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**PROFESSIONAL POSITIONS**

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2019 – present      Visiting Professor, National University of Córdoba, Argentina  
2015 – present      Professor, School of Biological Sciences, University of Nebraska  
2010 – present      Courtesy Faculty, Department of Entomology, University of Nebraska  
2010 – 2015          Associate Professor, School of Biological Sciences, University of Nebraska  
2012 – 2013          Visiting Academic Scholar, Macquarie University, NSW, Australia  
2008 – 2010          Harold and Esther Edgerton Junior Faculty, UNL  
2005-2010          Assistant Professor, School of Biological Sciences, University of Nebraska  
2004-2005          Assistant Professor, Department of Environmental Science Policy and  
Management, Division of Insect Biology, University of California Berkeley  
2004-2005          Curator Essig Museum, University of California Berkeley  
2004-2005          Member of the Helen Wills Neuroscience Institute, University of California,  
Berkeley  
2002-2003          NIH Post-Doctoral Research Fellow, Department of Neurobiology and  
Behavior, Cornell University (June 2002-November 2003)

**ACADEMIC DEGREES**

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Ph.D. Ecology and Evolutionary Biology, University of Arizona (May 2002)  
M.S. Ecology and Evolutionary Biology, University of Arizona (December 1998)  
M.S. Biology, University of Cincinnati (August 1996)  
B.A. With Honors, Cum Laude, Biology, Albion College (May 1994)

**PROFESSIONAL TRAINING**

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Science Communication Training: Portal to the Public, SciComm Conference, UNL Campus, March 2018  
Science Communication Training: Designing a Vivid Message, Alda Center Instructor, UNL Campus, Nov. 2017  
Communications Boot Camp for Scientists, *American Institute of Biological Sciences*, UNL Campus, June 2017  
Naturalist Outreach Science Outreach Workshop – (NSF funded) Cornell University, fall 2015  
Communications Workshop – *Becoming EPSCoR Champions* (NSF-funded) May, 2013

**PEER REVIEWED PUBLICATIONS (present to past; \*indicates undergraduate authors)**

- As of 1 March, 2019 according to Google Scholar: h-index = 33; i10-index = 68

***In Review/Revision***

Wiegmann, D.D., P. Castro, **E.A. Hebets**, and V. P. Bingman. *In revision*. Distortion of the local magnetic field neither disrupts nocturnal navigation nor cues shelter recognition in the amblypygid *Paraphrynus laevifrons*. *Ethology*.

(<sup>¥</sup> indicates co-first authorship)

**2019**

113. Choi, N., M. Bern, D.O. Elias, R.H. McGinley, M.F. Rosenthal, and **E.A. Hebets**. *In press*. A mismatch between signal transmission efficacy and mating success calls into question the function of complex signals *Animal Behavior*
112. Watts, J.C., B. Tenhumberg, **E.A. Hebets**. *Accepted*. A mismatch between geographic variation in traits and female mate choice suggests that sexual selection may constrain evolutionary divergence. *Evolution*
111. Casto, P. J. Gosser, D. D. Wiegmann, **E.A. Hebets**, and V. P. Bingman. *In Press*. Conspecific chemical cues support refuge fidelity in the whip spider *Phrynus marginemaculatus*. *Journal of Arachnology*.
110. Chelini, M.C., J.P. DeLong, and **E.A. Hebets**. *In Press*. Ecophysiological determinants of sexual size dimorphism: integrating growth trajectories, environmental conditions and metabolic rates. *Oecologia*
109. Gilman, T., K. Fowler-Finn, and **E. A. Hebets**. 2019. Demonstrating mate choice copying in spiders requires further research. *Current Zoology Letter to Editor*.
108. Rosenthal, M.F., **E.A. Hebets**, B. Kessler, R. McGinley, and D. O. Elias. *In press*. The effects of microhabitat specialization on mating communication in a wolf spider. *Behavioral Ecology*.
107. Wiegmann, D.D., C.H. Moore, N.R. Flesher, E.D. Szentkiralyi, K.R. Keto, **E.A. Hebets**, V.P. Bingman. *In press*. Nocturnal navigation by whip spiders: antenniform legs mediate olfactory localization of a shelter. *Animal Behaviour*
106. **Hebets, E.A.** and **L. Sullivan-Beckers**. 2019. Mate Choice and Learning In: Choe, J.C. (Ed.) *Encyclopedia of Animal Behavior 2nd Edition* Vol.3 p306 – 313, Elsevier Academic Press (invited submission)
105. **Hebets, E.A.** and Rowan H. McGinley. 2019. Multimodal Signaling. In: Choe, J.C. (Ed.) *Encyclopedia of Animal Behavior 2nd Edition* Vol. 1 p487 – 499, Elsevier, Academic Press (invited submission)

**2018 (n=9)**

104. **Hebets, E.A.** and Anderson, A. 2018. Using cross-disciplinary knowledge to facilitate advancements in animal communication and science communication research. *Journal of Experimental Biology* 221.
103. Stafstrom, J. and **E.A. Hebets**. 2018. Mate attraction to female airborne cues by the net-casting spider, *Deinopis spinosa*. *Behavioral Processes* 159: 23 – 30.
102. Patricelli, G.L., **E.A. Hebets**, and T. C. Mendelson (**all shared first authors**). *In press*. BOOK REVIEW of Prum, R.O. 2018. *The Evolution of Beauty: How Darwin's Forgotten Theory of Mate Choice Shapes the Animal World – and Us* (2017; Doubleday, 428 pages, ISBN: 9780385537216) *Evolution* 73-1: 115 – 124.
101. Wonch Hill, T. J. McQuillen, **E. A. Hebets**, A. N. Spiegel, and J. Diamond. 2018. Informal science experiences among urban and rural youth: Exploring differences at the intersections of socioeconomic status and gender. *Journal of STEM Outreach* December V1: 1 - 12.
100. **Hebets, E.A.** 2018. A Scientist's Guide to Impactful Science Communication: *A Priori* Goals, Collaborative Assessment, and Engagement with Youth. *Bioessays* 40, 1800084.
99. Anderson, A. and **E. A. Hebets**. 2018. Female nursery web spiders (*Pisaurina mira*) benefit from consuming their mate. *Ethology* 24: 475-482. (cover photo)
98. **Hebets, E.A.**, M. Welch-Lazoriz, P. Tisdale, and T.W. Hill. 2018. Eight-Legged Encounters – Arachnids, volunteers, and art help bridge the gap between informal and formal science learning. *Insects* 9, 27. (invited contribution to special issue on Arthropod Education)
97. Rosenthal, M.R., M.R. Wilkins, D. Shizuka, and **E.A. Hebets**. 2018. Dynamic changes in display architecture and function across signaling environment revealed by a systems approach to animal communication. *Evolution* 72-5: 1134 – 1145.

96. Gilman, T., K. Fowler-Finn, and **E. A. Hebets**. 2018. A probable case of incipient speciation in *Schizocosa* wolf spiders driven by allochrony, habitat use and female mate choice. *American Naturalist* 192: 332 – 346.
95. Anderson, A., **E. A. Hebets**, B.M. Bickner, and J.C. Watts. 2018. Males mate with multiple females to increase offspring numbers in a nursery web spider. *Behavioral Ecology* 29: 918 – 924.

**2017 (n = 9)**

94. Mammola, S., P. Michalik, **E.A. Hebets**, and M. Isaia. 2017. Record breaking achievements by spiders and the scientists who study them. *PeerJ* 5:e3972
93. Chelini, M. and **E.A. Hebets**. 2017. Field evidence challenges the relationship between early male maturation and female-biased sexual size dimorphism. *Journal of Animal Ecology* 7: 9592 - 9601.
92. Kralj-Fišer, A., **E.A. Hebets**, and M. Kuntner. 2017. Different patterns of behavioral variation across and within species of spiders with different degrees of urbanization. *Behavioral Ecology* 71: 125.
91. Hoke, K.L., **E.A. Hebets**, and D. Shizuka. 2017. Neural circuitry for target selection and action selection in animal behavior. *Integrative and Comparative Biology* 57: 808-819.
90. Anderson, A. and **E. A. Hebets**. 2017. Increased sperm number leads to increased sperm transfer and fertilization success in a nursery web spider *Animal Behavior* 132: 121 - 127.
89. Graving, G, Bingman, V. P., **Hebets, E.A.**, and Wiegmann, D.D. 2017. Development of site fidelity in the nocturnal amblypygid, *Phrynus marginemaculatus*. *Journal of Comparative Physiology A* 203: 313-328.
88. Stafstrom, J., P. Michalik, and **E.A. Hebets**. 2017. Sensory system plasticity in a nocturnal predator. *Scientific Reports* 7:46627.
87. Corey, T.B. and **Hebets, E.A.** 2017. Habitat use in the amblypygid *Paraphrynus laevifrons*. *Journal of Arachnology* 45: 223 - 230.
86. Bingman, V.P, Graving, J.M., **Hebets, E.A.**, and Weigmann, D.D. 2017. Importance of the antenniform legs, but not vision, for homing by the neotropical whip spider, *Paraphrynus laevifrons*. *Journal of Experimental Biology* 220: 885 – 890.

**2016 (n = 10)**

85. Patricelli, G.L. and **Hebets, E.A.** 2016. New dimensions in animal communication: The case for complexity. *Current Opinion in Behavioral Sciences* 12: 80 – 89 (invited manuscript)
84. Schwartz, S.K, W. E. Wagner, and **E. A. Hebets**. 2016. Males can benefit from sexual cannibalism facilitated by self-sacrifice. *Current Biology* 26: 2794 – 2799.
83. Costa, T., **Hebets, E.A.**, Melo, D., and Willemart, R. 2016. Costly learning: preference for familiar food persists despite negative impact on survival. *Biology Letters* 12 (7).
82. Chelini, M. and **E.A. Hebets**. 2016. Polyandry in the absence of fitness benefits in a species with female-biased sexual size dimorphism. *Animal Behavior* 119: 213 - 222.
81. Stafstrom, J. and **E.A. Hebets**. 2016. Nocturnal foraging enhanced by extreme sensory structures in a net-casting spider. *Biology Letters*. 12 (5): 1-4 (Cover Photo)
80. Wiegmann, D.D., **E.A. Hebets**, W. Gronenberg, J.A. Graving, and V. P. Bingman. 2016. Amblypygids: Model organisms for the study of arthropod navigation mechanisms in complex environments? *Frontiers Behavioral Neuroscience* 10: 1-8.
79. **Hebets, E.A.**<sup>‡</sup>, Barron, A.B.\*<sup>‡</sup>, Balakrishnan, C.N., Hauber, K.L., Mason, P.H., and M.E., Hoke. 2016. A systems approach to animal signaling. *Proceedings of the Royal Society B* 283 (1826)
78. Anderson, A. and **E.A. Hebets**. 2016. Benefits of sexual dimorphism and copulatory silk wrapping in the sexually cannibalistic nursery web spider, *Pisaurina mira*. *Biology Letters* 12 (2)

77. Chapin, K.J. and **E.A. Hebets**. 2016. Invited review: Behavioral ecology of amblypygids. *Journal of Arachnology*. 44: 1-14 (cover photo)
76. Chelini, Marie-Claire and **E.A. Hebets**. 2016. Absence of mate choice and postcopulatory benefits in a species with extreme sexual size dimorphism. *Ethology* 122: 95 – 104.

