

# MOLLY H.F. MCENTEE

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## PROFESSIONAL APPOINTMENTS

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2024- Postdoctoral Researcher in Ecology and Evolutionary Biology, UC Santa Cruz, Santa Cruz, CA  
2023-24 Postdoctoral Fellow in Biology, Georgetown University, Washington, DC

## EDUCATION

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2023 Ph.D. in Biology, Georgetown University  
Advisor: Professor Janet Mann  
Dissertation title: Female reproduction in Indo-Pacific bottlenose dolphins: Costs of and counterstrategies to sexual conflict and coercion  
2014 B.A. in Biology, Williams College

## PUBLICATIONS

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Foroughirad, V., **McEntee, M. H. F.**, Mann, J. (in press). Causes and consequences of female kinship and social bonds. In D. Croft, A. Foote, E. Garland and S. King (Eds) *The Evolution of Cetacean Societies*.

Vivier, F., Andrés, C., Gonzalvo, J., Fertitta, K., van Aswegen, M., Foroughirad, F., Mann, J., **McEntee, M.**, Wells, R.S., Bejder, L. (2024). Inferring dolphin population status: using Unoccupied Aerial Systems to quantify age-structure. *Animal Conservation*. <https://doi.org/10.1111/acv.12978>

**McEntee, M.H.F.**, MacQueeney, M., Alvarado, D.C., Mann, J. (2023). Infanticide and sexual conflict in cetaceans. In B. Würsig and D. Orbach (Eds) *Sex in Cetaceans: Morphology, Behavior, and the Evolution of Sexual Strategies*. (pp. 199–224). Springer International Publishing. [https://doi.org/10.1007/978-3-031-35651-3\\_10](https://doi.org/10.1007/978-3-031-35651-3_10)

**McEntee, M. H. F.**, Foroughirad, V., Krzyszczyk, E., & Mann, J. (2023). Sex bias in mortality risk changes over the lifespan of bottlenose dolphins. *Proceedings of the Royal Society B: Biological Sciences*, 290(2003), 20230675. <https://doi.org/10.1098/rspb.2023.0675>

Foroughirad, V., **McEntee, M.**, Kopps, A. M., Levengood, A., Frère, C., & Mann, J. (2022). Reproductive timing as an explanation for skewed parentage assignment ratio in a bisexually philopatric population. *Behavioral Ecology and Sociobiology*, 76(9), 129. <https://doi.org/10.1007/s00265-022-03233-2>

Mann, J., Foroughirad, V., **McEntee, M. H. F.**, Miketa, M. L., Evans, T. C., Karniski, C., Krzyszczyk, E., Patterson, E. M., Strohman, J. C., Wallen, M. M. (2021). Elevated calf mortality and long-term responses of wild bottlenose dolphins to extreme climate events: Impacts of foraging specialization and provisioning. *Frontiers in Marine Science*, 8:617550. <https://doi.org/10.3389/fmars.2021.617550>

Edwards, J., Smith, G. P., **McEntee, M. H. F.** (2015). Long-term time-lapse video provides near complete records of floral visitation. *Journal of Pollination Ecology*, 16, 91–100. [https://doi.org/10.26786/1920-7603\(2015\)16](https://doi.org/10.26786/1920-7603(2015)16)

Wagner, J. K. S., **McEntee, M. H.**, Brothers, L. L., German, C. R., Kaiser, C. L., Yoerger, D. R., Van Dover, C. L. (2013). Cold-seep habitat mapping: High-resolution spatial characterization of the Blake Ridge Diapir seep field. *Deep Sea Research Part II: Topical Studies in Oceanography*, 92, 183–188. <https://doi.org/10.1016/j.dsr2.2013.02.008>

## EXTERNAL GRANTS AND FELLOWSHIPS

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2020 American Society of Mammalogists Grant-in-Aid of Research (\$1,500)  
2019 National Science Foundation Graduate Research Opportunities Worldwide (\$5,000)  
2019 Animal Behavior Society Student Research Grant (\$1,000)  
2019 American Society of Mammalogists Grant-in-Aid of Research (\$1,500)  
2019 Society for Integrative and Comparative Biology Fellowship of Graduate Student Travel (\$2,000)  
2018 American Museum of Natural History Lerner-Gray Grant for Marine Research (\$1,500)  
2017 National Science Foundation Graduate Research Fellowship (\$138,000)

