

Margaret A. Stanton

University of New England
School of Social and Behavioral Sciences
Biddeford, ME 04005
mstanton7@une.edu | margaretastanton.com

CURRENT APPOINTMENT

2020- **Assistant Professor**, School of Social and Behavioral Sciences, University of New England

EDUCATION

2011 **Ph.D., Biology**, Georgetown University
Dissertation: Social networks and fitness consequences of early sociality in wild bottlenose dolphins (*Tursiops* sp.)

2004 **B.S., Psychology**, University of Maryland College Park

2004 **B.S., Biology**, University of Maryland College Park
Specialization: Behavior, Ecology, Evolution, and Systematics

PROFESSIONAL EXPERIENCE

2017-20 **Visiting Assistant Professor**, Department of Psychology, Franklin & Marshall College

2012-17 **Postdoctoral Scientist**, Department of Anthropology, The George Washington University

2011 **Postdoctoral Fellow**, Department of Biology, Georgetown University

2006-11 **Graduate Student**, Department of Biology, Georgetown University

TEACHING EXPERIENCE

University of New England

2021 Instructor, PSY 425: Advanced Methods in Animal Behavior

2021 Instructor, PSY 275: Introduction to Techniques in Animal Behavior

2020 Instructor, PSY 225: Psychology Statistics

2020 Instructor, PSY 305C: Primatology

2020 Instructor, PSY 305D: Comparative Social Behavior

Franklin & Marshall College

2017-20 Instructor, PSY 230: Experimental Design and Statistics

2017-20 Instructor, PSY 230: Experimental Design and Statistics Laboratory

2017-20 Instructor, PSY 372: Comparative Social Behavior

2018 Instructor, PSY 100: Introductory Psychology Laboratory

2018-19 Instructor, PSY 250: Animal Behavior

2018-19 Instructor, PSY 250: Animal Behavior Laboratory

The George Washington University

2015 Co-Instructor, ANTH1005: Biological Basis of Human Behavior

Georgetown University

2012 Co-Instructor, PSYC/BIOL 226: Animal Behavior

2007-08 Teaching Fellow, PSYC/BIOL 226: Animal Behavior

2006-07 Teaching Fellow, BIOL 007: Ecology and the Oceans

2006-07 Teaching Fellow, BIOL 007: Ecology and the Oceans Laboratory

PUBLICATIONS

Journal Articles

- 2021 Lonsdorf E.V., **Stanton M.A.**, Wellens K.R., Murray C.M. 2021. Wild chimpanzee offspring exhibit adult-like foraging patterns around the age of weaning. *American Journal of Physical Anthropology*. 1-14.
- 2020 Subiaul F., **Stanton M.A.** 2020. Intuitive invention by summative imitation (and emulation) in children and adults. *Cognition*. 202, 104310.
- 2020 **Stanton M.A.**, Lonsdorf E.V., Murray C.M., Pusey A.E. 2020. Consequences of maternal loss before and after weaning in male and female wild chimpanzees. *Behavioral Ecology and Sociobiology*. 74, 22.
- 2019 Lonsdorf E.V., **Stanton M.A.**, Pusey A.E., Murray C.M. 2019. Sources of variation in weaned age among wild chimpanzees in Gombe National Park, Tanzania. *American Journal of Physical Anthropology*. 171(3), 419-429.
- 2019 Lee S.M., Murray C.M., Lonsdorf E.V., Fruth B., **Stanton M.A.**, Nichols J., Hohmann G. 2019. Wild female bonobos and chimpanzees exhibit broadly similar patterns of behavioral maturation but some evidence for divergence. *American Journal of Physical Anthropology*. DOI: 10.1002/ajpa.23935.
- 2018 Lonsdorf E.V., **Stanton M.A.**, Murray C.M. 2018. Sex differences in sibling-infant interactions in wild chimpanzees. *Behavioral Ecology and Sociobiology*. 72, 117.
- 2018 Murray C.M., **Stanton M.A.**, Wellens K.R., Santymire R.M., Heintz M.R., Lonsdorf E.V. 2018. Maternal effects on offspring stress physiology in wild chimpanzees. *American Journal of Primatology*. 80, e22525.
- 2018 Lonsdorf E.V., Travis D.A., Gillespie T.G., Wolf T., Murray C.M., Wilson M.L., Kamenya S., Mjungu D., Bakuza J., Raphael J., Lipende I., Collins D.A., Gilby I.C., **Stanton M.A.**, Terio K.A., Hahn B.H., Pusey A.E., Goodall J. 2018. Social and demographic patterns of observable clinical signs of ill health in wild chimpanzees (*Pan troglodytes schweinfurthii*) at Gombe National Park, Tanzania. *American Journal of Primatology*. 80, e22562.
- 2018 McGrath K., El-Zaatari S., Guatelli-Steinberg D., **Stanton M.A.**, Reid D.J., Stoinski T.S., Cranfield M.R., Mudakikwa A., McFarlin S.C. 2018. Quantifying linear enamel

hypoplasia in Virunga mountain gorillas and other great apes. *American Journal of Physical Anthropology*. 166, 337-352.

