

**Nicole Danaher-Garcia**  
Curriculum Vitae as of May 19, 2022

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**CONTACT INFORMATION**

School of Healthcare Leadership  
MGH Institute of Health Professions  
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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., Salvin, J., Tremoulet, P., Danaher-Garcia, N., Kumar, A., Laussen, P., White, B.A. (in prep) 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. (submitted to *Royal Society Open Science*—in review) The Partial Merger of Two Dolphin Societies: Violating terrestrial mammal ‘norms’.

Danaher-Garcia, N.A., Connor, R., Fay, G., Melillo Sweeting, K., Dudzinski, K.M. (submitted to *Behavioural Processes*—accepted pending revision) Using Social Network Analysis to Confirm the ‘Gambit of the Group’ Hypothesis for a Small Cetacean.

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*

- Data Analytics Toolkit I (DA620), MGHHP

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

- Advanced Statistical Modeling for Health Professions Education (HE902), MGHHP, Spring 2021 and 2022
- Statistics/Predictive Analytics for Health Professions Education (HE930), MGHHP, Summer 2021 and 2022

### *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**

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 and manipulation in R
- Geographic Information Systems in ArcGIS and QGIS
- 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)