**2015 (n = 6)**

75. Fowler-Finn, K.D., L. Sullivan-Beckers, A.M. Runck, and **E.A. Hebets**. 2015. The complexities of female mate choice and male polymorphisms: Elucidating the role of genetics, age, and mate-choice copying. *Current Zoology* 61: 1015 – 1035 (cover photo; invited paper).
74. Barron, AB\*, **E.A. Hebets\***, T.A. Cleland, C.L. Fitzpatrick, M.E. Hauber, and J.Stevens. 2015. *FORUM*: Embracing multiple definitions of learning. *Trends in Neuroscience* 38:405-407. (\* shared first author)
73. Lin, T.A., Zhang, S., Liao, C.P., **Hebets, E.A.** and Tso, I.M. 2015. A dual function of white colouration in a nocturnal arthropod. *Animal Behaviour* 108: 25 - 32
72. Rosenthal, M.F. and **E. A. Hebets**. 2015. Temporal patterns of nutrition-dependence in male traits and their varying impacts on mating success. *Animal Behaviour* 103: 75 – 82.
71. **Hebets, E.A.**, M. Hansen\*, T.C. Jones, and D. J. Wilgers. 2015. Octopamine levels predict male mating tactic expression in the wolf spider *Rabidosa punctulata*. *Animal Behaviour* 100: 136 – 142.
70. Wilgers, D. J. and **E. A. Hebets**. 2015. Functional Approach to Condition. (invited author) In *Animal Signalling: A functional Approach*. Ed. D. J. Irschick, M. Briffa, and J. Podos. Ralph Wiley Press.

**2014 (n = 6)**

69. **Hebets, E. A.**, Aceves-Aparicio, A., Aguilar-Argüello, S., Bingman, V.P., Escalante, I., Gering, E. J., Nelsen, D.R., Rivera, J., Sánchez-Ruiz\*, J. A., Segura-Hernández\*, L., Settepani, V., Wiegmann, D. D., Stafstrom, J. 2014. Multimodal sensory reliance in the nocturnal homing of the amblypygid *Phrynus pseudoparvulus* (Class Arachnida, Order Amblypygi)? *Behavioural Processes* 108: 123 – 130.
68. Herberstein, M, A. E. Wignall, E. A. Hebets, J.M. Schneider. 2014. Dangerous mating systems: signal complexity, signal content and neural capacity in spiders. *Neuroscience and Biobehavioral Reviews*. 46: 509 – 518 (cover photo).
67. Deng, B, A. Estes\*, B. Grieb\*, D. Richard\*, B. Hinds, **E. A. Hebets**. 2014. A male spider's ornamentation polymorphism maintained by opposing selection with two niches. *Journal of Theoretical Biology* 357: 301 – 111.
- 66. Hebets, E.A.**, Gering, E.J., Bingman, V., Weigmann, D. 2014. Nocturnal homing in the tropical amblypygid *Phrynus pseudoparvulus* (Class Arachnida, Order Amblypygi). *Animal Cognition* 17: 1013 – 1018.
65. Schwartz, S. K., W.E. Wagner Jr., **E.A. Hebets**. 2014. Obligate male death and sexual cannibalism in dark fishing spiders. *Animal Behaviour* 93, 151 – 156.
64. Sullivan-Beckers, L. and **E. A. Hebets**. 2014. Tactical adjustment of signaling leads to increased mating success and survival. *Animal Behavior* 93: 111 – 117.

**2013 (n = 10)**

63. Wilgers, D.J., D. Wickwire\*, **E. A. Hebets**. 2013. Detection of predatory eavesdroppers alters mating tactic expression in male wolf spiders. *Behaviour*. 151: 573 – 590.
62. Stubbendieck, R. M.\*, A. J. Zera, **E. A. Hebets**. 2013. No evidence for a role of ecdysteroids in the reproductive behavior of *Schizocosa* wolf spiders. *Journal of Arachnology*. 41: 349 – 355.

61. Rodriguez, R. L., J. W. Boughman, D. A. Gray, **E. A. Hebets**, G. Hobel, and L. B. Symes. 2013. Divergence in mating displays predicted by the amount of divergence in mating preferences, not by the strength of mate preferences. *Ecology Letters* 16: 964 – 974.
60. Higham, J.P. and **E. A. Hebets**. 2013. An introduction to multimodal communication. *Behavioral Ecology and Sociobiology* (editorial for Special Issue on Multimodal Communication) 67: 1381 – 1388. 59.
59. Schwartz, S. K., W. E. Wagner Jr., **E. A. Hebets**. 2013. Spontaneous male death and monogyny in the dark fishing spider. *Biology Letters* 9: 1-4.
58. Fowler-Finn, K. D., M. F. Rosenthal, **E. A. Hebets**. 2013. Locomotor performance varies with adult phenotype in ornamented/non-ornamented wolf spiders. *Ethology* 119: 570 – 580.
57. Stafstrom, J.A. and **E. A. Hebets**. 2013. Female mate choice for multimodal courtship and the importance of the signaling background for selection on male ornamentation. *Current Zoology* 59: 200 – 2010 (invited author; cover photo).
56. Pesek, M. F. \*, K. D. Fowler-Finn, L. Sullivan-Beckers, **E. A. Hebets**. 2013. Foreleg ornaments do not hinder foraging efficiency. *Journal of Insect Behavior*. 26: 837 – 849. 55.
55. Herberstein, M.E. and **E.A. Hebets**. 2013. Why are spiders good models for behavioural research. In: *Spider Research in the 21<sup>st</sup> Century* (Ed by D. Penney). Siri Scientific Press, Manchester.
- 54. Hebets, E. A., C. Vink, L. Sullivan-Beckers, and M. F. Rosenthal**. 2013. The dominance of seismic signaling and the evolution of signal complexity in the multimodal courtship displays of *Schizocosa* wolf spiders. *Behavioral Ecology and Sociobiology* (invited contribution) 67: 1483 – 1498.

**2012 (n = 5)**

53. Wilgers, D. J. and **E. A. Hebets**. 2012. Seismic signaling is crucial for female mate choice in a multimodal signaling wolf spider. *Ethology* 118: 387 – 397.
52. Wilgers, D. J. and **E. A. Hebets**. 2012. Age related female mating decisions are condition dependent in wolf spiders. *Behavioral Ecology and Sociobiology* 66: 29 – 38.
51. Willemart, R. H. and **E. A. Hebets**. 2012. Sexual differences in the behavior of harvestman *Leioboeunum vittatum* (Opiliones, Sclerosomatidae) towards conspecific cues. *Journal of Insect Behaviour* 25: 12 – 23.
50. Safran, R., S. Flaxman, M. Kopp, D. E. Irwin, D. Briggs, M. R. Evans, W. C. Funk, D. A. Gray, **E. A. Hebets**, N. Seddon, E. Scordato, L. B. Symes, J. A. Tobias, D. P. L. Toews, A. C. Uy. 2012. A robust new metric of phenotypic distance to estimate and compare multiple trait differences among populations. *Current Zoology* 58: 426 – 439 (Invited Contribution)
49. Rosenthal, M. F. and **E. A. Hebets**. 2012. Resource heterogeneity interacts with courtship rate to influence mating success in the wolf spider *S. floridana*. *Animal Behaviour* 84: 1341 – 1346.

**2011 (n = 11)**

48. Fowler-Finn, K. D. and **E. A. Hebets**. 2011. The degree of response to increased predation risk corresponds to male secondary sexual traits. *Behavioral Ecology* 22: 268 – 275.
47. Fowler-Finn, K. D. and **Hebets, E. A.** 2011. More ornamented males exhibit increased predation risk and antipredator escapes, but not greater mortality. *Ethology* 117: 102 – 114.
- 46. Hebets, E.A., J. A. Stafstrom, R. L. Rodriguez, and D. J. Wilgers**. 2011. Enigmatic ornamentation relieves male reliance on courtship performance for mating success. *Animal Behaviour* 81: 963 – 972.
- 45. Hebets, E. A.** 2011 Current status and future directions of research in complex signaling. *Current Zoology* 57: I-V. (editorial for Special Issue on Complex Signaling)
44. Rundus, A. S., L. Sullivan-Beckers, D. Wilgers, and **E. A. Hebets**. 2011. Females are choosy in the dark: context-dependent reliance on courtship components and its impact on fitness. *Evolution* 65: 268-282.

43. Santer, R. D. and **E. A. Hebets**. 2011a. Evidence for air movement signals in the agonistic behaviour of a nocturnal arachnid (Order Amblypygi). *PLoS ONE* 6: 1-6.
42. Santer, R. D. and **E. A. Hebets**. 2011b. The sensory and behavioural biology of whip spiders (Arachnida, Amblypygi). In Jerome Cases, editor: *Advances in Insect Physiology* 41: 1 – 64.
41. Sullivan-Beckers, L. and **E. A. Hebets**. 2011. Modality-specific experience with female feedback increases the efficacy of courtship signaling in male wolf spiders. *Animal Behaviour* 82: 1051 - 105740.
40. Wilgers, D. J. and **E. A. Hebets**. 2011. Complex courtship displays facilitate male reproductive success and plasticity in signaling across variable environments. *Current Zoology* 57: 175 – 186. (Special issue, Cover Photo)
39. Willemart, R. H., R. D. Santer, A. J. Spence, and **E. A. Hebets**. 2011. A sticky situation: Solifugids (Arachnida, Solifugae) use adhesive organs on their pedipalps for prey capture. *Journal of Ethology* 29: 177 – 180.
- 38. Hebets, E. A.** and A. S. Rundus. 2011. Chemical Communication in a Multimodal Context. In: *Chemical Communication in Crustaceans*. (Ed by T. Breithaupt & M. Thiel), pp. 335 – 354. New York, New York: Springer. (Invited contribution)

**2010 (n = 4)**

37. Byers, J., **E. A. Hebets**, and J. Podos. 2010. Female mate choice based upon male motor performance. *Animal Behavior* 79: 771 – 778.
36. Rundus, A. S., R. D. Santer, and **E. A. Hebets**. 2010. Multimodal courtship efficacy of *Schizocosa retrorsa* wolf spiders: implications of an additional signal modality. *Behavioral Ecology* 21: 701 – 707.
35. Elias, D.O, Mason, A. C. and **Hebets, E. A.** 2010. A signal-substrate match in the substrate-borne component of a multimodal courtship display. *Current Zoology* 56: 370 – 378. (invited contribution)
- 34. Hebets, E.A.** and Sullivan-Beckers, L. 2010. Mate Choice and Learning. In: Breed M.D. and Moore J., (eds.) *Encyclopedia of Animal Behavior*, volume 2, pp. 389 - 393 Oxford: Academic Press. (invited author)

**2009 (n = 5)**

33. Santer, R.D. and **Hebets, E.A.** 2009. Prey capture by the whip spider *Phrynus marginemaculatus*. *Journal of Arachnology* 37: 109 – 112.
32. Santer, R. D. and **E. A. Hebets**. 2009. Tactile learning of spatial landmarks in whip spiders (Arachnida, Amblypygi). *Journal of Comparative Physiology A* 195: 393 – 399.
31. Wilgers, D. J., A. C. Nicholas, D. H. Reed, G. E. Stratton, and **E. A. Hebets**. 2009. Condition dependent alternative mating tactics in a sexually cannibalistic wolf spider. *Behavioral Ecology* 20: 891 – 900.
30. Shamble, P. S.\*, D. J. Wilgers, K. A. Swoboda, and **E. A. Hebets**. 2009. Courtship effort is a better predictor of mating success than ornamentation for male wolf spiders. *Behavioral Ecology* 20: 1242 – 1251.
29. Chelini, Marie-Claire\*, R. H. Willemart, and **E. A. Hebets**. 2009. Costs and benefits of freezing behaviour in the harvestman *Eumesosoma roeweri* (Arachnida, Opiliones). *Behavioural Processes* 82: 153 – 159.