- 2017 **Stanton M.A.**, Lonsdorf E.V., Pusey A.E., Murray C.M. 2017. Do juveniles help or hinder? Influence of juvenile offspring on maternal behavior and reproductive outcomes in wild chimpanzees (*Pan troglodytes*). *Journal of Human Evolution*. 111, 152-162.
- 2017 Miller J.A., **Stanton M.A.**, Lonsdorf E.V., Wellens K.R., Markham A.C., Murray C.M. 2017. Limited evidence for third-party affiliation during development in wild chimpanzees (*Pan troglodytes schweinfurthii*). *Royal Society Open Science*. DOI: 10.1098/rsos.170500.
- 2017 Krzyszczyk E., Patterson E.M., **Stanton M.A.**, Mann J. 2017. The transition to independence: Sex differences in the social and behavioral development of wild bottlenose dolphins. *Animal Behaviour*. 129, 43-59.
- 2016 Murray C.M., **Stanton M.A.**, Lonsdorf E.V., Wroblewski E.E., Pusey A.E. 2016. Chimpanzee fathers bias their behavior towards their offspring. *Royal Society Open Science*. DOI: 10.1098/rsos.160441.
- 2016 O'Malley, R., **Stanton M.A.**, Gilby I., Lonsdorf E.V., Pusey A.E., Markham A.C., Murray C.M. 2016. Patterns of faunivory across reproductive states and rank in wild female chimpanzees. *Journal of Human Evolution*. 90, 16-28.
- 2015 **Stanton M.A.**, Heintz M.R., Lonsdorf E.V., Santymire R.M., Lipende I., Murray C.M. 2015. Maternal behavior and physiological stress levels in wild chimpanzees (*Pan troglodytes schweinfurthii*). *International Journal of Primatology*. 36, 473-488.
- 2015 Karniski C., Patterson E.M., Krzyszczyk E., Foroughirad V., **Stanton M.A.**, Mann J. 2015. A comparison of survey and focal follow methods for estimating individual activity budgets of cetaceans. *Marine Mammal Science*. 31, 839-852.
- 2014 **Stanton M.A.**, Lonsdorf E.V., Pusey A.E., Goodall, J., Murray C.M. 2014. Maternal behavior by birth order in wild chimpanzees (*Pan troglodytes*): Increased investment by first-time mothers. *Current Anthropology*, 55, 483-489.
- 2014 Murray C.M., Lonsdorf E.V., **Stanton M.A.**, Wellens K.R., Miller J.A., Goodall J., Pusey A.E. 2014. Social exposure in wild chimpanzees: Mothers with sons are more gregarious than mothers with daughters. *Proceedings of the National Academy of Sciences U.S.A.*, 111, 18189-18194.
- 2014 Lonsdorf E.V., Anderson K.A., **Stanton M.A.**, Shender M.A., Heintz M.R., Goodall J., Murray C.M. 2014. Boys will be boys: Sex differences in wild infant chimpanzee social interactions. *Animal Behavior*, 88, 79-83.
- 2012 **Stanton M.A.**, Mann J. 2012. Early social networks predict survival in wild bottlenose dolphins. *PLoS ONE*, 7, e47508.
- 2012 Mann J., **Stanton M.A.**, Patterson E.M., Bienenstock E.J., Singh L.O. 2012. Social networks reveal culture in tool using dolphins. *Nature Communications*, 3, 980.

- 2012 Hirsch B.T., **Stanton M.A.**, Maldonado J.E. 2012. Kinship shapes affiliative social networks but not aggression in ring-tailed coatis. *PLoS ONE*, 7, e37301.
- 2011 **Stanton M.A.**, Gibson Q.A., Mann J. 2011. When mum's away: a study of mother and calf ego networks during separations in wild bottlenose dolphins (*Tursiops* sp.). *Animal Behaviour*, 83, 405-412.