## INTERNAL GRANTS AND FELLOWSHIPS

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2022	Georgetown University Graduate School Conference Travel Grant (\$500)
2022	Georgetown University Department of Biology Graduate Travel Grant (\$165)
2020	Georgetown University Dissertation Research Travel Grant Award (\$5,000)
2020	Georgetown University Graduate School Conference Travel Grant (\$500)
2020	Georgetown University Department of Biology Graduate Travel Grant (\$170)
2019	Georgetown University Department of Biology Graduate Travel Grant (\$200)
2018	Georgetown University Department of Biology Graduate Travel Grant (\$165)
2014	Williams College Frederick Eugene Stratton 1872 Fellowship in Biology (\$9,000)

## SELECTED CONFERENCE PRESENTATIONS (\*MENTORED UNDERGRADUATE AUTHOR)

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- McEntee, M.H.F.**, MacQueeney, M., Alvarado, D.C., Mann, J. Infanticide and sexual conflict in cetaceans. Dec 2025. 10 Nov 2024. Society of Marine Mammalogy Biennial Conference: Sex and Cetaceans Workshop. Talk. Perth, Australia.
- \*Scott, A., **McEntee, M.H.F.**, Mann, J., Mommy and Me: Analyzing Activity Budgets of Mother Dolphins. 17 April 2024. Undergraduate Research Conference, Georgetown University. Talk. *Excellence in Oral Presentation Award*.
- Mann, J., **McEntee, M.H.F.**, Karniski, C., Foroughirad, V. Menopause, senescence and sociality in dolphins and whales. 12 July 2023. Animal Behavior Society. Social domains of ageing symposium. Co-presenter. Portland, OR. Co-presented.
- McEntee, M.H.F.**, Foroughirad, V., Krzyszczyk, E., Levengood, A.L., Patterson, E.M., Wallen, M.M., Frère, C., Mann, J. Infanticide and inbreeding: tradeoffs in female mate choice in the face of allied sexual coercion. 21 July 2022. Animal Behavior Society. Allee Symposium. San Juan, Costa Rica.
- Evans, T., Foroughirad, V., Krzyszczyk, E., **McEntee, M.H.F.**, Frère, C., Mann, J. Vertical transmission and fitness consequences of socio-ecological strategies in bottlenose dolphins. July 2022. Animal Behavior Society Conference. Parallel talk. Virtual.
- McEntee, M.H.F.**, Foroughirad, V., Krzyszczyk, E., Levengood, A.L., Patterson, E.M., Wallen, M.M., Frère, C., Mann, J. Female mate choice despite allied sexual coercion in Indo-Pacific bottlenose dolphins. 6 January 2022. Society of Integrative and Comparative Biology Conference. Parallel talk. Virtual.
- \*Alvarado, D.C., **McEntee, M.H.F.**, Foroughirad, V., Levengood, A.L., Krzyszczyk, E., Frère, C., Mann, J. Understanding the risk of infanticide in Shark Bay bottlenose dolphins (*Tursiops aduncus*). 5 January 2022. Society of Integrative and Comparative Biology Conference. Parallel talk. Virtual.
- \*MacQueeney, M.E., **McEntee, M.H.F.**, Krzyszczyk, E., Mann, J. Calf loss as an indicator of maternal investment in bottlenose dolphins. 29 July 2020. Animal Behavior Society Conference. Parallel talk. Virtual.
- McEntee, M.H.F.**, Krzyszczyk, E., Foroughirad, V., Frère, C., Mann, J. Fitness and mortality costs to females in a system with allied sexual coercion. 6 January 2020. Society of Integrative and Comparative Biology. Parallel talk. Austin, TX
- Mann, J., **McEntee, M.H.F.**, Karniski, C., Foroughirad, V., Evans, T., Galezo, A., Krzyszczyk, E., Rankin, R., Frère, C. From birth to death: Life history strategies in wild bottlenose dolphins, Shark Bay, Australia. 11 December 2019. World Marine Mammal Conference. Barcelona, Spain.
- McEntee, M.H.F.**, Krzyszczyk, E., Foroughirad, V., Frère, C., Mann, J. Mortality costs of reproduction in bottlenose dolphins in Shark Bay, Australia. 30 March 2019. Southeast and Mid-Atlantic Marine Mammal Symposium. Parallel talk. Washington, DC. *Awarded best graduate student presentation*.