**2008 (n = 4)**

- 28. Hebets, E.A.,** Elias, D.O., Mason, A.C., Miller, G.L., and Stratton, G.E. 2008. Substrate-dependent signaling success in the wolf spider *Schizocosa retrorsa*. *Animal Behaviour* 75: 605 – 615. 27.

27. Santer, R. D. and **Hebets, E.A.** 2008. An agonistic signal received by an arthropod filiform hair alludes to the prevalence of near-field sound communication. *Proceedings of the Royal Society B* 275: 363 – 368 (Highlighted Article Online)
26. **Hebets, E.A.**, Wesson, J.\* and Shamble, P.\* 2008. Diet influences mate choice selectivity in adult female wolf spiders. *Animal Behaviour* 76: 355 – 363.
25. **Hebets, E. A.** 2008. Seismic signal dominance in the multimodal courtship display of the wolf spider *Schizocosa stridulans* Stratton 1991. *Behavioral Ecology* 19: 1258 – 1266.

**2007 (n = 4)**

24. **Hebets, E.A.** 2007. Early experience does not influence heterospecific recognition in the wolf spider *Schizocosa uetzi*. *Journal of Arachnology* 35: 1 – 10.
23. Framenau, V. W., **E. A. Hebets**. 2007. A review of leg ornamentation in male wolf spiders, with the description of a new species from Australia, *Artoria schizocoides* (Araneae, Lycosidae). *Journal of Arachnology* 35: 89 – 101.
22. VanderSal, N. D. & **Hebets, E. A.** 2007. Cross-modal effects on learning: A seismic stimulus improves color discrimination in a jumping spider. *Journal of Experimental Biology* 210: 3689-3695.
21. **Hebets, E.A.** and Vink, C. 2007. Experience leads to preference: Experienced females prefer brush-legged males in a population of syntopic wolf spiders. *Behavioral Ecology* 18: 1010-1020.

**2006 (n = 6)**

20. Elias, D.O., Lee, N., **Hebets, E. A.**, and Mason, A. C. 2006. Seismic signal production in wolf spiders: Parallel versus serial multicomponent signals. *Journal of Experimental Biology* 209: 1079-1084. (Cover Photo)
19. Fowler-Finn, K. D.\* & **E. A. Hebets**. 2006. An examination of agonistic interactions in the whip spider *Phrynus marginemaculatus* (Arachnida, Amblypyi) *Journal of Arachnology* 34: 62-76.
18. Elias, D. O., **Hebets, E. A.**, and Hoy, R. R. 2006. Female preference for signal complexity. *Behavioral Ecology*. 17: 765-771.
17. **Hebets, E.A.**, Cuasay, K.\* , and Rivlin, P.K. 2006. The role of visual ornamentation in female choice of a multimodal male courtship display. *Ethology* 112: 1062 – 1070.
16. Spence, A. J. & **E. A. Hebets**. 2006. Anatomy and physiology of giant fibers in the antenniform leg of the amblypygid *Phrynus marginemaculatus*. *Journal of Arachnology* 34: 545 – 556.
15. Elias, D.O., **Hebets, E. A.**, Hoy, R. R., Maddison, W. P., and Mason, A. C. 2006. Regional song differences in sky-island populations of the jumping spider *Habronattus pugillis* Griswold. *Journal of Arachnology* 34: 566-577.

**2005 (n = 5) (arrival at UNL)**

14. **Hebets, E. A.** 2005. Attention-altering interactions among signals in multimodal wolf spider courtship displays. *Behavioral Ecology* 16: 75-82.
13. **Hebets, E. A.** and D. R. Papaj. 2005. Complex signal function: Developing a framework of testable hypotheses. *Behavioral Ecology and Sociobiology* 57: 197-214.
12. Elias, D. O., **E. A. Hebets**, A. C. Mason, and R. R. Hoy. 2005. Seismic signals are crucial for male mating success in a visual specialist jumping spider (Araneae: Salticidae). *Animal Behaviour* 69: 931-938.
11. **Hebets, E.A.** & W.P. Maddison. 2005. Xenophilic mating preferences among populations of the jumping spider *Habronattus pugillis* Griswold. *Behavioral Ecology* 16: 981-988.

10. **Hebets, E. A.** 2003. Subadult experience influences adult mate choice in an arthropod: Exposed female wolf spiders prefer males of a familiar phenotype. *Proceedings of the National Academy of Science* 100: 13390-13395.

**Prior to 2005 (n = 9)**

9. **Hebets, E. A.** 2002. Relating the unique sensory system of amblypygids to the ecology and behavior of *Phrynus parvulus* from Costa Rica (Arachnida, Amblypygi). *Canadian Journal of Zoology* 80: 286-295.
8. Foelix, R. F. and **E. A. Hebets**. 2001. Sensory biology of whip spiders (Arachnida, Amblypygi). *Andrias* 15: 129-140.
7. **Hebets, E. A.** & R.F. Chapman. 2000. Surviving the flood: Plastron respiration in the non-tracheate arthropod *Phrynus marginemaculatus* (Amblypygi; Arachnida). *Journal of Insect Physiology* 46: 13-19.
6. **Hebets, E. A.** and G. W. Uetz. 2000. Leg ornamentation and the efficacy of courtship display in four species of wolf spider (Araneae: Lycosidae). *Behavioral Ecology and Sociobiology*. 47 (4): 280-286.
5. **Hebets, E. A.** and R.F. Chapman. 2000. An electrophysiological study of olfaction in the whip spider *Phrynus parvulus* (Arachnida, Amblypygi). *Journal of Insect Physiology* 46(11): 1441-1448.
4. **Hebets, E. A.** and G. W. Uetz. 1999. Female responses to isolated signals from multi-modal male courtship displays in the wolf spider genus *Schizocosa* (Araneae: Lycosidae). *Animal Behavior* 57: 865-872.
3. Miller, G. L., G. E. Stratton, P.R. Miller, and **E. A. Hebets\***. 1998. Geographic variation in male courtship behaviour and sexual isolation in wolf spiders of the genus *Schizocosa*. *Animal Behavior* 56: 937-951.
2. **Hebets, E. A.\***, G.E. Stratton, and G.L. Miller. 1996. Habitat and courtship behavior of the wolf spider *Schizocosa retrorsa* (Banks) (Araneae; Lycosidae). *Journal of Arachnology* 24: 141 - 147.
1. Stratton, G., **E. A. Hebets\***, P. R. Miller, and G. L. Miller. 1996. Pattern and duration of copulation in wolf spiders (Araneae, Lycosidae). *Journal of Arachnology* 24: 186 - 200.

**PEER REVIEWED PUBLICATION AWARDS/HONORS**

‘Highly Cited’ Papers in *Essential Science Indicators* which lists the top cited papers over the past 10 years in each of 22 scientific fields.

- **Hebets** and Papaj, 2005
- Byers, **Hebets**, and Podos, 2010
- **Hebets** et al., 2016

(**Hebets** & Papaj, 2005) was the highest cited paper in *Behavioral Ecology and Sociobiology* for the year 2012.

(Byers, **Hebets**, and Podos, 2010) was the top most cited article in the journal *Animal Behaviour* since 2010 (in Jan. 2015)

**OUTREACH PRODUCTS AND DELIVERABLES**

*Eight-Legged Encounters* materials – available online (<http://hebetslab.unl.edu/eight-legged-encounters/>)

*Path of Predators* activity booklet (<http://hebetslab.unl.edu/eight-legged-encounters/path-of-predators/>)

Assemble an Arachnid mobile device application: <http://eightlegs.herokuapp.com/>

Video Production Overview of *Eight-Legged Encounters*:

<https://www.youtube.com/watch?v=UquUdbXpNb8&feature=youtu.be>

Trading Cards for *Eight-Legged Encounters*: <https://www.youtube.com/watch?v=d5juWtRIK5I>



## BOOK REVIEWS

Hebets, E. A. 2003. Whip Spiders (Chelicerata: Amblypygi): Their Biology, Morphology and Systematics. *Quarterly Review of Biology* 78: 485.

## INVITED AUTHOR

Hebets, E. A. 2005. Biology: A Special Report. In 2005 Science Year: The World Book Annual Science Supplement. World Book, Inc. Chicago, pp 60-75.

## GRANTS

### *Present – 2005* (\* indicates active grants)

NSF ROA Supplement to IOS 1556153 (Comparative Systems Approach to Complex Signaling) (PI) 2019-2020 (\$57,502)

\*Nebraska Department of Education - Two Year Opportunity Grant: *Vertically Integrated Science Learning Opportunity*. (PI) 2017 - 2019 (30K)

\*NSF IOS - Collaborative Research – Navigation and the Neural Integration of Multimodal Sensory Information in the Brain of an Arthropod (PI) 2015 – 2019 (IOS – 1638825; ~13K; DEB – 1456817; 295K)

\*NSF IOS – Collaborative Research: A Comparative Systems Biology Approach to Complex Signaling (PI) 2016 – 2020 (IOS 1556153; 842.5K)

UNL Revision Award - NSF AISL Grant. *Vertically Integrated Rural WEBS: Widespread Engagement using the Biology of Spiders* 2017 - 2018 (29K)

Nebraska Department of Education – One-Year Opportunity Grant. PIs Lincoln CLC/Lincoln Community Foundation (community partner) 2016 – 2017 (\$47,552) [the grant is to extend my *Communicating Science through Outreach* course such that the middle school students receiving after-school clubs from my UNL students will then run after-school clubs with their partner Elementary Schools]

National Geographic Explorer’s Club– Buttress Bound: vertebrate-like navigation by the nocturnally active, neotropical whip spider, *Phrynus pseudoparvulus*. May 2014 – May 2015. (18K) (Co-PI)

UNL New Directions Grant– Creating Science Inspired Communities Eight Steps at a Time. June 2014 - 2015 (13K) (PI)

UNL Seed Grant– Collaboration with NET to develop a mobile application for *Eight-Legged Encounters* (12K) (PI) (2014 – 2015)

