIENTIFIC PRESENTATIONS**

\* = Graduate student presentation; \*\* = Undergraduate student presentation

- Oral Presentation: Flynn, P. J.\*, D'Amelio, C., Russell, J. A. & **Moreau, C. S.** (2019). Localization of bacterial communities across gut compartments in Cephalotine ants. Evolution Meetings (Society for the Study of Evolution), Providence, RI, USA.
- Oral Presentation: Ramalho, M. O., Duplais, C., Orivel, J., Suarez, A. V. & **Moreau, C. S.** (2019). Development but not diet alters bacterial communities in the Neotropical arboreal trap jaw ant *Daceton armigerum*. Evolution Meetings (Society for the Study of Evolution), Providence, RI, USA.
- Oral Presentation: Blanchard, B. D.\* & **Moreau, C. S.** (2019). Phylogenomics and the evolution of defensive traits in ants. Evolution Meetings (Society for the Study of Evolution), Providence, RI, USA.
- Oral Presentation: Chanson, A.\*, Duplais, C. & **Moreau, C. S.** (2019). The diversity of bacterial biosynthetic gene clusters across turtle ants. Evolution Meetings (Society for the Study of Evolution), Providence, RI, USA.
- Oral Presentation: Ramalho, M. O., Duplais, C., Orivel, J., Suarez, A. V. & **Moreau, C. S.** (2018). Bacterial communities differ between workers and brood in the neotropical arboreal trap-jawed ant, *Daceton armigerum*. Entomological Society of America Meeting, Vancouver, Canada.
- Oral Presentation: Nelsen, M. P., Ree, R. H. & Moreau, C. S. (2018). The evolution of ant-plant interactions and their macroevolutionary consequences. Entomological Society of America Meeting, Vancouver, Canada.
- Oral Presentation: Blanchard, B. D.\* & **Moreau, C. S.** (2018). Spine and dine: Are competitive and predator-prey interactions mediated by a morphological trait-based trade-off in spiny ants? Entomological Society of America Meeting, Vancouver, Canada.
- Oral Presentation: Supriya\*, Price, T. D. & **Moreau, C. S.** (2018). Competition with Asian weaver ants reduces songbird diversity at low elevations in eastern Himalaya. Entomological Society of America Meeting, Vancouver, Canada.
- Oral Presentation: Flynn, P. J.\* & **Moreau, C. S.** (2018). A comparative assessment of endogenous viruses throughout ant genomes. Entomological Society of America Meeting, Vancouver, Canada.
- Poster Presentation: Chanson, A.\*, Duplais, C. & **Moreau, C. S.** (2018). Defensive symbionts associated with ants: The diversity of bacterial genes in the biosynthesis of polyketides and non-ribosomal peptides across cephalotines (turtle ants). Entomological Society of America Meeting, Vancouver, Canada.
- Oral Lightning Presentation: Martin, K.\* & **Moreau, C. S.** (2018). Oscillators of gyne emergence: An agent based model of reproductive behavior for ant colonies. Entomological Society of America Meeting, Vancouver, Canada.
- Poster Presentation: Kelly, M.\*\*, Price, S. L., Ramalho, M. O. & **Moreau, C. S.** (2018). Diversity, evolutionary history, and specificity of *Wolbachia* associated with the giant turtle ant, *Cephalotes atratus*. Society for Advancement of Hispanics/Chicanos and Native Americans in Science (SACNAS) in San Antonio, Texas, USA.
- Poster Presentation: Supriya\*, **Moreau, C. S.** & Price, T. D. (2018). Effect of ants on bird species diversity pattern along an elevational gradient in eastern Himalaya. Evolution Meetings (Society for the Study of Evolution), Montpellier, France.
- Poster Presentation: Supriya\*, **Moreau, C. S.** & Price, T. D. (2017). Competition between birds and ants for nesting cavities in eastern Himalayas. International Biogeography Society, Bangalore, India.

