

**Nicole Danaher-Garcia**  
Curriculum Vitae as of January 3, 2022

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**CONTACT INFORMATION**

School of Healthcare Leadership  
MGH Institute of Health Professions  
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Boston, MA 02129-4557

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**EMPLOYMENT**

School of Healthcare Leadership, MGH Institute of Health Professions  
*Assistant Professor* *March 2022 - Present*  
*Term Lecturer* *November 2019 – March 2022*

College of Arts, Sciences and Education and Institute of Environment, Florida  
International University  
*Postdoctoral Associate* *January 2021 – March 2022*

Department of Biology and College of Nursing, University of Massachusetts Dartmouth  
*Teaching Assistant* *September 2016 – May 2020*

**EDUCATION**

Graduate School of Arts and Sciences, University of Massachusetts Dartmouth  
*Ph. D., Integrative Biology* *August 2020*

Trinity College of Arts and Sciences, Duke University  
*B.S., Biology; Concentration: Marine Biology; Minor: Environmental Science* *May 2011*

**PUBLICATIONS**

Teele, S., Tremoulet, P., Laussen, P., Danaher-Garcia, N., Salvin, J., White, B.A.  
(submitted to American Journal of Critical Care) Complex Decision Making in an  
Intensive Care Environment: Perceived Practice Versus Observed Reality.

Danaher-Garcia, N.A., Connor, R., Fay, G., Melillo Sweeting, K., Dudzinski, K.M. (2022)  
The Partial Merger of Two Dolphin Societies: Violating terrestrial mammal 'norms'.  
*Royal Society Open Science* 9(8): 211963.

Danaher-Garcia, N.A., Connor, R., Fay, G., Melillo Sweeting, K., Dudzinski, K.M. (2022) Using Social Network Analysis to Confirm the 'Gambit of the Group' Hypothesis for a Small Cetacean. *Behavioural Processes* 200: 104694.

Danaher-Garcia, N.A., Melillo Sweeting, K., Dudzinski, K.M. (2020) Social Structure of Atlantic spotted dolphins (*Stenella frontalis*) off Bimini, The Bahamas (2003-2016): Alternate reasons for preferential association in delphinids. *acta ethologica* 23(1). 9-21.

Dudzinski, K. M., Danaher-Garcia, N. A. & Gregg, J. D. (2012) Pectoral Fin Contact Between Dolphin Dyads at Zoo Duisburg, with Comparison to Other Dolphin Study Populations. *Aquatic Mammals* 39(4). 335-343.

## **TEACHING**

### *Courses taught as instructor or co-instructor*

- Data Analytics Toolkit I (DA620), MGHHP, Fall 2022
- Data Analytics Toolkit II (DA720), MGHHP, Spring 2023
- Advanced Statistical Modelling for Health Professions Education (HE902), MGHHP, Spring 2022
- Statistics/Predictive Analytics for Health Professions Education (HE930), MGHHP, Summer 2022

### *Courses co-taught as term lecturer*

- Advanced Statistical Modelling for Health Professions Education (HE902), MGHHP, Spring 2021
- Statistics/Predictive Analytics for Health Professions Education (HE930), MGHHP, Summer 2021

### *Courses taught as teaching assistant*

- Anatomy and Physiology I (BIO221), UMass Dartmouth, Fall 2016, 2018 and 2019
- Anatomy and Physiology II (BIO222), UMass Dartmouth, Spring 2020
- Biology of Populations (BIO210), UMass Dartmouth, Spring 2017, 2018 and 2019
- Dolphin Behavior, Biology, and Research, Dolphin Communication Project (for Sacred Heart University, University of New Brunswick Saint John, Eastern Kentucky University, and Eckerd College), Summer 2014 – 2019, 2022

## **RESEARCH EXPERIENCE**

### Dolphin Communication Project

#### *Research Assistant*

*June 2012 – December 2020*

- Supported DCP director and Bimini research manager with video data analysis of captive bottlenose dolphins (*Tursiops truncatus*) from the Roatán Institute for Marine Sciences, Roatán, Honduras and wild Atlantic spotted dolphins (*Stenella frontalis*) from around Bimini, The Bahamas
- Assisted Bimini research manager with maintenance of DCP's digital photo-identification catalog of Bimini Atlantic spotted dolphins

*Research/Teaching Assistant*

*Summers 2014 – 2019*

- Assisted lead researcher with study of Atlantic spotted (*Stenella frontalis*) and bottlenose (*Tursiops truncatus*) dolphins around Bimini, Bahamas
- Helped lead researcher with university field courses, including teaching lectures, assembling student-collected data, and preparing meals
- Provided assistance during eco-tours, including acting as naturalist on-board to answer questions about Bimini, dolphin biology and animal behaviour