NSF CRPA - Informal Education with Arachnids 2012 – 2014 (DRL – 1241482; 150K) (PI)

NSF CAREER Grant 2007 - 2013 (IOS – 1037901; 680K) (PI)

NSF REU summer 2010 (6K) (PI)

UNL Interdisciplinary seed grant 2009 (5K) (Co-PI)

NSF REU summer 2009 (6K) (PI)

NSF Dissertation Improvement Grant (Kasey Fowler-Finn) 2008 (~11K) (PI)

Searle Scholars Program Fellowship 2005-2008 (240K) (PI)

Nebraska EPSCoR First Award Grant 2006 (40K) (PI)

### *Prior to 2005* (all sole PI)

Junior Faculty Research Grant, Committee on Research, University of CA Berkeley 2004-2005

Center for Insect Science Graduate Student Grant, spring 2000

RTG Grant, Department of Ecology and Evolutionary Biology, University of Arizona, 1999

Animal Behavior Society Student Grant, summer 1999

RTG Grant, Department of Ecology and Evolutionary Biology, University of Arizona, fall 1999

International Society for Chemical Ecology Student Travel Grant, fall 1999

RTG Grant, Department of Ecology and Evolutionary Biology, University of Arizona, 1998

Organization for Tropical Studies (OTS) Post Course Award, summer 1998  
Organization for Tropical Studies (OTS) Pilot Award, summer 1998  
American Arachnological Society Grant, summer 1998  
RTG Grant, Department of Ecology and Evolutionary Biology, University of Arizona, 1997  
Sigma Xi, 1995  
American Arachnological Society, 1995  
Sigma Xi, 1994

## HONORS & AWARDS

Chosen as the Nebraska Lecturer in the Chancellors Distinguished Lecture Series (fall 2018)  
NU IDEA Award winner (Innovation, Development, and Engagement Award); University-wide, cross campus award, 2017  
Nominated for UNL's "Outstanding Contribution to Women" Award, 2017  
T.O. Haas outstanding faculty award for outreach, UNL 2014  
Nominated for 'Professor of the Year' 2014 award (nominated by Office of Research, UNL)  
Sigma Xi Outstanding Young Scientist for 2011, UNL Chapter of Sigma Xi  
Outstanding Postdoc Mentor Award, UNL 2011  
"Educator of the Month", Kappa Delta sorority @ UNL, March 2010  
Certificate of Recognition for Contribution to Students from the Parents Association and the Teaching Council of the University of Nebraska, Lincoln January 2009  
Outstanding New Investigator Award, Animal Behavior Society 2008  
First chosen "Academic Star" – College of Arts & Sciences, UNL August 2008  
Harold and Esther Edgerton Assistant Professor (2008-2009 and 2009-2010) UNL  
T.O. Haas outstanding faculty award, UNL 2007

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(Prior to UNL)

NIH Training Grant Post-Doctoral Fellow, Department of Neurobiology and Behavior, Cornell University, summer 2002-fall 2003  
RTG Fellowship, Department of Ecology and Evolutionary Biology, University of Arizona, fall 2001- spring 2002  
Dean's Fellowship, Graduate College, University of Arizona. declined fall 2000-spring 2001  
RTG Fellowship, Department of Ecology and Evolutionary Biology, University of Arizona, fall 2000  
Second place in Student Poster Competition: American Arachnological Society Meetings, summer 2000  
Howshaw Award recipient, Dept. of Ecology & Evolutionary Biology, University of Arizona, fall 2000  
Organization for Tropical Studies (OTS) Graduate Student Fellowship, summer 1999  
Student Travel Award Recipient, International Society for Chemical Ecology Meetings, Marseille, France November 1999  
Invited resource person on OTS 99-3 Tropical Ecology course  
First place in Student paper competition, XIVth International Arachnological Congress, summer 1998  
Graduate Fellowship, U. of Arizona, Dept. of Ecology and Evolutionary Biology, spring 1997  
Weimann-Wendell Fellowship, U. of Cincinnati, Dept. of Biology, 1995  
Outstanding senior biology major, Albion College, 1994  
Chickering Award, Albion College, 1994  
Edmund & Kathleen Jenkins Research Award, Albion College, 1994  
Webster Scholarship, Albion College  
Beta Beta Beta  
Alpha Lambda Delt

Omicron Delta Kappa  
 Honors program, Albion College

**CROSS-DISCIPLINARY COLLABORATIONS**

I collaborated with composer Garrett Hope (former UNL graduate student) and Susan Levine (Associate Professor and Head of Dance Program at UNL) in creating *Schizocosa*, a musical/dance performance. Garrett Hope composed the music and Susan Levine choreographed the ~8 minute long piece inspired by my spider research. Research videos including the songs and dances of spiders were provided to the two artists and Garrett created the musical score with spider sounds while the choreography is based upon research videos provided by my laboratory.

*Schizocosa* has been performed multiple times at UNL in addition to:

- Fine Arts Day for Prairie Hill Learning Center (Dec. 2014)
- Eight-Legged Encounters event at the Denver Museum of Nature and Science (Sept., 2014)
- The Kansas Dance Festival at Wichita State University (Nov., 2010)

**PRESS COVERAGE**

*Major/ High Profile Research-Related Coverage*

The Scientist Article – 2019 (22 April) – interviewed for new research on the coin spider and quoted in article.

New Scientist Article – 2017 on amblypygids highlighting much of my research.

<https://www.the-scientist.com/?articles.view/articleNo/50947/title/Meet-the-Arachnid-That-May-Add-a-New-Chapter-to-the-Book-on-Sensory-Biology/>

<b>Publication/Interview</b>	<b>Year</b>	<b>Highlighted Research</b>
Psychology Today	2019	Wiegmann et al., 2019
Discover Magazine	2017	Bingman et al., 2016
Phys.org	2017	Stafstrom et al., 2017
UPI	2017	Stafstrom et al., 2017
Live Science	2016	Schwartz, Wagner, & Hebets 2016
The Economist	2016	Schwartz, Wagner, & Hebets 2016
PNAS	2016	Schwartz, Wagner, & Hebets 2016
CBS News	2016	Stafstrom & Hebets 2016
Fox News	2016	Stafstrom & Hebets 2016
Discovery News	2016	Stafstrom & Hebets 2016
Live Science	2016	Stafstrom & Hebets 2016
Daily Mail	2016	Stafstrom & Hebets 2016
Science Daily	2016	Stafstrom & Hebets 2016
Live Science	2016	Anderson & Hebets 2016
National Geographic	2016	Anderson & Hebets 2016
New York Times	2016	Anderson & Hebets 2016
IFLScience	2016	Anderson & Hebets 2016
Popular Science	2016	Anderson & Hebets 2016
Discovery News	2016	Anderson & Hebets 2016
Science News	2013	Schwartz, Wagner & Hebets 2013
New York Times	2013	Schwartz, Wagner & Hebets 2013
National Geographic	2013	Schwartz, Wagner & Hebets 2013
WIRED Science	2013	Schwartz, Wagner & Hebets 2013

io9	2013	Schwartz, Wagner & Hebets 2013
ScienceNOW	2013	Schwartz, Wagner & Hebets 2013
LiveScience	2013	Schwartz, Wagner & Hebets 2013
DiscoverMagazine.com	2011	Santer & Hebets 2011
Outside JEB	2008	Santer & Hebets 2008
National Wildlife Magazine	2004	Hebets, 2003
Discover Magazine	2004	Hebets, 2003
Zoogoer	2004	Hebets, 2003
NPR Interview	2003	Hebets, 2003
CBC Radio Quirks & Quarks	2003	Hebets, 2003
New York Times	2003	Hebets, 2003
Science News	2003	Hebets, 2003
The Economist	2003	Hebets, 2003
New Scientist	1999	

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***Minor/Low Profile Research-Related Coverage (italics are internet or radio coverage)***

USA Today	S. Florida Sun-Sentinel	Raleigh-Durham Herald	Reuters
Phil. Inquirer	Ventura County Star	Naples Daily News	Atlanta Constitution
San DiegoTribune	Houston Chronicle	The News Tribune	Boston Globe
India Times	<i>BBC Online</i>	<i>CNN</i>	<i>ABC News</i>
<i>Findlaw</i>	<i>Lycos News</i>	<i>AT&amp;T Worldnet Service</i>	<i>Excite News</i>
<i>Yahoo</i>	<i>UK &amp; Ireland News</i>	<i>Netscape Netcenter</i>	<i>Scientific American</i>
<i>MSNBC News</i>	<i>Newsday</i>	<i>CBC News</i>	<i>Silicon Valley.com</i>
<i>LA Times.com</i>	<i>New York Times</i>	<i>WTOP-AM</i>	<i>KTAR-AM</i>
<i>WBT-AM</i>	<i>UNL News</i>		

***Miscellaneous Media Coverage***

Lincoln Journal Star (2007)	Omaha Herald (2010; 2016)
Lenoir City News Harold (2008)	Inside Science Service (2011)
Scarlett, UNL publications (2008)	New Scientist (2012)
Daily Nebraskan (2016)	Gonzaga Bulletin (2016)
	Daily Nebraskan (2018)

***Public Engagement /Community Outreach Coverage***

Channel 8 News (2013)	Scarlet (2013)
Channel 10/11 News (2013)	KFRX Radio (2014)
NewsNetNebraska (2013)	

***Television Coverage***

Canadian Discovery Channel 5 min. segment in Beetlemania (1998)  
 Sciencentral – distributor for television stations (2003); WCJB, WLOX, WCJB (2003)

**PROFESSIONAL SERVICE**

**Invited Journal Reviews**

Acta Ethologica	Ethology Ecology and Evolution	J of Insect Behavior
American Naturalist	BMC Evolutionary Biology	J of Insect Physiology

Animal Behaviour	Bulletin of Entomological Research	J of the NY Entomological Society
Animal Biology	Canadian Journal of Zoology	Journal of Tropical Ecology
Animal Cognition	Current Biology	Naturwissenschaften
Behavioral Ecology	Ethology	PLOS One
Behav Ecol & Sociobio	Evolution	Neurosci & Biobehav Reviews
Behavioural Processes	Folia Primatologica	Proc of the Royal Society of London B
Bio Assays	Functional Ecology	Psyche
Bio J of the Linnean Society	Hormones & Behavior	Science
Biology Letters	J of Arachnology	
	J of Comparative Physiology	

**Panelist for Research Proposals, Departmental Reviews, & International Fellowships**

- NSF Panelist AISL (spring 2019 – invited but declined due to sabbatical)
- NSF Panelist: IOS Animal Behavior (spring, 2017)
- NSF Panelist: STEM+C (spring, 2016)
- National Science Centre, Poland grant review (winter 2016)
- NSF Panelist: Division of Research on Learning in Formal and Informal Settings (DRL) – Advancing Informal STEM Learning (AISL) (winter, 2016)
- Reviewer for Rutherford Discovery Fellowship Application – New Zealand Funding Agency
- Reviewer for Dutch Research Council Fellowship Application (2014)
- UNL EPSCoR First Award panelist (fall, 2014)
- NSF Panelist: Division of Research on Learning in Formal and Informal Setting (DRL) – Advancing Informal STEM Learning (AISL) (spring, 2014)
- University of Wisconsin Internal Grant Review (2010 – 2013)
- Reviewer for Animal Behavior Society Student Research Grants (spring 2012)
- External review panelist for University of Arizona’s EEB Department (April 2010)
- NSF Dissertation Improvement Grant Panel for Behavioral Systems Cluster (spring 2009)
- NSF IOS Proposal Review Panel for Behavioral Systems Cluster (spring 2008)

