

PRASHANT P. SHARMA

UNIVERSITY OF WISCONSIN-MADISON ·
DEPARTMENT OF INTEGRATIVE BIOLOGY ·
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EDUCATION

Ph.D. Harvard University, Organismic and Evolutionary Biology May 2012
Thesis dissertation: “Systematics, evolution, and development in Opiliones”

A.B. Harvard University, Biology, *summa cum laude* June 2006

APPOINTMENTS

2022-present Director, Zoology Museum, University of Wisconsin-Madison, Department of Integrative Biology

2022-present Associate Professor, University of Wisconsin-Madison, Department of Integrative Biology

2015-2022 Assistant Professor, University of Wisconsin-Madison, Department of Integrative Biology

2016-present Zero-time faculty associate, University of Wisconsin-Madison, Department of Entomology

2016-present Cellular and Molecular Biology graduate program trainer, University of Wisconsin-Madison

2015-present J.F. Crow Institute for the Study of Evolution faculty member, University of Wisconsin-Madison

2012-2015 National Science Foundation Postdoctoral Fellow, American Museum of Natural History, Division of Invertebrate Zoology

2007-2012 Post-graduate (PhD) student, Harvard University, Department of Organismic and Evolutionary Biology

2003-2006 Undergraduate research assistant, Harvard University, Department of Organismic and Evolutionary Biology

TEACHING EXPERIENCE

INSTRUCTOR

2026 Zoology 301: Invertebrate Biology and Evolution Lab (UW-Madison)

2026 Zoology 301: Invertebrate Biology and Evolution Lab (UW-Madison)

2025 Zoology 957: Mechanics and Strategies in Professional Peer Review

2024 Zoology 957: Frontiers in Invertebrate Biology

2023 Introductory Biology 152 (UW-Madison)

2023 Zoology 300: Invertebrate Biology and Evolution (UW-Madison)

2023 Zoology 301: Invertebrate Biology and Evolution Lab (UW-Madison)

2022 Zoology 301: Invertebrate Biology and Evolution Lab (UW-Madison)

2021 Introductory Biology 152 (UW-Madison)

2021 Zoology 300: Invertebrate Biology and Evolution (UW-Madison)

2020 Introductory Biology 152 (UW-Madison)
 2020 Zoology 957: The Evolution of Phylogenetic Methods
 2019 Introductory Biology 152 (UW-Madison)
 2019 Zoology 300: Invertebrate Biology and Evolution (UW-Madison)
 2019 Zoology 301: Invertebrate Biology and Evolution Lab (UW-Madison)
 2018 Introductory Biology 152 (UW-Madison)
 2018 Zoology 300: Invertebrate Biology and Evolution (UW-Madison)
 2018 Zoology 301: Invertebrate Biology and Evolution Lab (UW-Madison)
 2017 Zoology 957: Topics in the Evolutionary Developmental Biology of Animals (UW-Madison; graduate level)
 2017 Zoology 400: Topics in the Evolutionary Developmental Biology of Animals (UW-Madison; undergraduate level)
 2017 Taxonomy of Opiliones (Israeli Taxonomy Initiative, Hebrew University of Jerusalem, Israel)
 2017 Zoology 300: Invertebrate Biology and Evolution (UW-Madison)
 2017 Zoology 301: Invertebrate Biology and Evolution Lab (UW-Madison)
 2016 Introductory Biology 152 (UW-Madison)

TEACHING ASSISTANT

2012 OEB 141: Biogeography (Harvard University)
 2011 OEB 275r: Phylogeography and Geographic Variation in the Era of Genomics (Harvard University)
 2010 OEB 141: Biogeography (Harvard University)
 2009 SLS 12: Understanding Darwinism (Harvard University)

GRANTS, FELLOWSHIPS AND HONORS

GRANTS

Total research funds raised at UW-Madison: \$2,975,746

2026-2027 Fall Research Competition, Wisconsin Alumni Research Foundation, University of Wisconsin-Madison, for pilot study on transgenic tools in spiders (\$66,280)
 2025-2027 Vilas Faculty Mid-Career Investigator Award University of Wisconsin-Madison (\$75,000)
 2024-2025 Vilas Life Cycle fellowship, University of Wisconsin-Madison (\$39,789)
 2021-2024 U.S.-Egypt Science and Technology Joint Fund, Cycle 20 (\$162,935)
 2020-2024 National Science Foundation-Binational Science Foundation (NSF-BSF), Division of Integrative and Organismal Systems (NSF IOS-2016141; \$1,798,568 [UW-Madison: \$1,476,836])
 2020-2023 Binational Science Foundation (BSF-2019216; \$240,000 [UW-Madison: \$118,100])
 2020-2022 Supplement to National Science Foundation Faculty Early Career Development Program, Division of Integrative and Organismal Systems (NSF IOS-1552610; \$79,979)
 2019-2021 Fall Research Competition, Wisconsin Alumni Research Foundation, University of Wisconsin-Madison, for pilot study on transgenic tools in spiders (\$78,407)
 2019 Company of Biologists for symposium “Growth, morphogenesis, and developmental genetics” at the 21st International Congress of Arachnology (£3,000)
 2018-2019 National Geographic Society grant for exploratory fieldwork in Israel (NGS-271R-18; \$24,167)

- 2016-2022 National Science Foundation Faculty Early Career Development Program, Division of Integrative and Organismal Systems (NSF IOS-1552610; \$850,000)
- 2012-2015 National Science Foundation Postdoctoral Research Fellowship in Biology, Competitive Area 2 (Intersections of Biology and Mathematical and Physical Sciences) for work on computational biogeography (NSF DBI-1202751; \$189,000)

HONORS AND AWARDS

- 2025 James R. Underkofler Excellence in Teaching Award, Fall 2025
- 2024 Vilas Faculty Mid-Career Investigator Award, Fall 2024
- 2023 Honored Instructor, University Housing, Fall 2023
- 2023 Whitman Fellow, Woods Hole Marine Biological Laboratory
- 2023 Class of 1955 Teaching Excellence Award
- 2022 Honored Instructor, University Housing, Fall 2022
- 2021 Honorific species: *Troglosiro sharmai* Giribet and Baker, 2021
- 2019 Plenary speaker at the 3rd Pan-American Society of Evolutionary Developmental Biology conference, Miami [2 August 2019]
- 2019 Plenary speaker at the 21st International Congress of Arachnology, Christchurch, New Zealand [February 15, 2019]
- 2016 Honorific species: †*Petrobunoides sharmai* Selden et al. 2016 (oldest known fossil of the arachnid suborder Laniatores)
- 2015 Honorific species: *Austropurcellia sharmai* Boyer & Quay, 2015
- 2014 Plenary speaker at the 4th Congreso Latinoamericano de Aracnología, Morelia, México (given in Spanish) [July 21, 2014]
- 2013 Invited speaker at the 9th Annual University of Michigan Early Career Scientists Symposium [March 16, 2013]
- 2012 Harvard University Certificate of Teaching Excellence [Fall 2011 semester]
- 2012 2nd place prize for student presentation, Division of Phylogenetic and Comparative Biology, Annual Meeting of the Society for Integrative and Comparative Biology
- 2010 Harvard University Certificate of Teaching Excellence [Spring 2010 semester]
- 2010 2nd place prize for student presentation, 18th International Congress of Arachnology
- 2010 Willi Hennig Award (1st place student presentation), Willi Hennig Society
- 2008 Lars Brundin Award (2nd place student presentation), Willi Hennig Society
- 2006 Phi Beta Kappa, Alpha Iota chapter [inducted June 2006]