Book Chapters

- 2020 Mann J., **Stanton M.A.**, Murray, C.M. 2020. Dolphins and Chimpanzees: A case for convergence? In *Chimpanzees in Context*, ed. Hopper L. & Ross S. University of Chicago Press.
- 2014 **Stanton M.A.** & Mann J. 2014. Social network analysis: Applications to primate and cetacean societies. In *Primates and cetaceans: Field research and conservation of complex mammalian societies*, ed. Yamagiwa J. & Karczmarski L. Springer.
- 2014 **Stanton M.A.** & Mann J. 2014. Shark Bay bottlenose dolphins: A case study for defining and measuring sociality. In *Primates and cetaceans: Field research and conservation of complex mammalian societies*, ed. Yamagiwa J. & Karczmarski L. Springer.

Other Publications

- 2020 **Stanton M.A.** & Lonsdorf E.V. Chimpanzees deserve mother's day too. *Scientific American*. May 9th 2020.

RESEARCH SUPPORT AND AWARDS

- 2019 Richard C. Puff Fund for Summer Research Students (\$3,750)
- 2018 Franklin & Marshall College Hackman Summer Scholar Award (\$4,000)
- 2011 Georgetown University Graduate School of Arts and Sciences Conference Travel Award (\$500)
- 2011 Georgetown University Biology Department Conference Travel Grant (\$500)
- 2011 Georgetown University Center for the Environment Grant (\$500)
- 2009 Georgetown University Graduate School of Arts and Sciences Dissertation Research Travel Award (\$5,000)
- 2009 Georgetown University Center for the Environment Grant (\$500)
- 2008 Georgetown University Center for the Environment Grant (\$500)
- 2008 Explorer's Club Washington Group Exploration & Field Research Grant (\$2,800)
- 2010 Georgetown University Biology Department Graduate Student of the Year Award
- 2006-11 Georgetown University Biology Scholarship

2006-10 Georgetown University Fellowship
2002 University of Maryland Honors Citation
2000-04 University of Maryland President's Scholarship

RESEARCH SUPERVISION

Franklin & Marshall College

- Caroline Schleimer: Senior honors thesis student (Fall 2019-Spring 2020)
- Margaret Ingmanson: Independent research student (Fall 2019-Spring 2020)
- Lynn Zhang: Volunteer research intern (Fall 2019-Spring 2020)
- Emily Kimball: Independent research student (Summer 2019-Spring 2020)
- Nicole Dobroski: Independent research student (Summer 2018-Fall 2018)

The George Washington University

- Jack Winans: Research intern Primate Behavioral Ecology Lab (2015-2017)
- Anna Heffernan: Research intern Primate Behavioral Ecology Lab (2015-2016)
- Jennifer Nichols: Research intern Primate Behavioral Ecology Lab (2016)
- Rachel Sinsheimer: Research intern Primate Behavioral Ecology Lab (2015)
- Helen Gaynor: Senior thesis student Primate Behavioral Ecology Lab (2013-2015)
- Aisha Mustapha: Research intern Primate Behavioral Ecology Lab (2013-2014)
- Eva Schwartz: Research intern Primate Behavioral Ecology Lab (2012-2014)
- Jillie Drutz: Research intern Primate Behavioral Ecology Lab (2012-2014)

Georgetown University

- Jennie Lamb: Field research assistant (2009)
- Kathryn Corrigan: Field research assistant (2008)
- Brittany Baschuk: Field research assistant (2008)
- Stephanie Majeski: Field research assistant (2007)
- Elizabeth Zimmerman: Field research assistant (2007)

CONFERENCE PRESENTATIONS

- Wellens K.R., **Stanton M.A.**, Pusey A.E., Lonsdorf E.V., Murray C.M. 2017. Maternal gregariousness during early infancy predicts offspring social patterns in adulthood in wild chimpanzees. Oral Presentation. 40th Meeting of the American Society of Primatologists Scientific Program. Aug. 25th-Aug. 20th 2017.
- **Stanton M.A.**, Lonsdorf E.V., Pusey A.E., Murray C.M. 2016. Do juveniles help or hinder? Influence of juvenile offspring on maternal behavior and reproductive outcomes in wild chimpanzees (*Pan troglodytes*). Oral Presentation. Joint meeting of the International Primatological Society and the American Society of Primatologists. Aug. 21st-27th 2016.
- Lee S.M., Hohmann G., Lonsdorf E.V., McFarlin S.C., **Stanton M.A.**, Murray C.M. 2016. Differences in maternal investment between Gombe chimpanzees (*Pan troglodytes schweinfurthii*) and LuiKotale bonobos (*Pan paniscus*). Oral Presentation. Joint meeting of the International Primatological Society and the American Society of Primatologists. Aug. 21st-27th 2016.