**External MS and PhD Reviews**

- Melbourne University, Australia (PhD)
- University of Vienna, Austria (PhD)
- Macquarie University, Australia (PhD)
- Universidade Federal Do Paraná, Brasil (MS)

**Reviewer for Promotion Cases**

- Reviewer for promotion and tenure case (Shawn Wilder, Oklahoma State University, 2018)
- Reviewer for permanent position (Hannah Wood, American Museum of Natural History, 2018)
- Reviewer for promotion and tenure case (William Piel, Yale-NUS College, 2018)
- Reviewer for promotion and tenure case (Vince Formica, Swarthmore College, 2017)
- Reviewer for promotion and tenure case (Ximena Bernal, Purdue University, 2017)
- Reviewer for promotion case (Noa Pinter-Wollman, University of California, Los Angeles, 2017)
- Reviewer for promotion and tenure case (Christine Miller, University of Florida, 2016)
- Reviewer for tenure case (Jonathan Pruitt, University of Pittsburg, 2015)
- Reviewer for Senior Research Associate renewal (Linda Rayor, Cornell University, 2015)
- Reviewer for 4<sup>th</sup> year tenure review (Annie Leonard, University of Nevada, Reno, 2015)
- Reviewer for Teaching Professor (Sarah Bush, University of Missouri, 2015)
- Reviewer for full professor case (Matthew Persons, Susquehanna University, 2009)
- Reviewer for full professor case (Melissa Hughes, College of Charleston)

Outside Reviewer for Renewable Term Associate Professor, Department of Zoology, University of Oklahoma, fall 2011

### Professional Consulting

Interviewed by reporter from *Inside Science* for story on research in *Ethology* on microbes and spider mating behavior (August 2019)

Interviewed by reporter from *The Scientist* for story on research in *Functional Ecology* on Australasian coin spiders & quoted in article (April 2019)

Interviewed by reporter from New Scientist for story on amblypygids (Oct. 2017)

Interviewed by 10/11 News, Lincoln for a local story on spiders (summer 2017)

Interviewed by Newsweek Magazine for story on cave spiders in Proceedings of the Royal Society B – *Spiders in Caves* (April 2017)

Interviewed by Newsweek Magazine for story on cryptic spider in Journal of Arachnology – *Leaf masquerade in an orb web spider* (Dec 2016)

Interviewed for Boston Globe article, *Male spiders want to mate, but don't want to die* by Kevin Hartnett (June 2016)

Interviewed for Smithsonian Magazine regarding Biology Letters paper – *Copulation with immature females increases male fitness in cannibalistic widow spiders* (fall 2016).

Consulted for New Scientist news story (winter, 2015)

<http://www.newscientist.com/article/dn26873-zoologger-judo-spider-finds-armoured-foes-achilles-heel.html#.VMpgmWisVRq>

Consulted for National Geographic 'Weird but True' science writer for inclusion of our amblypygid navigation research in the next version of the book (2014; book in production highlights amblypygid research)

Consulted for and quoted in LiveScience online story (fall, 2014)

<http://www.livescience.com/48164-creepy-animals-you-shouldnt-fear.html>

Consulted for National Geographic documentary on the most unusual and unique animal body parts (March 2013)

Interviewed for Inside Science News Service for input on Johnson et al. Animal Behaviour paper (August 2011)

Consultant for Wired.com article (June 2010)

Consultant for Discovery TV series "The World Without Spiders" (Jan. 2010)

Consultant for Science News article (2009)

Consulted for BBC production (fall 2009)

Interviewed for "Ask a Biologist" podcast (Arizona State University)

<http://www.learnoutloud.com/Catalog/Science/Biology/Ask-a-Biologist/23834>

Interviewed for ScienceNow (<http://sciencenow.sciencemag.org>) regarding article in Current Biology (April 2008)

Consultant for ScienceNow (2008)

Consultant for Science World Magazine (Scholastic) (2007)

Interviewed for TIME magazine article (2007)

Consultant for Science News article (2006)

Interviewed for National Geographic News article (2006)

Consultant for "Outside Magazine" Wild File (2005)

Consultant for Science News article (2005)

Consultant for the movie "Spiderman" (2002)

### Professional Society Service

Second-president Elect for Animal Behavior Society (2019-2020)

Reviewer for Allee Competition for Animal Behavior Society (reviewed manuscripts, 2019)

Director of American Arachnological Society (2016 – 2018)

Reviewer for American Arachnological Society Student Travel Grants (2018)  
 Committee member for the Herbert Levi Memorial Fund for Arachnological Research (HLMFAR) (fall 2015 – present)  
 Parliamentarian for the Animal Behaviour Society (fall 2012 – 2016)  
 Symposium organizer for International Ethological Conference 2015 – ‘*Multimodal Signaling – Is it Special?*’  
 Marketing Chair for American Arachnological Society (2008 – 2009)  
 Travel Grant Committee for the American Arachnological Society (2007)  
 Abstract Reviewer for International Society for Behavioral Ecology (2008)

**Working Group Participation**

NESCent Working Group “Toward a unified evolutionary theory of decision-making in animals” (spring 2013 – fall 2014)  
 Howard Hughes Medical Institute Janelia Farms “Neurobiology and Evolution of Arthropod Acoustic Communication” (May 2012)  
 NESCent Working Group “An Integrative Evolutionary Approach to Examine Sexual Selection as a Mechanism of Speciation” (Oct. 2009 - 2011)

**Editorial Duties**

<i>Journal</i>	<i>Years</i>	<i>Position</i>
<i>Ethology</i>	2014 – 2018	Editor
<i>Behavioral Ecology &amp; Sociobiology</i>	2012 – 2013	Co-Guest Editor Special Issue – Multimodal Signaling
<i>Animal Behaviour</i>	2010 – 2013	Editor
<i>Current Zoology</i>	2011	Guest Editor for Special Issue – Complex Signaling
<i>Behavioral Ecology</i>	2009 – 2014	Editorial Board
<i>Southeastern Naturalist</i>	2009 – 2010	One-Time Guest Editor

**Other**

Invited to serve on the Faculty of 1000 Behavioral Ecology Section (declined, summer 2018)

**UNIVERSITY SERVICE (2006 – present)**

***Departmental (School of Biological Science)***

SBS Promotion and Tenure Committee (2018 – present)  
 Mission 4 Writing Taskforce (spring 2018)  
 Mission and Vision Statement Taskforce (2016 – 2017)  
 SBS Graduate Student Committee (2016 – 2018)  
 SBS Promotion and Tenure Committee (fall 2015 – 2017)  
 Biology Graduate Student Association Faculty Advisor (2006 – present)  
 SBS Executive Committee (fall 2014 – fall 2015)  
 Task Force to Assess Merit Review (Spring – Fall 2014)  
 Graduate Student Representative for EEB (spring 2014)  
 SBS Executive Committee Member (fall 2011 – 2013)  
 Graduate student representative for Integrative Evolutionary Biology GREG (fall 2010 – 2013)  
 Task Force Leader to assess GREG structure (Fall 2012)  
 SBS Special Funds Committee (Fall 2011 – 2012)  
 Search Committee for External Director of SBS (spring 2010)  
 Ecology, Evolution and Behavior Seminar Coordinator (2006 – 2009)  
 Search Committee Member – Complex Phenotypes Search (2008; hired Jennifer Brisson)

GAAN Review Committee (2006 – 2008)

IEEA Review Committee (2006 – 2007)

***University-Wide (University of Nebraska, Lincoln)***

Co-Chair for the Search Committee for the UNL Executive Vice Chancellor (chosen by Chancellor; fall 2019)

University Academic Planning Committee (elected office; 2019 – 2022)

Steering Committee for UNL's chapter of American Women in Science (2017 - present)

Commission of N/150 *Student Experience* committee (2018 - 2019)

Commission of N/150 Steering Committee Member (UNL re-visioning taskforce) (2018 - 2019)

Review Committee for UNL's IDEA Award Nominations (Innovations in Development and Engagement Award) (2017 - 2019)

Faculty Council Chair for CCSW (2015 – 2017)

Chancellors Commission on the Status of Women (CCSW) (fall 2013 – 2017)

College of Arts and Sciences Executive Committee (elected office; 2015 – 2017)

Research Advisory Board (fall 2013 – 2017)

Entomology Search Committee – Pollinator Health (spring 2015)

Southeast Regional Science Fair Advisory Board (summer 2013 – spring 2014)

Museum Advisory Committee (fall 2013 – present)

CB3 Executive Committee (summer 2013 invited)

Virology Search Committee (fall 2013)

Organized “Electrophysiology Workshop” @ UNL (Jan. 2010)

Member of Life Sciences Advisory Council (fall 2010 – present)

Panel member for women in academia for WUMN (Oct. 2009)

**CONFERENCE ORGANIZATION**

*SciComm - A Conference on Effective Science Communication*

2018 Conference Co-Chair

2016 Member of the organizing committee

2015 Member of the organizing committee

**SERVICE PRIOR TO 2006**

Founder and leader of Graduate Student Discussion, University of Arizona 1999-2002

Student Representative on Graduate Policy Committee, University of Arizona, 1999

Biology Graduate Student Association Vice President, University of Cincinnati, 1995 – 1996

**INFORMAL SCIENCE EDUCATION**

***Science Festival Organization***

*Spring 2019* - I organized a hands-on science festival at the Natural History Museum in Córdoba, Argentina that was open to the public. At the event, 18 local scientists developed games and activities that allowed them to interact with the public and discuss their research and careers. The event was the culmination of a week-long Science Communication course that I taught at the National University of Córdoba. Approximately 200 people came through the museum in 3 hours.

*Spring 2017* – As part of the SciComm conference at UNL, I helped to organize a science festival at the Nebraska State Natural History Museum (Morrill Hall). Scientists from across the country brought their interactive table-top activities to the museum and engaged with the public for three hours during the conference.

***Eight-Legged Encounters & Related Activities***



I developed a family-friendly community engagement event that currently has more than 39 activities and stations designed to use arachnids for informal science education. This event was developed through NSF funding. Below, I list the venue and approximate numbers of the public reached.