FELLOWSHIPS

- 2023 Woods Hole MBL Whitman Fellowship
- 2013 National Geographic Society grant for exploratory fieldwork in the Philippines
- 2011 Research exchange grant, Evo-Devo-Eco Network (EDEN), for work on developmental techniques in arachnids (NSF IOS-0955517)
- 2011 Student grant for attending the 3rd Latin-American Congress of Arachnology
- 2011 Deakin-Royce Fellowship for study in Australia, Australian Studies Committee, Harvard University
- 2010 Marie Stopes Travel Award, Willi Hennig Society
- 2009 Putnam Expedition Grant, Museum of Comparative Zoology, Harvard University
- 2008 Marie Stopes Travel Award, Willi Hennig Society
- 2008 Putnam Expedition Grant, Museum of Comparative Zoology, Harvard University
- 2008 National Science Foundation Graduate Research Fellowship, honorable mention
- 2006 Exploration Fund Award, Explorers Club
- 2006 Goelet Award Fund, Harvard University

PUBLICATIONS

 †Undergraduate co-author.

PEER-REVIEWED

140. Setton, E.V.W., Neu, S.M., Laumer, E.L., Klementz, B.C., Wanninger, A., **Sharma P.P.**, Brenneis, G. (in review) The arthropod labrum and sea spider proboscis represent outgrowths of an antero-median oral field. *Science Advances*.
139. Bhoi, J.P., Mule, R., Savale, N., Sharma, P.P., Kulkarni, S.S. (2026, in press) Ancient gene linkages and ultraconserved elements disentangle Acari interrelationships. *iScience*, 114616.
138. Klementz, B.C., Neu, S.M., Laumer, E.M., Setton, E.V.W., Hinne, I.A., Barnett, A.A., Hämmerle, M., Brenneis, G., Gulia-Nuss, M., **Sharma, P.P.** (2026, in press) Developmental system drift in the patterning of the arthropod tarsus. *Proceedings of the Royal Society of London B: Biological Sciences*.
137. Bolton, S.J., **Sharma, P.P.** (2026, in press) Reconciling morphology with phylogenomics in Chelicerata (Arthropoda). *Zoological Journal of the Linnean Society*.
136. Santibáñez-López, C.E., **Sharma, P.P.** (2026, in press) Advances in the phylogenomics of Neotropical scorpions. In: *The Biology of Neotropical Scorpions* (Eds: Lira, A., González-Santillán, E.). Springer Press.
135. Lo-Man-Hung, N., Andrade, S.C., **Sharma, P.P.**, Torres, T.T., Brown, F.D. (2025) Efficiency of five RNA extraction protocols for *Grammostola actaeon* (Pocock, 1903) small spinneret tissue samples. *Journal of Arachnology* 53: 118–124.
134. Hussein, S.I., Al-Awadhi, R.M., Nafie, M.S., Abdel-Nabi, I.M., Gerges, M.M., **Sharma, P.P.**, Abdel-Rahman, M.A. (2025) Scorpion venom cytolytic peptide Smp43 induces caspase-dependent apoptosis in ovarian carcinoma cell line OVCAR-3. *Egyptian Journal of Basic and Applied Sciences* 12: 300–316.
133. Klementz, B.C., Kulkarni, S.S., Abshire, K.A., Sharma, P.P. (2025) Exploring genome architecture as a source of phylogenetic characters for resolving the apulmonate arachnid phylogeny. *Molecular Phylogenetics and Evolution* 210: 108380.
132. Papadopoulos, N., Kulkarni, S.S., Fromm, B., Baranyi, C., Setton, E.V.W., **Sharma, P.P.**, Wanninger, A., Brenneis, G. (2025) The genome of a sea spider corroborates a shared Hox cluster motif in arthropods with reduced posterior tagma. *BMC Biology* 23: 196. [Featured in *The New York Times*]
131. Abshire, K.M., **Sharma, P.P.** (2025) Embryonic staging of the brown garden snail *Cornu aspersum* (Gastropoda: Stylommatophora), an emerging model gastropod. *Journal of Molluscan Studies* 91: eyaf012.
130. Klementz, B.C., Brenneis, G., Laumer, E.M., Neu, S.M., Harvey, M.S., **Sharma, P.P.** (2025) Evolution and homology of leg segments in Chelicerata: Evo-devo solutions to century-old challenges. *Arthropod Structure and Development* 87: 101446.