- Poster Presentation: Reeves, D.\*\* , Klaeser, H.\*\* , McCray, D.\*\* , Trychta, M.\*\* , Price, S. P., & **Moreau, C. S.** (2017). The distribution and diversity of symbiotic microbial communities within a widespread Neotropical ant host (*Cephalotes atratus*). Evolution Meetings (Society for the Study of Evolution), Portland, Oregon, USA (Presenting author, Destiny Reeves, was an invited SSB/SSE Undergraduate Diversity Program participant).
- Oral Paper: Price, S. L., Powell, S. & **Moreau, C. S.** (2017). How ecology shapes adaptive phenotypic evolution in a eusocial lineage: the evolution of the specialized soldier caste in turtle ants. Evolution Meetings (Society for the Study of Evolution), Portland, Oregon, USA.
- Oral Paper: Nelsen, M. P., **Moreau, C. S.** & Ree, R. H. (2017). Elaborating the macroevolutionary dynamics of ants-plant interactions. Evolution Meetings (Society for the Study of Evolution), Portland, Oregon, USA.
- Poster Presentation: Reeves, D.\*\* , Klaeser, H.\*\* , McCray, D.\*\* , Trychta, M.\*\* , Price, S. P., & **Moreau, C. S.** (2016). The distribution and diversity of symbiotic microbial communities within a widespread Neotropical ant host (*Cephalotes atratus*). Society for Advancement of Hispanics/Chicanos and Native Americans in Science (SACNAS) in Long Beach, California, USA.
- Oral Paper: Price, S. L. & **Moreau, C. S.** (2016). Microbial diversity and distribution within a widespread Neotropical ant host (*Cephalotes atratus*): An evolutionary and geographic perspective. International Congress of Entomology, Orlando, Florida, USA.
- Oral Paper: Blanchard, B. D.\* & **Moreau, C. S.** (2016). Defensive traits exhibit an evolutionary trade-off and drive diversification in ants<sub>SEP</sub>. International Congress of Entomology, Orlando, Florida, USA.
- Oral Paper: Boot, M. R.\*\* & **Moreau, C. S.** (2016). Species compositional change across an elevations gradient within the ant genus *Formica*. International Congress of Entomology, Orlando, Florida, USA.
- Oral Paper: Probst, R.\*\* & **Moreau, C. S.** (2016). Molecular and morphological characters as tools to resolve cryptic species taxonomy and phylogenetics — the case of the ant genus *Basiceros*. International Congress of Entomology, Orlando, Florida, USA.
- Oral Paper: Winston, M. E.\* , Kronauer, D., & **Moreau, C. S.** (2016). Early and dynamic colonization of Central America drives speciation in Neotropical army ants. Evolution Meetings (Society for the Study of Evolution), Austin, Texas, USA.
- Oral Paper: Wray, B. D.\*\* & **Moreau, C. S.** (2016). An empirical test of reduced- representation genomics to inferring species-level phylogenies for two ant groups. Evolution Meetings (Society for the Study of Evolution), Austin, Texas, USA.
- Oral Paper: Winston, M. E.\* , Kronauer, D., & **Moreau, C. S.** (2015). Repeated invasions of Central America drive speciation in a clade of top Neotropical predators. Entomological Society of America Meeting, Minneapolis, MN, USA (awarded second place in the President's award student competition).
- Oral Paper: Blanchard, B. D.\* & **Moreau, C. S.** (2015). Ants and their defenses: an evolutionary trade-off? Entomological Society of America Meeting, Minneapolis, MN, USA.
- Oral Paper: Ramalho, M. O.\* & **Moreau, C. S.** (2015). Molecular characterization of the microbiota associated with two genera of ants (*Polyrhachis* spp. and *Camponotus* spp.) through Next Generation Sequencing. Entomological Society of America Meeting, Minneapolis, MN, USA.
- Oral Paper: Rubin, B. E. R.\* & **Moreau, C. S.** (2014). Genome-wide rates of molecular evolution are higher in mutualistic plant-nesting ants. Entomological Society of America