Spider Senses module & Amblypygid Communication module, Michigan State University's "Bug House" open house, October 2018 (~20 participants)  
 Spider Senses module, SciComm Science Festival, UNL's Morrill Hall March 2018 (~300 participants)  
 Mini Eight-Legged Encounters, Toledo Zoo's Bugfest, Toledo, OH (>2,000 participants; August 26th, 2017)  
 Kid's Tech Speaker, Bowling Green State University, OH (brought amblypygid material and participated in hands-on science event to ~70 youth ages 9 – 11)  
 Mini Eight-Legged Encounters, USA Science and Engineering Festival, Washington DC (invited by NSF; ~30,000 participants; April 2016)  
 Eight-Legged Encounters, Denver Museum of Nature and Science, Denver, CO (~3,400 participants; Sept. 28<sup>th</sup>, 2014)  
 Eight-Legged Encounters, Morrill Hall (816 participants; March 16<sup>th</sup>, 2014)  
 Eight-Legged Encounters, Morrill Hall - achieved record attendance (847 people in just 3 hours; Feb. 21<sup>st</sup> 2013)  
 Eight-Legged Encounters, Butterfly Pavilion, Westminster, CO (500-600 participants; Sept. 22<sup>nd</sup>, 2013)

### ***Youth Summer Camps***

*Eureka Summer Camp* – 2018 – I developed activities for a Eureka Summer Camp focused on girls in STEM. My role was to provide programming for 1.5 hours/day for 4 days. The program was for 25 middle school girls recruited from titled middle schools (i.e. a very diverse group of young women).

*Animal Encounters Summer Camp* – 2018 – I again developed new modules and learning activities for a summer camp at Prairie Hill Learning Center (9am – 3pm daily). I taught groups of 3 – 6 year olds ( $n \sim 30$ ), 6 – 9 year olds ( $n \sim 30$ ), and 10 – 15 year olds ( $n = 9$ ); total  $n \sim 69$ .

*Animal Explorers Summer Camp* - 2017 - I developed new modules and learning activities for a youth summer camp (9am -3pm daily). I taught groups of 3-6 year olds ( $n=26$ ), 6-9 year olds ( $n=27$ ), and 10-15 year olds ( $n=18$ ); total  $n = 71$ . The last day of camp, the 10-15 year olds ran a 'Summer Science Festival' for the other campers in which they developed their own stations and led youth through science activities.

*Amazing Animals Summer Camp* – 2016 – I develop new modules and learning activities for another 9am – 3pm summer camp for youth. I taught groups of 3 – 6 year olds ( $n=25$ ), 6 – 9 year olds ( $n=24$ ), and 10 – 13 year olds ( $n=12$ ), 13 15 year olds ( $n=5$ ); total  $n=66$ .

*Outdoor Explorers Day Camp* – June 23<sup>rd</sup> 2016 – ran a 2 hour “spiders” club with 8-12 year olds ( $n = 16$ )

*Animal Encounters Summer Camp* – 2015, I develop additional modules and learning activities for another 9am – 3pm summer camp for youth. Due the high enrollment, I only taught 6-9 year olds ( $n = 36$ ) and 10 – 13 year olds ( $n = 12$ ); total  $n = 48$ .

*Science Day Camp* – April 24<sup>th</sup> 2015 – developed a day-long science camp for 6 – 13year olds from Prairie Hill Learning Center. 15 students participated

*Animal Encounters Summer Camp* – In the summer of 2014, I designed and implemented a *week long* summer camp (9am – 3pm daily) for youth ranging in age from 3 – 12 @ Prairie Hill Learning Center Montessori School (3 – 6 year olds = 18; 6-9 year olds = 25; 10 – 12 year olds = 10; total 53 youth)

Culler Middle School STEM Explorers Program (ran 'Path of Predators' for 120 middle school children during summer camp – 1 day; June 2014)

***Spider Walks and Informal Presentations (since 2010)***

- Skyped with a middle school class in MI for their 24hour world tour (May 23<sup>rd</sup>, 2019)
- Women in Science dinner, UNL Host (Feb. 19<sup>th</sup>, 2016)
- Exotic Animal Day @ Bookworm Bookstore, Omaha, NE (April, 2016)
- Exotic Animal Day @ Bookworm Bookstore, Omaha, NE (Aug. 23<sup>rd</sup>, 2015) – 100 attendees
- Happy HallowGreen, Lincoln Children’s Museum (Oct. 23<sup>rd</sup>, 2014)
- Presented in the 2013 Women in Science Conference – Feb. 2013
- Participated in the LPS District Science Fair (5<sup>th</sup> – 8<sup>th</sup> graders) by running 4 tables of interactive science activities (March 21<sup>st</sup>, 2013)
- Panelist for ‘Community-Campus Connector’; UNL April 24<sup>th</sup> 2013
- Colorful Creatures Day at Morrill Hall – provided a table with live animals and an art activity “Assemble an Arachnid” (May 18<sup>th</sup>, 2013)
- Upward Bound non-science lab visit (June 18<sup>th</sup>, 2013)
- Upward Bound Science lab visit and experiment coordination/facilitation (June 18<sup>th</sup>, 2013)
- Nighttime spider walk for community, Lenoir City, TN (July 16<sup>th</sup> 2013)
- Bugfest, UNL Entomology Department (~250 participants; Sept. 15<sup>th</sup> 2013)
- Happy HallowGreen, Lincoln Children’s Museum (Oct. 6<sup>th</sup>, 2013)
- Presented in 2 sessions at the Lincoln Public Schools Professional Development Day (August 13<sup>th</sup>, 2011)
- Spider walk for adult associated w/local church; Lenoir City TN (May 2010)
- Spider Laboratory for “Northeast Upward Bound” program (June 22<sup>nd</sup> 2010)
- Arachnid presentation to teenagers at a Lincoln Detention Center (2010)
- Spider tutorial and walk for students and families of Prairie Hill Learning Center (Sept. 13<sup>th</sup> 2010)
- Research presentation to Animal Behavior class at Southwest High School, Lincoln (Sept. 9<sup>th</sup>, 2010)

**PROFESSIONAL WORKSHOPS PRESENTATIONS & NETWORKING**

- 2018 AAAS Workshop: *Developing a Science Identity: Proven Strategies for Engaging Youth in Science* (competitive application; Co-Presented with Dr. Sandra Frerichs)
- 2019 Participated in Lincoln Public Schools (LPS)/UNL “Science Connector”. Specifically, engaged LPS science teachers with ELE materials to provide inspiration for classroom projects and university collaborations.

**INVITED KEYNOTE/PLENARY SPEAKER (15 total; \* indicates international; ^ represent science communication and/or outreach talks)**

- \*^2019 Argentina National Observatory (Observatorio Astronómico de Córdoba) Speaker on Science Communication, Córdoba, Argentina
- \*2019 Argentina Academy of Sciences Speaker, Córdoba, Argentina
- \*2019 Opening Plenary Speaker: *International Arachnological Congress*, Christchurch, New Zealand
- ^2019 Invited guest speaker at *Spiders Alive* offered by the Royal Botanical Gardens in Canada. (declined due to sabbatical in Argentina, but passed opportunity along to graduate student)
- 2018 Nebraska Lecture, chosen by the UNL Research Council
- ^2018 *Broader Impacts* speaker for the graduate student luncheon at the North Central Branch Entomological Society Meetings, Madison, WI.
- 2017 Keynote for International Symposium on Acoustic Communication by Animals
- 2017 Maiben Lecture - Keynote address at NE Academy of Sciences Meeting
- ^2017 *Kids Tech* speaker. Bowling Green State University
- 2017 Friends of the State Museum Annual Meeting guest speaker: “Life on Eight Legs”
- 2014 Keynote Address @ the 31<sup>st</sup> Annual Science Research Forum at McPherson College, KS (undergraduate-invited speaker)

- \*2013 Plenary Speaker @ XXXIth Annual Meeting of Ethology in Sao Paulo Brazil.
- \*2012 Plenary Speaker, European Congress of Arachnology, Ljubljana, Slovenia
- 2007 Elkin Isaac Lecturer – Albion College
- \*2004 Plenary Lecture, International Congress of Arachnology, Gent, Belgium

**INVITED SYMPOSIUM SPEAKER (17 total; \* indicates international; ^ represent science communication and/or outreach talks)**

- \*^2019 Invited Symposium Speaker: *Arachnological Outreach for Community Engagement, Conservation, and Research*, International Congress of Arachnology, Christchurch, New Zealand
- 2018 Invited Panelist and Speaker: *Evolutionary Perspectives on Death* symposium, Oakland University, MI.
- ^2018 Symposium Speaker for "*Growing entomology literacy and science understandings through innovative extension, outreach, and teaching programs*" at the North Central Branch Entomological Society Meetings, Madison, WI.
- 2018 Symposium Speaker for "*A Sensible Symposium: Exploring the sensory ecology of insects and related arthropods*" at the North Central Branch Entomological Society Meetings, Madison, WI.
- 2016 Symposium Speaker on "Multimodal Signaling" at *Behaviour* 2016; declined due to prior, overlapping commitments
- 2016 Symposium in honor of Carl Gerhardt at *Animal Behavior Society Meetings*.
- 2015 Symposium Speaker on "What are the model systems of our future?" declined due to conflicting symposium organization at same conference (*Behaviour*, 2015).
- 2014 Symposium Speaker on "Eight-Legged Educators: Exploiting the enigmatic nature of arachnids for public engagement" in symposium entitled "How Cool is Entomology?" Entomology 2014, Portland, OR.
- \*2013 Symposium speaker on "Learning and Speciation" at *Behaviour* Conference in Newcastle, UK (summer 2013)
- \*2013 Symposium Speaker on "Exploring the proximate and ultimate causes in the behavior of arachnids: learning, sensorial ecology infaticide and mating systems" @ XXXIth Annual Meeting of Ethology in Sao Paulo Brazil.
- 2012 Invited conference/workshop/think tank @ Howard Hughes Medical Institute Janelia Farms (oral presentation and panelist); "Neurobiology and Evolution of Arthropod Acoustic Communication"
- \*2012 Symposium on "Novel topics and approaches on the study of communication, reproduction, behavior and ecology of arachnids" – ATBE meeting in San Jose Costa Rica – declined due to scheduling conflicts
- \*2011 International Bioacoustics Council, La Rochelle France (invited symposium speaker, "Adaptation to the Environment")
- 2010 Presidential Symposium invited speaker for Animal Behavior Society Annual Meetings
- 2009 Center for Great Plains Study – Celebrating Darwin's Legacy Symposium, UNL
- 2002 Evolution of Communication Symposium, Animal Behavior Society Meetings, Bloomington, IN
- 2005 Fall – IEEA Symposium, University of Nebraska

**INVITED DEPARTMENTAL SEMINARS & LECTURES (2005 – present; 69 total;**

**^ represent science communication and/or outreach talks)**

- 2018 Fall – Department of Biology, Colorado State University
- 2018 Fall – Department of Biology, Washington University