129. Hinne, I.A., Ciccotti, H.R., Wudarski, J., Pham, M.N., Sharma, A., McVicar, M.M., Faustino, B., Nuss, A.B., **Sharma, P.P.**, Gulia-Nuss, M. (2025) Early embryonic development in the tick *Ixodes scapularis* suggests syncytial organization and cellularization before blastoderm formation. *EvoDevo* 16: 4.
128. Propistsova, E.A., Gainett, G., Chipman, A.D., **Sharma, P.P.**, Gavish-Regev, E. (2025) Shedding light on the embryogenesis and eye development of the cave spider *Tegenaria pagana* C. L. Koch, 1840 (Araneae: Agelenidae). *EvoDevo* 16: 2.
127. Kulkarni, S.S., Klementz, B.C., **Sharma, P.P.** (2025) A chromosome-level genome of the giant vinegaroon *Mastigoproctus giganteus* exhibits the signature of pre-Silurian whole genome duplication. *Journal of Heredity* esae074.
126. Sharma, P.P., Gavish-Regev, E. (2025) The evolutionary biology of Chelicerata. *Annual Reviews of Entomology* 70: 143–163.
125. †Psenicnik, A.F., Ojanguren-Affilastro, A.A., Graham, M.R., Hassan, M.K., Abdel-Rahman, M.A., **Sharma, P.P.**, Santibáñez-López, C.E. (2024) Optimizing scorpion toxin processing through artificial intelligence. *Toxins* 16: 437.
124. Klementz, B.C., Brenneis, G., Hinne, I.A., †Laumer, E.M., †Neu, S.M., †Hareid, G.M., Gainett, G., Setton, E.V.W., Simian, C., Vrech, D.E., Joyce, I., Barnett, A.A., Patel, N.H., Harvey, M.S., Peretti, A.V., Gulia-Nuss, M., Sharma, P.P. (2024) A novel expression domain of *extradenticle* underlies the evolutionary developmental origin of the chelicerate patella. *Molecular Biology and Evolution* 41: msae188.
123. Setton, E.V.W., Ballesteros, J.A., †Błaszczuk, P.O., Klementz, B.C., **Sharma, P.P.** (2024) A taxon-restricted duplicate of *Iroquois3* is required for patterning the spider waist. *PLoS Biology* 22: e3002771. [Featured in *Science*] [Featured in *EurekAlert*]
122. †Steiner, H.G., Aharon, S., Ballesteros, J.A., Gainett, G., Gavish-Regev, E., **Sharma, P.P.** (2024) Machine learning approaches to evaluate microendemicity and conservation risk in cave-dwelling arachnofauna. *Conservation Genetics* 25: 1103–1110.
121. de Miranda, G.S., Kulkarni, S.S., Tagliatela, J., Baker, C.M., Giupponi, A.P.L., Labarque, F.M., Gavish-Regev, E., Rix, M.G., Carvalho, L.S., Fusari, L.M., Wood, H.M., **Sharma, P.P.** (2024) The rediscovery of a relict unlocks the first global phylogeny of whip spiders (Amblypygi). *Systematic Biology* 73: 493–505.
120. Gerges, M.M., Mehana, A.E., Rahmy, T.R., **Sharma, P.P.**, Abdel-Rahman, M.A. (2024) Cytotoxic activity and mechanism of action of Smp43 scorpion peptide against colorectal cancer cell line HCT-116. *Toxin Reviews* 43: 370–383.
119. Gainett, G., Klementz, B.C., †Błaszczuk, P.O., Setton, Emily V.W.S., Murayama, G.P., Willemart, R., Gavish-Regev, E., **Sharma, P.P.** (2024) Vestigial organs alter fossil placements in an ancient group of terrestrial chelicerates. *Current Biology* 34: 1258–1270. [Cover article] [Featured in *The New York Times*] [Featured on *Wisconsin Public Radio*] [Featured in *Smithsonian Magazine*] [Featured in *The Daily Cardinal*]
118. Gainett, G., Klementz, B.C., Setton, E.V.W., Simian, C., Iuri, H., Edgecombe, G.D., Peretti, A.V., **Sharma, P.P.** (2024) A plurality of morphological characters need not equate with

phylogenetic accuracy: A rare genomic change refutes the placement of Solifugae and Pseudoscorpiones in Haplocnemata. *Evolution & Development* 26: e12467.

117. Kulkarni, S.S., Yamasaki, T., Phung, L.T.H., Karuaera, N., Daniels, S., Gavish-Regev, E., **Sharma, P.P.** (2024) Phylogenomic data reveal three new families of poorly studied camel spiders. *Molecular Phylogenetics and Evolution* 191: 107989.

116. Klementz, B.C., **Sharma P.P.** (2023) New species of *Paktongius* (Opiliones: Laniatores: Assamiidae) and convergent evolution of the gonyleptoid-like habitus in Southeast Asian Assamiidae. *Zootaxa* 5389: 34–54.

115. Warburg, S., Aharon, S., Armiach Steinpress, I., **Sharma, P.P.**, Harms, D., Gavish-Regev, E. (2023) Pseudoscorpions of Israel: Annotated checklist and key, with new records of two families (Arachnida: Pseudoscorpiones). *Taxonomy* 3: 466–495.

114. Kulkarni, S.S., Steiner, H.G., Garcia, E.L., Iuri, H., Jones, R.R., Ballesteros, J.A., Gainett, G., Graham, M.R., Harms, D., Lyle, R., Ojanguren-Affilastro, A.A., Santibañez-López, C.E., Silva de Miranda, G., Cushing, P.E., Gavish-Regev, E., **Sharma, P.P.** (2023) Neglected no longer: Phylogenomic resolution of higher- level relationships in Solifugae. *iScience* 26: 107684.

113. Santibañez-López, C.E., Ojanguren-Affilastro, A.A., Graham, M.R., **Sharma, P.P.** (2023) Congruence between ultraconserved element-based matrices and phylotranscriptomic datasets in the scorpion tree of life. *Cladistics* 39: 533–547.

112. **Sharma, P.P.** (2023) The impact of whole genome duplication on the evolution of the arachnids. *Integrative and Comparative Biology* 63: 825–842.

111. Gainett, G., Klementz, B.C., †Błaszczuk, P.O., Bruce, H.S., Patel, N.D., **Sharma, P.P.** (2023) Dual functions of *labial* resolve the Hox logic of chelicerate head segments. *Molecular Biology and Evolution* 40: msad037.

110. **Sharma, P.P.** (2023) Duplication and evolution of Hox clusters in Chelicerata (Arthropoda). In: Ferrier, D.E.K., Hall, B.K. (editors). *Hox modules in Evolution and Development*. Boca Raton, FL: CRC Press, Taylor Francis Group, pp. 77–102.

109. Aharon, S., Ballesteros, J.A., Gainett, G., **Sharma, P.P.**, Hawlena, D., Gavish-Regev, E. (2023) In the land of the blind: Exceptional subterranean speciation of cryptic troglobitic spiders of the genus *Tegenaria* (Araneae: Agelenidae) in Israel. *Molecular Phylogenetics and Evolution* 183: 107705.

108. Bartel, C., Dunlop, J.A., **Sharma, P.P.**, Selden, P.A., Tarasov, P.E., Ren, D. (2023) Four new laniatorean harvestmen (Arachnida: Opiliones) from mid-Cretaceous Burmese amber. *PalaeoWorld* 32: 124–135.

107. Palmieri, L., Giribet, G., **Sharma, P.P.** (2023) Too early for the ferry: The biogeographic history of the Assamiidae of southeast Asia (Chelicerata: Opiliones, Laniatores). *Molecular Phylogenetics and Evolution* 78: 107647.

106. Palmieri, L., Pavarini, R., **Sharma, P.P.** (2022) Draft genome sequence of *Candidatus Nardonella dryophthoridicola* NARMHE1, endosymbiont of *Metamasius hemipterus* (Coleoptera, Curculionidae, Dryophthorinae). *Microbiology Resource Announcements* 11: 11.