- Meeting, Portland, OR, USA.
- Oral Paper: Winston, M. E.\* & **Moreau, C. S.** (2014). Utilizing genotyping-by-sequencing to elucidate Neotropical army ant evolution. Entomological Society of America Meeting, Portland, OR, USA.
- Oral Paper: Rubin, B. E. R.\* & **Moreau, C. S.** (2014). The genetic basis of mutualism in *Pseudomyrmex* plant-ants. International Union for the Study of Social Insects (IUSI), Cairns, Queensland, Australia.
- Oral Paper: Winston, M. E.\*, Kronauer, D. J. C., & **Moreau, C. S.** (2014). Utilizing genotyping-by-sequencing to elucidate Neotropical army ant evolution. International Union for the Study of Social Insects (IUSI), Cairns, Queensland, Australia.
- Oral Paper: Brilmyer, G. & **Moreau, C. S.** (2014). The impact of climatic changes on ant distributions. International Union for the Study of Social Insects (IUSI), Cairns, Queensland, Australia.
- Oral Paper: Rubin, B. E. R.\* & **Moreau, C. S.** (2014). Genome-wide rates of molecular evolution are higher in mutualistic plant-nesting ants. Evolution Meetings (Society for the Study of Evolution), Raleigh, NC, USA.
- Oral Paper: Winston, M. E.\*, Kronauer, D. J. C., & **Moreau, C. S.** (2014). Utilizing genotyping-by-sequencing to elucidate Neotropical army ant evolution. Evolution Meetings (Society for the Study of Evolution), Raleigh, NC, USA.
- Oral Paper: Mezger, D. & **Moreau, C. S.** (2014). Phylogeny and biogeography of the spiny ant genus *Polyrhachis* (Hymenoptera: Formicidae). Evolution Meetings (Society for the Study of Evolution), Raleigh, NC, USA.
- Poster Presentation: Thompson, A.\*\*\*, Trujillo, G.\*\*\*, Winston, M. E.\* & **Moreau, C. S.** (2014). Assessing genotypic bias in Neotropical army ant caste determination. Evolution Meetings (Society for the Study of Evolution), Raleigh, NC, USA.
- Poster Presentation: Trujillo, G.\*\*\*, Thompson, A.\*\*\*, Winston, M. E.\* & **Moreau, C. S.** (2014). Inferring parentage in *Eciton burchellii* colonies. Evolution Meetings (Society for the Study of Evolution), Raleigh, NC, USA.
- Oral Paper: Burchill, A. T.\*\*\*, Winston, M. E.\* & **Moreau, C. S.** (2013). Genetic influence in the caste determination of army ants. MidStates Consortium for Math and Science Undergraduate Research Symposium, Washington University, St. Louis, MO, USA.
- Oral Paper: Rubin, B. E. R.\* & **Moreau, C. S.** (2013). The draft genome of the big-eyed arboreal ant *Pseudomyrmex gracilis*. Entomological Society of America Meeting, Austin, TX, USA.
- Oral Paper: Winston, M. W.\* & **Moreau, C. S.** (2013). Genetic correlates of morphological diversity in Costa Rican army ants (*Eciton burchellii*). Entomological Society of America Meeting, Austin, TX, USA.
- Oral Paper: Rubin, B. E. R.\* & **Moreau, C. S.** (2013). The genome of the big-eyed arboreal ant *Pseudomyrmex gracilis*. Evolution Meetings (Society for the Study of Evolution), Snowbird, UT, USA.
- Oral Paper: Winston, M. E.\* & **Moreau, C. S.** (2013). Genetic correlates of morphological diversity in Costa Rican army ants. Evolution Meetings (Society for the Study of Evolution), Snowbird, UT, USA.
- Poster Presentation: Rubin, B. E. R.\*, Kautz, S., & **Moreau, C. S.** (2012). The genome of the arboreal ant, *Pseudomyrmex gracilis*. Entomological Society of America Meeting, Knoxville, TN, USA.