- 2018 Fall – Ecology, Evolutionary Biology, and Behavior Speaker, Michigan State University
- 2018 Fall – BEACON Center for the Study of Evolution in Action Speaker, Michigan State University
- 2018 Fall – Guest lecture on research: Animal Behavior Class, UNL
- ^2018 Fall – Department of Entomology Speaker, Michigan State University (talk focused solely on outreach and science communication)
- ^2018 Fall – guest lecture on Science Communication in School of Natural Resources Course (NRES898)
- ^2017 Fall – UNL Entomology Graduate Student invited Speaker - Communicating Science to Non-Science Audiences
- 2017 Spring – guest speaker - UNL Honors Class
- 2017 Spring – Biology Department, Bowling Green State University
- 2016 Spring – Entomology Department, University of Florida
- 2016 Spring – Department of Evolution and Ecology, UC Davis
- 2016 Spring – Animal Behavior Graduate Group, UC Davis
- 2016 Spring – Ecology and Evolutionary Biology Graduate Group, Texas A&M
- 2016 Spring – Skype conversation w/Evolution Class at University of Southern California
- 2015 Spring – University of Missouri, Department of Biology
- 2015 Spring –Purdue University, Department of Biology
- 2015 Spring –Purdue University, EcoLunch talk
- 2015 Spring –PERT post-doc invited speaker at the University of Arizona
- 2015 Spring – guest lecture – Professional Development class, Math Dept. UNL
- 2015 Spring – guest lecture – UNL Honors Class on Creativity in Science and Art
- 2015 Spring – panelist for CAREER workshop at UNL
- 2015 Fall – Department of Biology, Duke University
- 2015 Fall – SciComm 2015, UNL
- 2014 Spring – Section of Integrative Biology, University of Texas, Austin
- 2014 Spring – Research Development Fellows Program talk, UNL (invited by Office of Research)
- 2014 Spring – Eureka Extension Conference, UNL
- 2014 Spring – Department of Biomedical Sciences, Creighton University
- 2013 Fall – BIOS 103, UNL guest lecture on Path to Academia
- 2013 Fall – Texas Tech Biology (last minute cancellation due to airfare complications)
- 2012 Spring – Department of Biology, Macquarie University, NSW Australia
- 2012 Spring – Guest Lecture, Animal Communication, Macquarie University, NSW Australia
- 2012 Spring – Invited Scientist at University of Queensland, Queensland Australia
- 2012 Spring – Department of Biology, University of Melbourne, Victoria Australia
- 2012 Spring – Department of Zoology, LaTrobe University, Victoria Australia
- 2011 Spring – Math-Biology Seminar Series, University of Nebraska
- 2011 Spring – Department of Biology, Salisbury University
- 2011 Fall – Department of Ecology and Evolutionary Biology, University of Colorado
- 2011 Fall – Department of Biology, Florida State
- 2011 Fall – Ecology and Evolutionary Biology Group, Florida State
- 2011 Fall – Department of Biology and Biochemistry, University of Houston
- 2010 Fall – International Society of Behavioral Ecology, Perth, Australia (competitive talk slot)
- 2010 Fall – Department of Entomology, University of Illinois
- 2010 Fall – Illinois Natural History Survey
- 2009 Spring – Department of Ecology and Evolutionary Biology, Kansas State

- 2009 Spring – Department of Biology, University of South Dakota
- 2009 Fall – Department of Biology, University of Missouri
- 2009 Fall – Department of Biology, William Jewell College, MO (declined due to time constraints)
- 2008 Spring – Department of Integrated Natural Sciences, Arizona State University West
- 2008 Spring – School of Life Sciences, Arizona State University Tempe
- 2008 Fall – Department of Ecology and Evolutionary Biology, University of Kansas
- 2008 Fall - Bug Lunch, University of Kansas
- 2008 Fall – Department of Entomology, University of Nebraska, Lincoln
- 2008 Fall – Department of Neurobiology and Behavior, Cornell University
- 2008 Fall – Department of Entomology, Cornell University, guest lecture in Spider Biology
- 2008 Fall – Department of Biology, Iowa State University
- 2007 Spring – Department of Biology, University of Nebraska Omaha
- 2007 Spring – Department of Biology, University of Maryland
- 2007 Fall – University of Wisconsin, Madison (declined due to maternity leave)
- 2007 Fall – University of Wisconsin, Milwaukee (declined due to maternity leave)
- 2007 Fall – William Jewell College, MO (declined due to maternity leave)
- 2007 Fall – Department of Ecology and Evolutionary Biology, Yale University
- 2006 Spring – Department of Entomology, University of Nebraska
- 2006 Spring - Department of Biology, LeHigh University
- 2006 Fall – Department of Biology, University of Oklahoma
- 2005 Spring – Department of Biological Sciences, Idaho State University, graduate student invited speaker
- 2005 Fall – Department of Entomology, University of Arizona, Tucson, AZ

#### **ORGANIZED SYMPOSIA**

- 2015 “Multimodal Signaling: Is it Special?” Behaviour 2015, Cairns, Australia

#### **TEACHING EXPERIENCE**

- 2019 Science Communication taught at the National University of Córdoba, Argentina.
- 2018 Communicating Science through Outreach (430/830)
- 2017 Communicating Science through Outreach (400/800 course)
- 2017 Ecology and Evolution of Arachnids (480/880)
- 2017 OTS Specialty Course – Ecology and Evolution of Arachnids; coordinator and instructor (13 students)
- 2016 LIFE 121 co-instructor
- 2016 Communicating Science through Outreach (BIOS 497/897)
- 2015 Behavioral Ecology Lab Group, UNL
- 2015 LIFE 121 co-instructor
- 2015 Arachnology, UNL (BIOS 497/897)
- 2014 OTS Specialty Course – Ecology and Evolution of Arachnids; coordinator and instructor (20 students)
- 2014 Communicating Science through Outreach (400/800)
- 2014 LIFE 121 co-instructor
- 2013 Communication Science through Outreach (400/800 course)
- 2013 Arachnology, UNL (400/800 course)
- 2012 Arachnology, UNL (400/800 course)
- 2012 Behavioral Ecology Lab Group, UNL
- 2011 Principles of Behavioral Ecology, UNL (graduate core course)

2011	Arachnology, UNL (400/800 course)
2010	Principles of Behavioral Ecology, UNL (graduate core course)
2010	Arachnology, UNL (400/800 course)
2010	Behavior Lab Group, UNL
2009	Principles of Behavioral Ecology, UNL (graduate core course)
2009	Developmental Plasticity and Evolution Seminar, UNL
2009	Introduction to Zoology (undergraduate course), UNL
2008	Principles of Behavioral Ecology, UNL (graduate core course)
2008	Introduction to Zoology (undergraduate course), UNL
2007	Behavioral Ecology (graduate course), UNL
2006	Research and Design Seminar, UNL
2006	Introduction to Zoology (undergraduate course), UNL (Since arriving at UNL)
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2005	Animal Communication Course, UC Berkeley
2004	Animal Behavior Course, UC Berkeley
2004	Graduate seminar – Dissertation Research, UC Berkeley
2004	Graduate seminar – Arachnology Discussion, UC Berkeley
2004	Graduate seminar – Research reviews in Animal Behavior, UC Berkeley

**UNDERGRADUATES MENTORED (~40; \* indicates female or minority; ^ indicates author; + indicates graduated with *Highest Distinction*)**

<b>Student Name</b>	<b>University</b>	<b>Education post BA (if known)</b>
Josie Thompson	University of Arizona	
Eben Gerring^	University of Arizona	MS from UNL; PhD from UT Austin
Heather Mallory*	University of Arizona	PhD from Georgetown University
Kasey Fowler-Finn*^	Cornell University	PhD from UNL
Katarina Cuasay*^	Cornell University	
Gabriel Alvarado*	UC Berkeley	
Jennifer Wesson*^	UC Berkeley	
Ginevra Ryman*	UC Berkeley (URAP)	
Paul Shamble^	UC Berkeley (URAP)	PhD program Cornell University
Stephanie Reed*	UC Berkeley (URAP)	
Courtney Rudd*	Louis and Clark College	
Morgan Campbell*	UNL	Medical school
Dustin Franklin	UNL (UCARE)	Medical school
Ying-ying Lim*	UNL (UCARE)	Medical school
Bronson Boosalis	UNL (UCARE)	Medical school
Mari Pesek*^	UNL (UCARE; Honors)	MS University of Kansas
Marie-Claire Chelini*^	U of Sau Paulo	MS U of Sau Paulo; PhD program UNL
Dan Wickwire^	UNL	
Brian Koch	UNL	
Reed Stubbendieck^	UNL (UCARE; INBRE; REU)	PhD program Texas A&M
Johnny Konvalina	UNL	
Matt Hansen^	UNL (UCARE; REU)	Profusionary school
Dan Hansen	UNL	
Jessica Campbell*	UNL (UCARE)	
Sara Potts*	UNL	
Rachel Bond*	Beloit College	
Caitlin Jones*	UNL	
Kate Schwenke*	UNL	

Alex Hansen <sup>+</sup>	UNL (UCARE; Honors)	Medical School
Rachael Schmidt*	UNL (UCARE; Honors)	Medical School
Andrew Lehman	UNL	
Claudia Seravalli*	Santa Clara University	
Alyssa Marian*	Nebraska Wesleyan (INBRE)	
Bailee Eagan*	University of Notre Dame	
Kelly Clay*	UNL	
Max Headless	UNL (Honors)	Graduate School
Philip Stark	UNL	
Dan Shoenberg	UNL (UCARE)	Graduate School
Bridget Bickner*	UNL (UCARE)	Graduate School
Brittany Wordkemper	UNL	
Worawat	UNL	
Yuwawatthakanon*		
Fiona Grace	UNL (UCARE)	Current
John Perez	UNL (Honors)	Medical School
Laura Gatch	UNL Entomology (Honors)	Graduate School
Nick Morgan	UNL (UCARE)	Current
Earl Agrawal	UNL (UCARE)	Current
Nicole Graham	UNL	Current

(10 undergraduates are authors on published manuscript; 5 are first-authors; 2 have manuscripts in prep)

**GRADUATE STUDENTS** (\* signifies co-advised student)

*Students in my laboratory*

<b>Student Name</b>	<b>Degree/Yr</b>	<b>Subsequent Training</b> <i>(e.g., post-doc position)</i>	<b>Current Position</b>
Kasey Fowler-Finn	PhD 2009	U. Wisconsin-Milwaukee	Asst Prof. St. Louis U, MO
Dustin Wilgers	PhD 2011	--	Assoc Prof. McPhersen College, KS
Mitch Bern	MS 2011	M.Ed. Doane College	High school teacher
Steven Schwartz*	PhD 2013	Macquarie University, OZ	Lecturer @ Gonzaga University
Malcolm Rosenthal	PhD 2015	University of Toronto; UC Berkeley	Post-doc University of California, Berkeley
Marie-Claire Chelini	PhD 2016	UC Merced; University of California Postdoctoral Fellow	Post-Doc, Duke University
Jason Stafstrom	PhD 2017	Endeavor Postdoctoral Fellow at University of New South Wales	Post-doc, Cornell University
Alissa Anderson	PhD 2018	Post-doc Vanderbilt University	Lecturer @ Indiana University
Colton Watts*	PhD current		
Tyler Corey	PhD current		
Noori Choi	PhD current		
Laura Segura-Hernandez	PhD current		
Brandi Pessman	PhD current		