105. Palmieri Rocha, L., Chamorro, M.L., **Sharma, P.P.** (2022) Phylogenetic assessment of the *Metamasius hemipterus* species complex (Coleoptera, Curculionidae, Dryophthorinae). ***Molecular Phylogenetics and Evolution*** 175: 107589.
104. Baker, C.M., Ballesteros, J.A., Aharon, S., Gainett, G., Armiaich Steinpress, I., Wizen, G., **Sharma, P.P.**, Gavish-Regev, E. (2022) Recent speciation and phenotypic plasticity within a parthenogenetic lineage of Levantine whip spiders (Chelicerata: Amblypygi: Charinidae). ***Molecular Phylogenetics and Evolution*** 175: 107560.
103. Santibáñez-López, C.E., Aharon, S., Baker, C.M., Ballesteros, J.A., Gainett, G., González-Santillán, E., Harvey, M.S., Hassan, M.K., Monod, L., Ojanguren-Affilastro, A., Pinto-da-Rocha, R., Zvik, Y., Gavish-Regev, E., **Sharma P.P.** (2022) Phylogenomics of scorpions reveal contemporaneous diversification of scorpion mammalian predators and mammal-specific sodium channel toxins. ***Systematic Biology*** 71: 1281–1289.
102. *Gainett, G., *†Crawford, A.R., †Klementz, B.C., †So, C., Baker, C.M., Setton, E.V.W., **Sharma, P.P.** (2022) Eggs to longlegs: Embryonic staging of the harvestman *Phalangium opilio* (Opiliones), an emerging model arachnid. ***Frontiers in Zoology*** 19: 11. (*equal author contribution)
101. Ballesteros, J.A., Santibáñez-López, C.E., Baker, C.M., Benavides, L.R., Cunha, T.J., Gainett, G., Ontano, A.Z., Setton, E.V.W., Arango, C.P., Gavish-Regev, E., Harvey, M.S., Wheeler, W.C., Hormiga, G., Giribet, G., **Sharma, P.P.** (2022) Comprehensive species sampling and sophisticated algorithmic approaches refute the monophyly of Arachnida. ***Molecular Biology and Evolution*** 39: msac21. [Featured in *The New York Times*]
100. Ontano, A.Z., †Steiner, H.G., **Sharma P.P.** (2022) How many long branch orders occur in Chelicerata? Opposing effects of Palpigradi and Opilioacariformes on phylogenetic stability. ***Molecular Phylogenetics and Evolution*** 168: 107378.
99. **Sharma, P.P.**, Ballesteros, J.A., Santibáñez-López, C.E. (2021) What is an “arachnid”? Consensus, consilience, and confirmation bias in the phylogenetics of Chelicerata. ***Diversity*** 13: 568. [Highlighted by the journal as Editor’s Choice]
98. Gainett, G., González, V.L., Ballesteros, J.A., Setton, E.V.W., Baker, C.M., †Barolo Gargiulo, L., Santibáñez-López, C.E., Coddington, J.A., **Sharma, P.P.** (2021) The genome of a daddy-long-legs (Opiliones) illuminates the evolution of arachnid appendages and chelicerate genome architecture. ***Proceedings of the Royal Society of London B: Biological Sciences*** 288: 20211168. [Featured in *Science*] [Featured in *Nature*] [Featured in *The New York Times*] [Featured in *The Atlantic*] [Featured on *National Public Radio*]
97. Cotoras, D.D., de S. Castanheira, P., **Sharma, P.P.** (2021) A cheliceral axial duplication in the long-jawed orb-weaving spider *Tetragnatha versicolor* (Araneae: Tetragnathidae). ***Development Genes and Evolution*** 231: 131–139.
96. Baudouin Gonzalez, L., Schoenauer, A., Harper, A., Blakeley, G., Seiter, M., Arif, S., Sumner-Rooney, L., Russell, S., **Sharma, P.P.**, McGregor, A.P. (2021) The evolution of Sox gene repertoires and regulation of segmentation in arachnids. ***Molecular Biology and Evolution*** 38: 3153–3169.
95. Ontano, A.Z., Gainett, G., Aharon, S., Ballesteros, J.A., Benavides, L.R., †Corbett, K.F., Gavish-Regev, E., Harvey, M.S., Monsma, S., Santibáñez-López, C.E., Setton, E.V.W., †Zehms, J.T., Zeh, J.A., Zeh, D.W., **Sharma, P.P.** (2021) Taxonomic sampling and rare genomic changes overcome

long-branch attraction in the phylogenetic placement of pseudoscorpions. *Molecular Biology and Evolution* 38: 2446–2467.

94. Setton, E.V.W., **Sharma, P.P.** (2021) A conserved role for *arrow* in the posterior segmentation of Arthropoda. *Developmental Biology* 475: 91–105.

93. *Ballesteros, J.A., *Setton, E.V.W., *Santibáñez-López, C.E., Arango, C.P., Brenneis, G., Brix, S., Cano-Sánchez, E., †Corbett, K.F., †Dandouch, M., Dilly, G.F., Eleaume, M.P., Gainett, G., Gallut, C., †McAtee, S., †McIntyre, L., Moran, A.L., †Moran, R., López-González, P.J., Scholtz, G., Williamson, C., Woods, H.A., †Zehms, J.T., Wheeler, W.C., **Sharma, P.P.** (2021) Phylogenomic resolution of sea spider diversification through integration of multiple data classes. *Molecular Biology and Evolution* 38: 686–701. (*equal author contribution) [Featured in *Science*]

92. Giribet, G., Baker, C.M., **Sharma, P.P.** (2021) A revised phylogeny of the New Caledonian endemic genus *Troglosiro* (Opiliones: Cyphophthalmi: Troglosironidae) with the description of four new species. *Invertebrate Systematics* 35: 59–89.

91. Bartel, C., Dunlop, J.A., **Sharma, P.P.**, Selden, P.A., Ren, D., Shi, C. (2021) Laniatorean harvestmen (Arachnida: Opiliones) from Late Cretaceous Burmese amber. *Cretaceous Research* 119: 104703.

90. Dehnert, G.K., Freitas, M., **Sharma, P.P.**, Barry, T., Karasov, W.H. (2021) Impacts of subchronic exposure to a commercial 2,4-D herbicide on developmental stages of multiple freshwater fish species. *Chemosphere* 263: 127638.

89. Gainett, G., Ballesteros, J.A., Kanzler, C.R., †Zehms, J.M., †Zern, J.M., Aharon, S., Gavish-Regev, E., **Sharma, P.P.** (2020) Systemic paralogy and function of retinal determination network homologs in arachnids. *BMC Genomics* 21: 811.

88. Gainett, G., Willemart, R.H., Giribet, G., **Sharma, P.P.** (2020) Convergent evolution of sexually dimorphic glands in an amphi-Pacific harvestmen family. *Invertebrate Systematics* 34: 871–892.