- Poster Presentation: Winston M. E.\*, Hampton-Marcel J., Zarronaindia, I., Owens S., **Moreau, C. S.**, Gilbert J. A., Kennedy, S., & Gibbons, S.M. (2012). Understanding the impact of potential root decay on the microbiome of associated bulk-soil, rhizosphere and roots in three *Cannabis* spp. strain types. 4th Annual Argonne Soil Metagenomics Meeting, Chicago, IL, USA.
- Oral Paper: Kautz, S., Rubin, B. E. R.\*, & **Moreau, C. S.** (2011). Surveying the microbiome using 454 sequencing: Diversity and putative functions of bacteria in ants. Entomological Society of America Meeting, Reno, NV, USA.
- Oral Paper: Rubin, B. E. R.\*, Kautz, S., & **Moreau, C. S.** (2011). Genomic and dietary consequences of plant-ant mutualism. Entomological Society of America Meeting, Reno, NV, USA.
- Oral Paper: O'Connor, T. K.\*\* & **Moreau, C. S.** (2011). Origins and success of polygynous supercolonies of the Neotropical termite *Nasutitermes corniger*. Entomological Society of America Meeting, Reno, NV, USA.
- Oral Paper: Kautz, S., Rubin, B. E. R.\*, & **Moreau, C. S.** (2010). Microbial associates of the giant neotropical bullet ant *Paraponera clavata*. Entomological Society of America Meeting, San Diego, CA, USA.
- Oral Paper: Rubin, B. E. R.\*, Kautz, S., & **Moreau, C. S.** (2010). Evolution of mutualism in acacia-ants. Entomological Society of America Meeting, San Diego, CA, USA.
- Oral Paper: O'Connor, T. K.\*\*, Suarez, A. V., & **Moreau, C. S.** (2010). Population structure and aggressive interactions in the Neotropical termite *Nasutitermes corniger*. Entomological Society of America Meeting, San Diego, CA, USA.
- Poster Presentation: Zufan, S.\*\*, Wray, B.\*\*, Rubin, B. E. R.\*, Kautz, S., & **Moreau, C. S.** (2010). Evolutionary histories of bacterial endosymbionts and their ant hosts. Entomological Society of America Meeting, San Diego, CA, USA.
- Oral Paper: Kautz S., Rubin B. E.\*, **Moreau C. S.** (2010). Evaluating methods to assess microbe diversity in ants: trade-offs between traditional approaches and 454 pyrosequencing. International Union for the Study of Social Insects (IUSSI), Copenhagen, Denmark.

## **MEDIA EXPERIENCES**

- 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/D0HGz4RPLwc> (>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> (>115,000 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>

2012 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.

## **SOCIETIES AND COMMITTEES**

- 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–present
- Society of Systematic Biologists (SSB), member 2004–present; member Membership Committee



2009–2010; elected Council Member 2014–2016; Nominations Committee 2018–2021  
(Lifetime Membership)

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

Entomological Society of Queensland, member 2007–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)

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

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

American Alliance of Museums, member 2015–present

Sigma Xi (The Scientific Research Honor Society), full member 2018–present

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**

### *Postdoctoral researchers:*

#### *Current:*

- Douglas Booher: 2018–present

- Manuela Ramalho: 2018–present

#### *Past:*

- Felix Grewe (Now: Genome Analyst - Field Museum): 2014–2016

- Stefanie Kautz (Now: Assistant Professor - Portland State University): 2009–2014

- Steve Leavitt (Now: Assistant Professor - Brigham Young University): 2013–2015

- Dirk Mezger (Now: Project Manager & Photographer - AntBase.net): 2013–2014

- Matthew Nelsen (Now: Postdoctoral Researcher - Field Museum): 2016–2018

- Shauna Price (Now: Assistant Teaching Professor - Loyola University Chicago): 2015–2018

- April Wright (Now: Assistant Professor - Southeastern Louisiana University): 2016–2017

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

#### *Current:*

- Megan Barkdull (Cornell University) primary thesis advisor: 2019–present

- Benjamin Blanchard (University of Chicago) primary thesis advisor: 2014–present