*Supervisory Research Intern*

*June 2013 – August 2013*

- Provided instruction to other research intern regarding proper video data analysis
- Supported DCP director with analysis of video/acoustic data collected from bottlenose dolphins (*Tursiops truncatus*) housed at the Roatán Institute for Marine Sciences, Roatán, Honduras
- Assisted Bimini research manager with study of Atlantic spotted (*Stenella frontalis*) and bottlenose (*Tursiops truncatus*) dolphins around Bimini, Bahamas
- Collected data using surface and underwater still photographic camera deployed from eco-tour vessels

**CONFERENCE PRESENTATIONS**

24th Biennial Conference on the Biology of Marine Mammals. 1 – 5 August, 2022. Palm Beach, FL. Danaher-Garcia, N., Connor, R., Fay, G., Melillo-Sweeting, K. & Dudzinski, K.M. Tactile exchanges, while accounting for group composition, between Atlantic spotted dolphins around Bimini, The Bahamas.

Animal Behavior Conference. 2 – 5 August, 2021. Virtual. Danaher-Garcia, N., Connor, R., Fay, G., Melillo-Sweeting, K. & Dudzinski, K.M. The merger of two dolphin societies: violating terrestrial mammal ‘norms.’

World Marine Mammal Conference. 9 – 12 December, 2019. Barcelona, Spain. Danaher-Garcia, N., Melillo-Sweeting, K. & Dudzinski, K.M. Long term bonds: Social structure of Atlantic spotted dolphins (*Stenella frontalis*) off Bimini, The Bahamas (2003-2016).

22nd Biennial Conference on the Biology of Marine Mammals. 22 – 27 October, 2017. Nova Scotia, Canada. Kaplan, J.D, Goodrich, S., Melillo-Sweeting, K, Danaher-Garcia, N, Reiss, D. Behavioural Laterality in Foraging Bottlenose Dolphins (*Tursiops truncatus*).

**ADDITIONAL SKILLS AND TRAINING**

Data and Computer Skills

- Proficient in data analysis, data wrangling, predictive analytics, social network analysis in R/RStudio
- Geographic Information Systems in ArcGIS and QGIS

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- Social network analysis in SocProg and UCINET
- Photo editing in Adobe Photoshop
- Behavioral sampling in BORIS

#### Languages

- Native: English and Spanish
- Intermediate: French and Italian
- Beginner: German

### **HONORS, AWARDS AND GRANTS**

- Teaching Assistantship, University of Massachusetts Dartmouth (2016 – 2020)
- Research Grant, Department of Biology, University of Massachusetts Dartmouth (2015, \$500; 2018, \$500)
- Rachel Carson Scholar, Duke University Marine Laboratory, Beaufort, NC (2010 - 2011)
- L.G. Balfour Foundation Scholarship, Bank of America (2007 - 2011)

### **MEMBERSHIPS & CERTIFICATIONS**

- Member, Society for Marine Mammalogy, 2016 – present
- Member, American Cetacean Society, 2016 – present
- Member, Animal Behavior Society, 2020 – present
- Comparative Cognition Society, 2021 – present
- SCUBA (PADI)

### **PRESS INTERVIEWS**

- Morell, V. “Dolphins make peace and love—not war—when they encounter strangers.” *Science Magazine*, 2 August, 2022. <https://www.science.org/content/article/dolphins-make-peace-and-love-not-war-when-they-encounter-strangers>
- Wilke, C. “Dolphin strangers met in the Bahamas. Things went swimmingly.” *The New York Times*, 6 August, 2022. <https://www.nytimes.com/2022/08/06/science/dolphins-bahamas-mixing.html#:~:text=In%202013%2C%20a%20group%20of,of%2012%20Atlantic%20s potted%20dolphins.>
- White, R. “Scientists have discovered two dolphin societies merged in rare alliance.” 2 August, 2022. <https://www.newsweek.com/scientists-discover-two-dolphin-societies-merged-rare-alliance-1730069>
- Delbecq, D. “Les dauphins ne rejettent pas les étrangers, ils les intègrent.” *Le Temps*, 8 August, 2022. <https://www.letemps.ch/sciences/dauphins-ne-rejettent-etrangere-integrent>
- Breaching Extinction Podcast: Merging for dolphin societies, 25 September, 2022.
- Dolphin Pod Podcast, Episode 22: Dolphins are unexpectedly tolerant of outsiders, 1 November, 2022.