87. Brenneis, G., Arango, C.P., **Sharma, P.P.**, Schwentner, M. (2020) The more the merrier: unparalleled sympatric species richness in a sea spider genus (Pycnogonida, Callipallenidae, Meridionale) from Tasmanian waters. *Invertebrate Systematics* 34: 837–870. [Cover article]

86. Gainett, G., **Sharma, P.P.** (2020) Genomic resources and toolkits for developmental study of whip spiders (Amblypygi) provide insights into arachnid genome evolution and antenniform leg patterning. *EvoDevo* 11: 18.

85. †Schmidt, S.M., Clouse, R.M., **Sharma, P.P.** (2020) A new *Miopsalis* from Mindanao supports a biogeographic umbilicus between Borneo and the southern Philippines (Arachnida: Opiliones: Cyphophthalmi: Stylocellidae). *Zootaxa* 4779: 379–390.

84. Cano-Sánchez, E., **Sharma, P.P.**, López-González, P.J. (2020) Postembryonic development of *Nymphon australe* Hodgson, 1902 (Pycnogonida, Nymphonidae) from Antarctica. *Polar Biology* 43: 207–223.

83. Santibáñez-López, C.E., Ojanguren-Affilastro, A.A., **Sharma, P.P.** (2020) Another one bites the dust: Taxonomic sampling of a key genus in phylogenomic datasets reveals more nonmonophyletic groups in traditional scorpion classification. *Invertebrate Systematics* 34: 133–143.

82. Nolan, E.D., Santibáñez-López, C.E., **Sharma P.P.** (2020) Developmental gene expression as a phylogenetic data class: Support for the monophyly of Arachnospulmonata. *Development Genes and Evolution* 230: 137–153. [Cover article]
81. Ballesteros, J.A., Santibáñez-López, C.E., Kovác, L., Gavish-Regev, E., **Sharma, P.P.** (2019) Ordered phylogenomic subsampling enables diagnosis of systematic errors in the placement of the enigmatic, long branch arachnid order Palpigradi. *Proceedings of the Royal Society of London B: Biological Sciences* 286: 20192426.
80. Santibáñez-López, C.E., Graham, M.R., **Sharma, P.P.**, Ortiz, E., Possani, L.D. (2019) Hadrurid scorpion toxins: Evolutionary conservation and selective pressures. *Toxins* 11: 637. [Cover article]
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PRESENTATIONS

INVITED LECTURES

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| 2025 | Ecology and Evolutionary Biology Seminar Series, Texas A&M University, College Station, TX [September 2025] |
| 2025 | Biology Colloquium, University of Wisconsin-Madison, WI [September 2025] |
| 2025 | OEB Seminar Series, Harvard University, MA [April 3, 2025] |
| 2023 | 22 st International Congress of Arachnology, Montevideo, Uruguay, symposium speaker (“Solifugae: current knowledge and future directions”) [March 2023] |
| 2023 | Annual Meeting of the Society of Integrative and Comparative Biology, Austin, TX, symposium speaker (“Paths to adulthood: How early life experiences shape organismal form and function”) [January 2023] |
| 2022 | Ecology and Evolutionary Biology Seminar Series, Indiana University, Bloomington, IN [December 2022] |
| 2022 | European Congress of Arachnology, Greifswald, Germany, symposium speaker (“Phylogeny and Evolution of Chelicerata”) [September 2022] |
| 2022 | Entomology seminar series, Cornell University, NY [September 2022] |
| 2022 | Evolutionary Biology Seminar Series, University of Bristol, Bristol, UK [June 2022] |
| 2022 | Ecology and Evolutionary Biology seminar series, Cornell University, NY [February 2022] |
| 2021 | Biology Colloquium, University of Wisconsin-Madison, WI (tenure talk) [September 2021] |
| 2021 | School of Biological Sciences Seminar Series, University of Nebraska-Lincoln, Lincoln, NE [September 2021] |
| 2021 | Entomology Seminar Series, Department of Entomology, University of Wisconsin-Madison, WI [February 2021] |

- 2020 VI Latin American Congress of Arachnology, virtual symposium: *Evolutionary Developmental Biology (Evo-Devo) in Arachnida* [December 2020]
- 2020 I Meeting of the Society for Systematics, Biogeography, and Evolution, virtual symposium: *Diversity and phenotypic evolution* [July 2020]
- 2019 Department of Genetics retreat, University of Wisconsin-Madison, WI [September 2019]
- 2019 Biology Seminar Series, University of Alabama, Tuscaloosa, AL [August 2019]
- 2019 3rd Pan-American Society of Evolutionary Developmental Biology meeting, University of Miami, FL (plenary speaker) [August 2019]
- 2019 Biology Seminar Series, Lawrence University, Appleton, WI [May 2019]
- 2019 21st International Congress of Arachnology, Christchurch, New Zealand (keynote address) [February 2019]
- 2017 EEOB Department Seminar, Ohio State University, Columbus, OH [September 2017]
- 2017 Biology Seminar Series, Western Australian Museum, Perth, Australia [August 2017]
- 2017 Biology Seminar Series, Department of Ecology, Evolution and Behavior, Hebrew University of Jerusalem, Israel [June 2017]
- 2017 Annual Meeting of the Society of Integrative and Comparative Biology, New Orleans, LA, symposium participant (“The Evolution of Arthropod Body Plans”) [January 2017]
- 2016 Genetics Seminar Series, Department of Genetics, University of Wisconsin-Madison, WI [December 2016]
- 2016 qBio Seminar Series, Systems Biology Cluster, University of Wisconsin-Madison, WI [November 2016]
- 2016 Wisconsin Ecology 20th Annual Fall Symposium, University of Wisconsin-Madison, WI [October 2016]
- 2016 Evolution Seminar Series, J.F. Crow Institute, University of Wisconsin-Madison, WI [April 2016]
- 2016 Entomology Seminar Series, Department of Entomology, University of Wisconsin-Madison, WI [April 2016]
- 2015 Biology Colloquium, University of Wisconsin-Madison, WI [November 2015]
- 2015 Fourth Tuesday scientists group, Madison, WI [September 2015]
- 2015 OEB 141: Biogeography, Harvard University [March 2015]
- 2015 Bioinformatics and Genomics Departmental Seminar Series, University of North Carolina-Charlotte [February 6, 2015]
- 2014 MCZ Lunch Seminar Series, Harvard University [November 2014]
- 2014 Biology Seminar Series, George Washington University [October 2014]
- 2014 4th Congreso Latinoamericano de Aracnología, Morelia, México (keynote address, given in Spanish) [July 21, 2014]
- 2014 University of Santo Tomas, Manila, Philippines [May 2014]
- 2014 Biology Colloquium, University of Wisconsin-Madison, WI [March 2014]
- 2014 AMNH Comparative Biology Seminar, New York, NY [February 2014]
- 2013 Gilder Graduate School, American Museum of Natural History, New York, NY [December 2013]
- 2013 9th Annual University of Michigan Early Career Scientists Symposium, Ann Arbor, MI [March 2013]
- 2013 First International SpiderWeb meeting for the annotation of the *Parasteatoda* genome, Oxford Brookes University, UK [February, 2013]
- 2012 Biology Colloquium, University of Massachusetts at Lowell, MA [October 2012]
- 2012 AMNH Comparative Biology Seminar, New York, NY [October 2012]
- 2012 OEB 141: Biogeography, Harvard University [February 2012]
- 2011 3rd Latin-American Congress of Arachnology, Armenia, Colombia [December 2011]