- Wellens K.R., Bray J., **Stanton M.A.**, Emery Thompson M., Lonsdorf E.V., Wrangham R.W., Machanda Z.P. 2016. Comparative patterns of feeding development in wild chimpanzees at Kibale National Park, Uganda, and Gombe National Park, Tanzania. Oral Presentation. Joint meeting of the International Primatological Society and the American Society of Primatologists. Aug. 21st-27th 2016.
- Lonsdorf E.V., **Stanton M.A.**, Murray C.M. 2016. Sex differences in infant-sibling interactions in wild chimpanzees. Oral Presentation. Joint meeting of the International Primatological Society and the American Society of Primatologists. Aug. 21st-27th 2016.
- Gibson, Q.A., Mann J., **Stanton M.A.** 2016. Early development of sex-specific association patterns in wild bottlenose dolphins (*Tursiops* sp.) calves. Oral Presentation. Joint meeting of the International Primatological Society and the American Society of Primatologists. Aug. 21st-27th 2016.
- O'Malley R.C., **Stanton M.A.**, Gilby I.C., Lonsdorf E.V., Pusey A.E., Markham A.C., Murray C.M. 2015. Rank and reproductive state as predictors of female faunivory in Kasekela chimpanzees. Oral Presentation. The American Association of Physical Anthropologists 84th annual meeting. Mar. 25th – 28th 2015.
- Murray C.M., Lonsdorf E.V., **Stanton M.A.**, Wellens K.R., Miller J.A., Pusey A.E. 2015. Early social exposure in wild chimpanzees: Mothers with sons are more gregarious than mothers with daughters. Oral Presentation. The American Association of Physical Anthropologists 84th annual meeting. Mar. 25th – 28th 2015.
- **Stanton M.A.**, Lonsdorf E.V., Pusey A.E., Goodall, J., Murray C.M. 2014. Maternal behavior by birth order in wild chimpanzees (*Pan troglodytes*): Increased investment by first-time mothers. Oral Presentation. 51st Annual Meeting of the Animal Behavior Society. Aug. 9th - 13th 2014.
- Karniski C., Patterson E.M., Krzyszczyk E., Foroughirad V., **Stanton M.A.**, Mann J. Determining cetacean activity budgets: A comparison of surveys and individual focal follows. Poster Presentation. 51st Annual Meeting of the Animal Behavior Society. Aug. 9th - 13th 2014.
- Mann J., Patterson E.M., Foroughirad V., **Stanton M.A.**, Krzyszczyk, E. Social influences and sex differences in the development of sponge tool use among wild bottlenose dolphins. Oral Presentation. 20th Biennial Conference on the Biology of Marine Mammals. Dec. 9th – 13th 2013.
- Foroughirad V., **Stanton M.A.**, Krzyszczyk, E., Patterson E., Bejder L., Wei Y., Singh L., Mann J. Quantifying disturbance to bottlenose dolphin social networks with increasing tour vessel activity in Shark Bay, Western Australia. 20th Biennial Conference on the Biology of Marine Mammals. Dec. 9th – 13th 2013.
- **Stanton M.A.** Fitness consequences of early sociality in wild bottlenose dolphins (*Tursiops* sp.). Allee Competition Finalist. 49th Annual Meeting of the Animal Behavior Society. Jun. 10th – Jun. 14th 2012.
- **Stanton M.A.**, Singh, L.O., Mann J. Survival of the friendliest: A social network approach. Oral Presentation. 19th Biennial Conference on the Biology of Marine Mammals. Nov. 27th – Dec. 2nd 2011.