- Anaïs Chanson (University of French Guiana, France) co-advisor with Christophe Duplais:  
2017–present

- Peter Flynn (University of Chicago) primary thesis advisor: 2016–present

- Leland Graber (Cornell University) primary thesis advisor: 2019–present

- Jaime Ortiz (Cornell University) primary thesis advisor: 2019–present

Graduated:

- Benjamin Rubin (University of Chicago) primary thesis advisor (now a postdoc at Princeton University): 2009–2015
- Manuela Ramalho (UNESP Rio Claro, Brazil) co-advisor with Odair Bueno (now a postdoc at Cornell University): 2015–2017
- Supriya (University of Chicago) co-advisor with Trevor Price (now a postdoc at Arizona State University): 2014–2019
- Max Winston (University of Chicago) primary thesis advisor (now lead computational biologist at a private biotech company): 2011–2017
- Lu Yao (University of Chicago) co-advisor with Bob Martin (now a postdoc at American Museum of Natural History): 2011–2016

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

Graduated:

- Jordan Greer (University of Chicago) primary thesis advisor: 2017–2019

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

Current:

- Benoit Bechade (Drexel University) thesis committee member: 2019–present
- Kit Martin (Northwestern University) thesis committee member: 2017–present
- Jesus Martinez-Gomez (Cornell University) thesis committee member: 2018–present
- Daniella Prince (University of Louisville) thesis committee member: 2017–present

Graduated:

- Doug Booher (University of California, Los Angeles) thesis committee member: 2013–2017
- Victoria Flores (University of Chicago) thesis committee member: 2014–2018
- Yi Hu (Drexel University) thesis committee member: 2010–2015
- Daniela Palmer (University of Chicago) thesis committee member: 2014–2018
- Adam Salyer (Purdue University) thesis committee member: 2013–2017
- Laura Southcott (University of Chicago) thesis committee member: 2015–2019

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

- Lynika Strozier (Loyola University) thesis committee member: 2013–2017

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

- Andrew Burchill (University of Chicago; now Ph.D. student at Arizona State University): 2014
- Destiny Reeves (University of Chicago; now Research Assistant at University of Chicago): 2017
- Timothy Salazar (University of Chicago; Fulbright Fellow in Chile and now Ph.D. student at Cornell University): 2015

*Undergraduate interns:*

Cornell University:

- Cristina Gómez (Magdalena University, Colombia): Summer 2019 (CienciAmerica intern)
- Zoe Kim (Cornell University – Entomology major): 2019–present
- Vanessa Viveros (Los Medanos College, California): Summer 2019 (NSF REU intern)

- Stephen Wang (Cornell University – Entomology major): 2019–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 CIRRU 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 CIRBUS 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): Summer 2010
- Charles Griggs (Proviso Mathematics and Science Academy): Spring 2012–Summer 2012
- Eveline Liu (Illinois Mathematics and Science Academy): Fall 2013–Spring 2014
- Katherine McDonnell (St. Francis High School): Summer 2012
- Chelsea Wang (Naperville North High School): Summer 2013

*Trainees:*

- Frank Azorsa (visiting scientist – Museo de Historia Natural, Lima, Peru): 2009
- Caroline Birer (visiting postdoc): 2017
- 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
- Rodolfo Probst (visiting master's student from University of São Paulo): 2015; (research assistant) 2016
- Gregory Putzel (visiting postdoctoral researcher – Northwestern University): 2012–2014
- Manuela Ramalho (visiting Ph.D. student – UNESP Rio Claro, Brazil & CAPES Fellow): 2015
- Destiny Reeves (research assistant): 2017-2018
- Joseph Rowlett (research assistant): 2014–2015
- James Waters (visiting postdoctoral researcher – Princeton University): 2014
- Alexandra Westrich (research assistant): 2010–2012 & 2014–2015
- Brian Wray (research assistant): 2010–2017

*Visiting Scientists/Professors:*

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

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).