- 2010 Marine Lab, University of Guam [September 2010]
 2010 Palawan State University, Puerto Princesa, Philippines [August 2010]
 2010 OEB 141: Biogeography, Harvard University [February 2010]
 2010 VI Meeting of the Southern Connection Congress, Argentina [February 2010]

CONFERENCE PRESENTATIONS

- 2024 8th Congreso Latinoamericano de Aracnología, Bogotá, Colombia (one talk)
 2024 Annual Meeting of the Society of Integrative and Comparative Biology, Seattle, Washington (one talk)
 2023 Annual Meeting of the Society of Integrative and Comparative Biology, Austin, Texas (one talk)
 2022 Annual Meeting of the Society of Integrative and Comparative Biology, Phoenix, Arizona (one talk)
 2021 Annual Meeting of the American Arachnological Society, virtual (one talk)
 2020 Annual Meeting of the Society of Integrative and Comparative Biology, Austin, Texas (one talk)
 2019 21st International Congress of Arachnology, Christchurch, New Zealand (keynote address, one contributed talk, one poster)
 2018 Annual Meeting of the Society of Integrative and Comparative Biology, San Francisco, California (one talk)
 2016 20th International Congress of Arachnology, Golden, CO, USA (one talk)
 2016 Annual Meeting of the Society of Integrative and Comparative Biology, Portland, Oregon (one talk)
 2015 Annual Meeting of the Society of Integrative and Comparative Biology, West Palm Beach, Florida (one talk)
 2014 4th Congreso Latinoamericano de Aracnología, Morelia, México (one talk)
 2013 World Congress of Malacology 2013, Ponta Delgada, Azores, Portugal (one talk)
 2013 19th International Congress of Arachnology, Kenting, Taiwan (three talks)
 2013 Annual Meeting of the Society of Integrative and Comparative Biology, San Francisco, California (one talk)
 2012 Annual Meeting of the American Arachnological Society, Green Bay, Wisconsin (one talk)
 2012 Annual Meeting of the Society of Integrative and Comparative Biology, Charleston, South Carolina (one talk, one poster)
 2011 3rd Latin-American Congress of Arachnology, Armenia, Colombia (three talks)
 2010 18th International Congress of Arachnology, Siedlce, Poland (two talks)
 2010 XXIX Meeting of the Willi Hennig Society, Honolulu, Hawaii (two talks)
 2008 XXVII Meeting of the Willi Hennig Society, Tucumán, Argentina (one talk)
 2007 17th International Congress of Arachnology, São Pedro, Brazil (one talk)

MENTORSHIP AND ADVISING

POSTDOCTORAL FELLOWS

- 2025-present Erika L. Garcia
 2022-2024 Siddharth S. Kulkarni (currently: Ramanujan Fellow and Group Leader, India)
 2020-2022 Caitlin M. Baker (currently: IT consultant, Performance Architects)
 2017-2022 Luciano Palmieri Rocha (currently: staff scientist, Free University of Bozen-Bolzano)
 2017-2021 Jesus A. Ballesteros Chávez (currently: Assistant Professor, Kean University)

2016-2018 Carlos Eduardo Santibañez-López (currently: Assistant Professor, Western Connecticut State University)

GRADUATE STUDENTS

2026-present Sophie M. Neu (Integrative Biology Ph.D. program, UW-Madison)
2022-present Benjamin C. Klementz (Integrative Biology Ph.D. program, UW-Madison)
2022-2025 Kaitlyn M. Abshire, M.A. (Integrative Biology Masters program, UW-Madison)
2020-2025 Joseph Sardina, Jr., Ph.D. (Genetics Ph.D. program, UW-Madison)
2018-2023 Emily V.W. Setton, Ph.D. (Integrative Biology Ph.D. program, UW-Madison)
2017-2023 Guilherme Gainett, Ph.D. (Integrative Biology Ph.D. program, UW-Madison)
2016-2021 Andrew Z. Ontano, Ph.D. (Integrative Biology Ph.D. program, UW-Madison)
2016-2017 Holly Cho, M.A. (Cellular and Molecular Biology training program, Masters student, UW-Madison)

GRADUATE COMMITTEES

2024-present Joseph Walton, Jr. (Botany Ph.D. program, Cameron laboratory, UW-Madison)
2024-present Jinhui Wang (iBio Ph.D. program, Lee laboratory, UW-Madison)
2023-present Zach Farrand (iBio Ph.D. program, Schoville laboratory, UW-Madison)
2023-present Patricia Zito (iBio Ph.D. program, Lee laboratory, UW-Madison)
2020-2025 Joseph Sardina, Jr. (Genetics Ph.D. program, Currie/Sharma laboratories, UW-Madison)
2020-present Roberto Carrera Martínez (Zoology Ph.D. program, Schoville laboratory, UW-Madison)
2020-2023 Jacob Fredette-Roman (iBio Ph.D. program, Lee laboratory, UW-Madison)
2020-2022 Charlotte R. Kanzler (Cell and Molecular Biology Ph.D. program, Sheets laboratory, UW-Madison)
2019-present Aaron Kufner (Geosciences Ph.D program, Peters laboratory, UW-Madison)
2017-present Nancy Lo Man Hung (Biology Ph.D. program, Departamento de Genética e Biologia Evolutiva, Universidade de São Paulo)
2017-2023 José Cruz-Arzon (iBio Masters program, Blair laboratory, UW-Madison)
2017-2022 Umair Khan (Cell and Molecular Biology Ph.D. program, Newmark laboratory, UW-Madison)
2017-2022 W. Grant Morton (Botany Ph.D. program, Cameron laboratory, UW-Madison)
2017-2022 Yi-Ming Weng (Entomology Ph.D. program, Schoville laboratory, UW-Madison)
2016-2020 Stefan Kaluziak, Ph.D. (Biology Ph.D. program, Vollmer laboratory, Northeastern University)