- Hovis, K., **Stanton M.A.**, Mann J. Quantifying the rate of fission-fusion in bottlenose dolphins (*Tursiops* sp.). Poster Presentation. The 2011 Southeast and Mid-Atlantic Marine Mammal Symposium. Apr. 1st - 3rd 2011.
- **Stanton M.A.**, Singh L.O., Mann J. Predicting survival from social network metrics in bottlenose dolphins. Oral Presentation. 31st International Sunbelt Social Network Conference. Feb. 8th – 13th 2011.
- Bienenstock E.J., Singh L.O., Samuel N., Bansal S.K., **Stanton M.A.**, Mann J. Identifying bias and its effects on interpreting behavioral social network data. Oral Presentation. 31st International Sunbelt Social Network Conference. Feb. 8th – 13th 2011.
- **Stanton M.A.**, Gibson Q.A., Mann J. When mum's away: A comparison of bottlenose dolphin (*Tursiops* sp.) mother and calf ego networks during separations in Shark Bay, Australia. Poster Presentation. 47th Annual Meeting of the Animal Behavior Society. Jul. 25th – 29th 2010.
- **Stanton M.A.**, Mann J., Gibson Q.A., Sargeant B.L., Bejder L., Singh L.O. Snapshot or movie? How sampling methods bias social network metrics. Oral Presentation. 30th International Sunbelt Social Network Conference. Jun. 29th – Jul. 4th 2010.
- Bienenstock E.J., **Stanton M.A.**, Mann J. Models of quasi-symmetry relate sex to dominance in wild dolphin males. Oral Presentation. 30th International Sunbelt Social Network Conference. Jun. 29th – Jul. 4th 2010.
- Mann J., Patterson E.M., Bienenstock E.J., Sargeant B.L., **Stanton M.A.**, Krzyszczyk E.K., Gibson Q.A., Tsai Y.J., Sing L.O. Is dolphin sponging a culture? A social network approach. Oral Presentation. 30th International Sunbelt Social Network Conference. Jun. 29th – Jul. 4th 2010.
- **Stanton M.A.**, Gibson Q.A., Mann J. When mum's away: A comparison of bottlenose dolphin (*Tursiops* sp.) mother and calf ego networks during separations in Shark Bay, Australia. Oral Presentation. The 2010 Southeast and Mid-Atlantic Marine Mammal Symposium. Mar. 26th - 28th 2010.
- **Stanton M.A.**, Mann J., Gibson Q.A., Sargeant B.L., Bejder L., Singh L.O. How much does method matter? A comparison of social networks of bottlenose dolphins (*Tursiops* sp.) in Shark Bay, Australia. Poster Presentation. 18th Biennial Conference on the Biology of Marine Mammals. Oct. 12th - 16th 2009.

INVITED PRESENTATIONS

- Mom and beyond: Early social experiences and their implications for the evolution of sociality. Behavioral Ecology Group, Stony Brook University, 2015.
- Maternal behavior and early social experience in wild chimpanzees. National Museum of Natural History, Smithsonian Institution, 2015.
- Maternal behavior and early social experience in wild chimpanzees. Department of Biology, George Mason University, 2015.
- Mom and beyond: The importance of early sociality in long-lived mammals. Department of Psychology, Franklin & Marshall College, 2014.

- Networking and the evolution of the ‘bromance.’ Department of Biology, Washington & Lee University, 2012.
- Social network development and survivorship in bottlenose dolphins (*Tursiops* sp.). Explorer’s Club Washington Group, 2009.

PUBLIC PRESENTATIONS

- Mom and beyond: The importance of early social experience in mammals. F&M Unleashed Keynote Speaker, Franklin & Marshall College, 2019.
- Dolphin research in Shark Bay, Australia. H.G. Woodlawn High School, Arlington VA. Jun 2008, 2009, 2010.
- Shark Bay explorer night. Weekly Kids Research Seminar. Monkey Mia Dolphin Resort, Western Australia. Sep-Nov 2008.
- The dolphins of Shark Bay. Weekly Public Research Presentation. Monkey Mia Dolphin Resort, Western Australia. Jun-Aug 2007, Sep-Nov 2008, Sep-Nov 2009.

PROFESSIONAL SERVICE

- Ad hoc reviewer: *Proceedings of the National Academy of Sciences, Proceedings of the Royal Society B: Biological Sciences, Animal Behaviour, Developmental Psychobiology, PLoS ONE, Royal Society Open Science, Marine Mammal Science, Behavioural Processes, Aquatic Mammals, Canadian Journal of Zoology, Behavioral Ecology, Behavioral Ecology and Sociobiology, American Journal of Primatology, American Journal of Physical Anthropology*
- Member of: Animal Behavior Society, Society for Marine Mammology, International Network for Social Network Analysis, American Association of Physical Anthropologists, International Primatological Society

PUBLIC OUTREACH

- Participant in the Smithsonian National Museum of Natural History’s The Scientist Is In program 2012-2016
- Participant and panel member for the BePolished Outreach George Washington University Visit 2015 and 2016
- Participant in The George Washington University Diversity in Science symposium 2015
- Volunteer instructor in the Marine Discovery program at Anne Beers Elementary School Washington, DC 2009-2011