**Students outside my laboratory (committee member)**

<b>Student Name</b>	<b>Degree</b>	<b>University</b>
Amanda Tolle	MS	UNL
Ashley Bowers	MS	UNL
Michael Mellon	MS	UNL
Christine Muller	PhD	UNL
Swapna Purandaree	PhD	UNL
Ashley Atwell	MS	UNL
Cassie Martin	PhD	UNL
Chandreyee Mitra	PhD	UNL
Travis Hinkelman	PhD	UNL
Andre Melie	MS	UNL
Heidi Bulfer	MS	UNL
Sarah Cowles	MS	UNL
Lizette Dahlgren	PhD	UNL, Entomology
Nora Youngs	PhD	UNL, Mathematics
Heather Mallory	PhD	Georgetown University
Paul Shamble	PhD	Cornell University
Kenny Chapin	PhD	UCLA
James Gallant	MS	U of Mass Lowell
*Fernando Soley	PhD	Macquarie University, Australia
*Doris Preininger	PhD	Universitat Wien, Austria
*Naila Even	PhD	Macquarie University, Australia
Lindsey Coit	MS	UNL
Beau Christ	PhD	UNL, Computer Science
Chelsea Lewis	MS current	UNL
Emily Hudson	PhD current	UNL
<b>Maria Goller</b>	<b>PhD current</b>	<b>UNL</b>
<b>Laura Vander Meiden</b>	<b>PhD current</b>	<b>UNL</b>
<b>Stella Uiterwaal</b>	<b>PhD current</b>	<b>UNL</b>
<b>Samantha Daniel</b>	<b>MS current</b>	<b>UNL, Entomology</b>
<b>Martha Patricia Torres</b>	<b>PhD current</b>	<b>Universidad de Los Andes</b>
<b>*Laura Schaedler</b>	<b>PhD current</b>	<b>Universidade Federal de Paraná, Brazil</b>

\* signifies external thesis examiner

**Current students represented by BOLD type****POST DOCTORAL RESEARCHERS ADVISED**

<b>Name</b>	<b>Years</b>	<b>Current Position</b>
Andrew Spence	2005 – 2005	RCUK Research Fellow, UK
Diane Blackwood	2004	Unknown
Roger Santer	2006 – 2009	Lecturer U. of Aberystwyth, Wales UK
Rodrigo Willemart	2006 – 2007	Asst. Prof. U. Sao Paulo, Brazil
Aaron Rundus	2007 – 2009	Assoc. Prof. Westchester College, PA
Laura Sullivan-Beckers	2008 – 2011	Asst. Prof. Murray State University
Matt Wilkins	2014 – 2016	Post-Doc @ Vanderbilt University
Rowan McGinley	2016 – present	

**GRADUATE STUDENT GRANTS, HONORS AND AWARDS**



***CURRENT STUDENTS:***

**LAURA SEGURA-HERNANDEZ (2018 – present)**

**GRANTS & FELLOWSHIPS**

- Chancellor's Fellowship, University of Nebraska-Lincoln (2018 – present)
- International Society of Arachnology Student Travel Grant (2018)

**HONORS & AWARDS**

- 1st Place in Student Paper Competition, *International Arachnological Congress*, New Zealand 2019

**NOORI CHOI (2017 – present)**

**GRANTS & FELLOWSHIPS**

- American Arachnological Society Student Research Grant (2017)
- American Arachnological Society Student Travel Grant (2017)
- Animal Behavior Society Student Research Grant (2017)
- Animal Behavior Society Student Travel Grant (2017)
- Blair Paxton Udale Fund for Life Sciences, UNL (2017)

**TYLER COREY (2014 – present)**

**GRANTS & FELLOWSHIPS**

- Sigma Xi Grant in Aid, 2019
- American Arachnological Society Student Research Grant (2018)
- School of Biological Sciences Student Travel Grant (2018)
- National Science Foundation Graduate Research Fellowship (GRFP) 2015
- OTS Pilot Award (2016)

**HONORS & AWARDS**

- 1<sup>st</sup> Place SBS Oral Talk (2019)
- 1<sup>st</sup> Place Judges Award for *Peacock Spider Dance Dance Revolution*, SciComm Conference, 2018
- 1<sup>st</sup> UNL Science Slam winner (spring 2016)
- *Winner, "Most Awesome Video Award" for "Pygids," educational music video co-created with Dr. Matthew R. Wilkins, Arizona State University 2017 Science Showcase*

**COLTON WATTS (2014 – present)**

**GRANTS & FELLOWSHIPS**

- University of Nebraska-Lincoln Presidential Fellowship, 2019-2020
- American Arachnological Society Student Travel Grant, 2018
- School of Biological Sciences Special Funds Research Grant, 2018
- GAAN Fellowship, UNL 2016
- Animal behavior Society Student Research Grant, 2016
- School of Biological sciences, Special Funds Research Grant, 2015
- Othmer Fellowship, University of Nebraska-Lincoln, 2014 - 2017

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***PAST STUDENTS:***

**KASEY FOWLER-FINN (PhD, 2009)**

**GRANTS & FELLOWSHIPS**

- National Science Foundation, Doctoral Dissertation Improvement Grant, 2008. \$11,998.

- Animal Behavior Society student research award, 2008 (Declined)
- Blair Paxton Udale grant, School of Biological Sciences, University of Nebraska, 2008. \$2,000.
- GANN fellowship research award, School of Biological Sciences, University of Nebraska, 2007. \$2,500.
- Sigma Xi, Grant-in-aid, 2007, \$1,000.
- Blair Paxton Udale grant, School of Biological Sciences, University of Nebraska, 2007 \$1,500
- Initiative for Ecological and Evolutionary Analysis Research, Grant-In-Aid, School of Biological Sciences, University of Nebraska-Lincoln. 2006. \$1,000
- Howard Hughes Medical Institute Undergraduate Research Scholar, 2003.
- College of Arts and Sciences Undergraduate Research Grant, Cornell University, 2003. \$300.

#### **HONORS AND AWARDS**

- Animal Behavior Society student travel award. 2009 \$1000 (Declined)
- Student poster award, 1<sup>st</sup> place, Graduate symposium, School of Biological Sciences, University of Nebraska. 2008
- Student poster award, 2<sup>nd</sup> place, American Arachnological Society 2007.
- GANN fellowship, School of Biological Sciences, University of Nebraska 2007-2008.
- National Science Foundation Graduate Research Fellowship, awarded in 2004

#### **DUSTIN WILGERS (PhD, 2011)**

##### **GRANTS & FELLOWSHIPS**

- Biological Sciences Travel Grant, 2009 \$500
- Special Funds, School of Biological Sciences, University of Nebraska, Lincoln, 2008, \$1500
- Travel Grant, School of Biological Sciences, University of Nebraska, Lincoln, 2008, \$500
- Sigma Xi Grant-in-Aid, 2008, \$813
- Special Funds, School of Biological Sciences, University of Nebraska, Lincoln, 2007, \$1000
- Animal Behavior Society Student Research Grant, \$800, 2010
- Special Funds, School of Biological Sciences, University of Nebraska 2011 \$400

##### **HONORS AND AWARDS**

- UNL Research Fair Outstanding Graduate Student Poster, 2009
- Maude Hammond Fling Fellowship, UNL, 2009 - 2010
- Biology Graduate Student Symposium Poster Competition, 1<sup>st</sup> Place, 2009
- 2<sup>nd</sup> place in poster competition at Midwest Ecology and Evolution Conference, 2009
- Collins award for excellent in Kansas Herpetology – Kansas Herpetological Society, 2008
- Honorable Mention, Outstanding Graduate Research Assistant Award, University of Nebraska, Lincoln, 2008
- GANN fellowship, School of Biological Sciences, University of Nebraska 2008
- GANN fellowship, School of Biological Sciences, University of Nebraska 2007
- GANN fellowship, School of Biological Sciences, University of Nebraska 2006
- Honorable Mention, Outstanding Graduate Research Assistant Award, UNL, 2009
- Graduate student representative for the American Arachnological Society Executive Committee
- Offered a tenure-track position at St. Gregory's college in Shawnee, OK (spring 2011) – declined

- Offered an adjunct faculty position at Sterling College, KS
- Offered position as Assistant Professor at McPherson University, KS - accepted

**STEVEN SCHWARTZ (PhD, 2013)**

**HONORS AND AWARDS**

- GANN fellowship, School of Biological Sciences, University of Nebraska 2006-2007.
- GANN fellowship, School of Biological Sciences, University of Nebraska 2007-2008.
- GANN fellowship, School of Biological Sciences, University of Nebraska 2008-2009.

**MALCOLM ROSENTHAL (PhD, 2015)**

**GRANTS & FELLOWSHIPS**

- Dean's Fellowship, UNL 2013

**MARIE-CLAIRE CHELINI (PhD, 2016)**

**GRANTS & FELLOWSHIPS**

- Chancellor's Fellowship, University of Nebraska-Lincoln (2011 – 2013)
- Maude Hammond Fling Fellowship, UNL 2013 - 2014
- Animal Behavior Society Student Research Grant, 2015

**HONORS & AWARDS**

- Harold Winfred Manter Prize (for outstanding graduate research in zoology), 2015

**JASON STAFSTROM (PhD, 2017)**

**GRANTS & FELLOWSHIPS**

- Organization for Tropical Studies (OTS) Post-Course travel award
- OTS Pilot Award
- Smithsonian Tropical Research Institute (STRI) graduate student fellowship
- Moore Fellowship, UNL 2013
- Moore Fellowship, UNL 2014
- Endeavor Fellowship (travel, stipend, living allowance to do research in Australia for 6 months) at Macquarie University, spring 2015
- Animal Behavior Student Research Grant, 2015
- Sigma Xi Grant-in-Aid, 2015

**HONORS & AWARDS**

- 1<sup>st</sup> place prize in EEB poster competition, School of Biological Sciences Graduate Student Symposium, UNL (spring, 2016)
- Founders Award, 1<sup>st</sup> place poster competition, Animal Behavior Society Annual Meetings, summer 2016
- Harold Winfred Manter Award, School of Biological Sciences, UNL (2017)

**ALISSA ANDERSON (PhD, 2018)**

**GRANTS & FELLOWSHIPS**

- Harold Winfred Manter Award, School of Biological Sciences, UNL (2018)
- Animal behavior Society Student Research Grant, 2016
- Dean's Fellowship (2016 – 2017)
- American Arachnological Society and Roth student research grant, 2016
- Maude Hammond Fling Fellowship, UNL, 2017 - 2018
- SBS Special Funds (2017)
- American Society of Naturalists Student Travel Award (2017)

**HONORS & AWARDS**

- 2<sup>nd</sup> Place in Outstanding Oral Presentation competition at the International Arachnological Congress (2016)

**BRIDGET BICKNER (Undergraduate @ UNL in my Laboratory; graduated Dec. 2018)**

- American Society of Plant Biologists Summer Undergraduate Research Fellow
- DaRin-Butz Foundation Research Intern

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**MISCELLANEOUS AWARDS**

- American Arachnological Society Travel Awards – Mari Pesek (undergraduate)
- SBS Special Funds Undergraduate Travel Scholarship – Matt Hansen (undergraduate)
- SBS Alumni Poster Award – Tyler’s student (2019 spring)
- CASNR (College of Agricultural Sciences and Natural Resources) Undergraduate Poster Award Competition – Earl Agpawa (2019 spring)