UNDERGRADUATE AND POST-BACCALAUREATE STUDENTS

2025 Kevin Rufus Prem Anand (undergraduate, UW-Madison)
2025-present Madeline Koebrick (undergraduate, UW-Madison)
2025 Madison Lipman (undergraduate, UW-Madison)
2025-present Pranil Panda (undergraduate, UW-Madison)
2024-present Nithya Atla (undergraduate, UW-Madison)
2023-2024 Faye Nichols (undergraduate, UW-Madison)
2023-present Ethan Laumer (undergraduate/post-baccalaureate, UW-Madison)
2023-2024 Charlotte Wood (undergraduate, UW-Madison)
2023-present Sophie Neu (undergraduate/post-baccalaureate, UW-Madison)
2021-2022 Grace Hareid (undergraduate, UW-Madison)
2021 Andrew Rukavina (undergraduate, UW-Madison)

2021-2022	Pola Błaszczyk (undergraduate, UW-Madison)
2021-2022	Benjamin Klementz (undergraduate, UW-Madison)
2021	Alison Gregorian (undergraduate, UW-Madison)
2021-present	Hugh Steiner (undergraduate, UW-Madison)
2020-2021	James Guskov (undergraduate, UW-Madison)
2019	Maanasa Devabhaktuni (undergraduate, UW-Madison)
2019-2020	Simon Rosenblum (undergraduate, UW-Madison)
2019-2020	Kevin Corbett (undergraduate, UW-Madison)
2019-2020	Leonardo Barolo Gargiulo (undergraduate, UW-Madison)
2019-present	Jakob Zehms (undergraduate, UW-Madison)
2019	John MacGregor Zern (undergraduate, UW-Madison)
2018-2019	Mahad Siad (undergraduate, UW-Madison)
2018	Josephine Hall (undergraduate, UW-Madison)
2018	Paula Thuo (undergraduate, UW-Madison)
2017-2018	Keyton Friske (undergraduate, UW-Madison)
2017-2018	Audrey Crawford (undergraduate, UW-Madison)
2017	Calvin So (undergraduate, UW-Madison)
2017-2019	Rachel Smaby (undergraduate, UW-Madison)
2016-2018	Logan March (undergraduate, UW-Madison)
2016-2018	Stephanie Schmidt (undergraduate, UW-Madison)
2016-2017	Erik Nolan (undergraduate thesis writer, Biology major, UW-Madison)
2016-2017	Jill T. Oberski (post-baccalaureate, Macalester College)
2016	A. Kenji Shoemaker (post-baccalaureate, Macalester College)
2016	Alejandra Torres Diaz (undergraduate, UW-Madison)
2016	Savana M. Lipps (undergraduate, UW-Madison)
2015-2018	Emily V.W. Setton (undergraduate, UW-Madison)
2014-2015	Marc A. Santiago (post-baccalaureate, Susquehanna University)
2013	Kevaughn Gordon (undergraduate, City University of New York)
2012	Guillermo Gainett (undergraduate, Universidade de São Paulo)
2010-2012	Alexander Kim (undergraduate, Harvard University)

INTRODUCTORY BIOLOGY RESEARCH MENTORING

2023	Raferty Todd (undergraduate, UW-Madison)
2020	Yaseen Najeeb (undergraduate, UW-Madison)
2019	Simon Rosenblum (undergraduate, UW-Madison)
2019	Kevin F. Corbett (undergraduate, UW-Madison)
2019	John MacGregor Zern (undergraduate, UW-Madison)
2018	Josephine Hall (undergraduate, UW-Madison)
2017	Rachel Smaby (Biology 152 independent research program, UW-Madison)
2016	Logan March (Biology 152 independent research program, UW-Madison)
2016	Stephanie Schmidt (Biology 152 independent research program, UW-Madison)
2016	Alejandra Torres-Diaz (Biology 152 independent research program, UW-Madison)

OUTREACH

2025	Guest lecturer for BioHouse Learning Community, an on-campus residential network for biology majors.
2025	Guest presentation on spider biology for Preschool of the Arts, Madison, WI.
2025	Guest instructor for the AP Summer Institute for high school AP Biology teachers. Activities: BLAST lab and sequence data in the classroom.
2023	UW-Madison High School Science Expo, Madison East High School.

- 2023 Guest lecturer for BioHouse Learning Community, an on-campus residential network for biology majors.
- 2023 Guest instructor for the AP Summer Institute for high school AP Biology teachers. Activities: BLAST lab and sequence data in the classroom.
- 2023 Guest lecturer for Office of College Admissions, Celebration of Admitted Multicultural Students events (two).
- 2022 Guest lecturer for BioHouse Learning Community, an on-campus residential network for biology majors.
- 2022 Guest lecturer for Office of College Admissions, Celebration of Admitted Multicultural Students events (two).
- 2022 Guest instructor for the AP Summer Institute for high school AP Biology teachers. Activities: BLAST lab and sequence data in the classroom.
- 2021 Guest lecturer for Aracnología Curso de Extensão, Red de Aracnología Emergente Latina, a network for communication and mentoring of Latinx arachnologists
- 2021 Guest lecturer for BioHouse Learning Community, an on-campus residential network for biology majors.
- 2021 Guest instructor for the AP Summer Institute for high school AP Biology teachers. Activities: BLAST lab and sequence data in the classroom.
- 2020 Guest lecturer for BioHouse Learning Community, an on-campus residential network for biology majors.
- 2020 Annual Darwin Day event, UW-Madison. Activities: Arthropods booth.
- 2019 Panelist, “Grad School 101”, BioScience Summer Research Program.
- 2019 Lab visit to CentroHispano (6th-8th grade science students), Madison, WI. Activities: Live arthropod show-and tell.
- 2019 Annual Darwin Day event, UW-Madison. Activities: Arthropods booth.
- 2019 Host to visit from AP Biology class of Reedsburg High School, Wisconsin.
- 2018 Annual Darwin Day event, UW-Madison. Activities: Arthropods booth.
- 2017 Host to visit from Freshman Interest Group (taught by David Baum, Department of Botany). Activities: A day in the life of an arthropod evo-devo lab.
- 2017 Annual Darwin Day event, UW-Madison. Activities: Arthropods booth.
- 2016 Student sponsor for the Pre-college Enrichment Opportunity Program for Learning Excellence (PEOPLE). Student: Danielle Differt.
- 2010 Lecture/tour on arthropods and phylogenetics to Harvard Museum of Natural History Volunteers program.