## RESEARCH EXPERIENCE

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- 2024- **Año Nuevo Northern Elephant Seal Research**, UC Santa Cruz, PI: Roxanne Beltran  
Postdoctoral researcher, field work in Año Nuevo, California
- 2019-24 **Shark Bay Dolphin Research Project**, Georgetown University, PI: Janet Mann  
PhD and postdoctoral researcher, fieldwork in Shark Bay, Australia
- 2017 **Marine Environmental and Research Institute**, PI: Dr. Susan Shaw  
Marine mammal intern, Blue Hill, ME, USA

- 2016 **Comparative Analysis of Baboon Sociality Project**, Arizona State University, PI: Joan Silk  
Field research assistant and camp manager, Laikipia, Kenya
- 2015 **Right Whale Research Project**, New England Aquarium, PIs: Philip Hamilton and Monica Zani  
Field research assistant, Lubec, ME, USA
- 2014-15 **Mara Hyena Project**, Michigan State University, PI: Kay Holekamp  
NSF IRES field research assistant and camp manager, Maasai Mara, Kenya
- 2013 **Summer Science Research Fellowship**, Williams College, PI: Joan Edwards  
Honors thesis research, field research in Isle Royale National Park, MI, USA
- 2012 **Bookhout Research Scholarship**, Duke Marine Laboratory, PI: Cindy Lee Van Dover  
Research assistant, Beaufort, NC, USA

## TEACHING EXPERIENCE

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- 2023 **Data Analysis in R**, Georgetown University Biology Department  
Instructor of Record
- 2022 **Animal Behavior**, Georgetown University Biology Department  
Guest lecture: Sexual selection
- 2019 **Animal Behavior**, Georgetown University Biology Department  
Guest lecture: Sexual selection
- 2019 **Animal Behavior**, Georgetown University Biology Department  
Teaching Fellow
- 2018 **Ecology of Cities**, Georgetown University Biology Department  
Teaching Fellow

## HONORS AND AWARDS

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- 2023 Georgetown University Department of Biology Best Graduate Student Honorary Mention
- 2022 Animal Behavior Society Walter Clyde Allee Competition Finalist
- 2022 Georgetown University Outstanding Leader in a Graduate Student Organization Award  
Nominee
- 2020 Georgetown University Graduate Student Teaching Assistant Award Nominee
- 2019 Best Graduate Student Presentation, Southeast and Mid-Atlantic Marine Mammal Symposium

## OUTREACH AND SERVICE

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- 2022-25 Grant reviewer: Animal Behavior Society Student Research Grants
- 2018-24 Peer reviewer: *Ethology*, *Mammal Review*, *Proceedings of the Royal Society B*, *Biological Conservation*, *Marine Mammal Science*
- 2020-22 Founding chair: Emergency Assistance Fund and Mutual Aid Fund Committee, Georgetown Alliance of Graduate Employees
- 2020-22 Member data manager: Finance Committee, Georgetown Alliance of Graduate Employees
- 2020-21 Secretary: Biology Organization of Graduate Students, Georgetown University
- 2020-21 Biology Diversity, Equity, and Inclusion Working Group, Georgetown University
- 2020 Panelist: Writing a competitive GIAR/ FGST grant proposal, Society of Integrative and Comparative Biology Annual Meeting.
- 2019 Co-organizer Southeast and Mid-Atlantic Marine Mammal Symposium
- 2019 Panelist: Williams College Biology Dept Alumni Research Reunion: Pursuing a PhD
- 2018 Panelist: NSF Graduate Research Fellowship Program Application Information Session, Georgetown University
- 2018 Judge: Harmony Elementary School Science and Engineering Fair