FIELDWORK

- 2025 South Carolina (USA)
- 2024 South Florida (USA)
- 2024 South Carolina (USA)
- 2023 Austin, Texas (USA)
- 2022 Sde Boker and cave sites in central Israel (Israel)
- 2021 National grasslands range, Colorado (USA)
- 2020 Austin, Texas (USA)
- 2019 Arthur Pass, South Island (New Zealand)
- 2018 Golan Heights, Sde Boker (Israel)
- 2018 National grasslands range, Colorado (USA)
- 2017 Stirling Range, Walpole, and Pemberton (Australia)
- 2017 Golan Heights, Sde Boker (Israel)
- 2016 Channel Islands, California (USA)
- 2015 Queensland (Australia)
- 2014 Queensland (Australia)

2014	Panay and Luzon (Philippines)
2014	Khammouane (Laos)
2013	Kenting (Taiwan)
2011	Northern Territory and Queensland (Australia)
2010	Koror and Babeldaob (Palau)
2010	Chuuk, Pohnpei, and Yap (Federated States of Micronesia)
2010	Palawan and Luzon (Philippines)
2010	Florida, Georgia, and South Carolina (USA)
2008	Efate and Erromango (Vanuatu)
2008	Viti Levu, Vanua Levu, and Taveuni (Fiji)
2007	Le Grande Terre and Île des Pins (New Caledonia)
2004	Southern Sri Lanka

PROFESSIONAL SERVICE

EDITORIAL SERVICE

Associate Editor, *Molecular Phylogenetics and Evolution* (2022-present)
 Associate Editor, *Invertebrate Systematics* (2015-present)
 Associate Editor, *Cladistics* (2015-2017)

PANEL AND GRANT PROPOSAL REVIEW SERVICE

Ad hoc reviewer, National Science Foundation, 2014-present (1-3 proposals per year)
 Ad hoc reviewer, Icelandic Research Fund (Iceland), November 2025
 Ad hoc reviewer, National Science Centre (Poland), October 2025
 Ad hoc reviewer, Dutch Research Council (Netherlands), December 2021
 Ad hoc reviewer, Biotechnology and Biological Sciences Research Council (UK), November 2021
 Ad hoc reviewer, Deutsche Forschungsgemeinschaft (Germany), October 2021, February 2025
 UW-Madison College of Agriculture and Life Sciences Hatch program, November 2019
 National Science Foundation Integrative and Organismal Systems (Evolution of Developmental Mechanisms panel), March 2017
 National Science Foundation Doctoral Dissertation Improvement Grant (Systematics and Biodiversity Science Cluster), December 2014

DEPARTMENTAL SERVICE

Member, Space Allocation Committee (2025-present)
 Chair, Subcommittee for Faculty Structure and Governance (2023-2024)
 Member, Steering Committee for iBio/Botany Departmental Reorganization (2021-present)
 Member, Biology Colloquium Committee (2025-present)
 Member, Undergraduate Student Awards and Fellowships Committee (2025)
 Faculty Director, Zoological Museum (2022-present)
 Ad hoc faculty search committee member, evolutionary biologist faculty search (2019-2020)
 Faculty search committee member, limnologist faculty search, Center for Limnology (2018-2019)
 Member, iBio Graduate Executive Committee (2017-2023)
 Integrative Biology/Zoology Graduate Program assessment reporting (Student Learning Assessment Reports, College of Letters & Science), Ph.D and Masters programs (2017-2023)

CAMPUS SERVICE

Member, Committee for Student Evaluation of Teaching Policy (2025-present)
Member, 5-year Performance Review Committee for Dean Eric Wilcots (2025)
Member, Hildale Undergraduate Award Evaluation Committee (2025)
Chair, Academic Program Review of Botany undergraduate programs (2023)
Introductory Biology (151/152/153) Executive Committee (2020-present)
Evolution Coordinating Committee (elected), Crow Institute for the Study of Evolution (2020-present)

SERVICE TO ACADEMIC SOCIETIES

Interim Secretary, Division of Evolutionary Developmental Biology (DEDB), Society of Integrative and Comparative Biology, January 2026 to January 2027
Chair, Division of Evolutionary Developmental Biology (DEDB), Society of Integrative and Comparative Biology, January 2024 to January 2026
Annual Meeting of the Society of Integrative and Comparative Biology, January 2024, Seattle, WA (judge, DEDB Best Student Presentation competition)
Chair-Elect, Division of Evolutionary Developmental Biology (DEDB), Society of Integrative and Comparative Biology, January 2023 to January 2024
Annual Meeting of the American Arachnological Society, June 2021, virtual (session chair)
Annual Meeting of the Society of Integrative and Comparative Biology, January 2021, virtual (judge, student poster presentations)
Annual Meeting of the Society of Integrative and Comparative Biology, January 2020, Austin, TX (session chair; judge, student oral and poster presentations)
3rd Pan-American Society of Evolutionary Developmental Biology conference, August 2019, University of Miami, Miami, FL (judge, student poster presentations)
Education and Professional Training Officer, Pan-American Society of Evolutionary Developmental Biology, August 2019-August 2021
Secretary, Division of Evolutionary Developmental Biology (DEDB), Society of Integrative and Comparative Biology, January 2019-January 2021
Secretary-Elect, Division of Evolutionary Developmental Biology (DEDB), Society of Integrative and Comparative Biology, January 2018 to January 2019
Annual Meeting of the Society of Integrative and Comparative Biology, January 2017, New Orleans, LA (session chair; judge, student poster presentations)
Annual Meeting of the Society of Integrative and Comparative Biology, January 2016, Portland, OR (session chair)
Annual Meeting of the Society of Integrative and Comparative Biology, January 2015, West Palm Beach, FL (session chair; judge, student oral presentations)
Annual Meeting of the Society of Integrative and Comparative Biology, January 2013, San Francisco, CA (session chair; judge, student oral presentations)
International Congress of Arachnology, June 2013, Kenting, Taiwan (session chair; symposium organizer)
World Congress of Malacology 2013, July 2013, Ponta Delgada, Azores, Portugal (judge, student poster presentations)
American Arachnological Society, June 2012, Green Bay, WI (judge, student oral presentations)

ORGANIZING COMMITTEES

Society of Systematic Biology standalone meeting, organizing committee member, planning mid-2027, Madison, WI, United States
21st International Congress of Arachnology, symposium organizer, "Growth, morphogenesis, and developmental genetics", 10-15 February 2019, Christchurch, New Zealand

20th International Congress of Arachnology, symposium organizer, “Scorpion biology in the 21st century”, 2-9 July 2016, Golden, CO
19th International Congress of Arachnology, symposium organizer, “The biology of harvestmen”, 23-28 June 2013, Kenting National Park, Taiwan
2nd International Congress on Invertebrate Morphology, 20-23 June 2011, Harvard University

PROFESSIONAL DEVELOPMENT

Workshop: “Education and teaching in evolutionary developmental biology”. 1 August 2019, 3rd Pan-American Society for Evolutionary Developmental Biology conference, University of Miami.
Workshop: “How to become a more productive author”. 8 May 2015, Richard Gilder Graduate School, American Museum of Natural History (with Sara Ruane)

SOCIETY MEMBERSHIPS

American Arachnological Society
International Society for Arachnology (lifetime)
Pan-American Society for Evolutionary Developmental Biology
Society of Integrative and Comparative Biology