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### **EDUCATION**

In progress **Duke University**, PhD, Biology  
Dissertation Topic: Echinoderm vision, ecology, and behavior  
Advisor: Dr. Sönke Johnsen  
2016 **UCLA**, MS, Biology  
Master's Thesis: *A Comparative Study of Sea Urchin Visual Ecology*  
Advisor: Dr. Malcolm Gordon  
2009 **UCLA**, BS, Marine Biology

### **PUBLICATIONS**

**Notar, JC**, Meja, B, and Johnsen, S (in review). A Living Shag Rug: Sea Urchin Spine Density Differences in the Context of Phylogeny and Ecology. *Integrative and Comparative Biology*.  
Gordon, MS and **Notar, JC** (2015). Can Systems Biology Separate Evolutionary Analogies (Convergent Homoplasies) From Homologies? *Progress in Biophysics and Molecular Biology*. 117 (2015), 19-29. doi: 10.1016/j.pbiomolbio.2015.01.005  
**Notar, JC** and Gessow, J (2009). Ecology of an intertidal leech: expanding the range of *Malmiana buthi*. Abstracts of the Annual Meeting of the Southern California Academy of Sciences. *Bulletin of the Southern California Academy of Sciences*. 108(2), 112. doi: 10.3160/0038-3872-108.2.70

### **GRANTS AND FELLOWSHIPS (SELECTED)**

2021 **Jo Rae Wright Fellowship for Outstanding Women in Science** (\$5,000), The Graduate School, Duke University  
2021 **International Dissertation Research Travel Award** (\$3,000), The Graduate School, Duke University  
2021 **Grant-in-Aid** (\$1,000), Biology Department, Duke University  
2020 **Grant-in-Aid** (\$1,000), Biology Department, Duke University  
2019 **Lerner-Gray Grant for Marine Research** (\$3,106), Richard Gilder Graduate School, American Museum of Natural History  
2019 **Grant-in-Aid** (\$1,000), Biology Department, Duke University  
2018 **Graduate Student Training Enhancement Grant** (\$3,332), Office of the Vice Provost for Interdisciplinary Studies, Duke University  
2018 **Grant-in-Aid of Research** (\$700), Sigma Xi Society  
2017-21 **NDSEG Fellowship** (\$153,000), Air Force Office of Scientific Research, US Department of Defense  
2017 **Robert L. Fernald Endowed Fellowship** (\$3,500), Friday Harbor Laboratories, University of Washington

2015     **Research/Travel Award** (\$2,000), Department of Ecology and Evolutionary Biology, UCLA

#### **HONORS AND AWARDS**

2021     **Honorable Mention, Mary Price Award for Best Student Presentation**  
Division of Invertebrate Zoology, Society for Integrative and Comparative Biology  
Annual Virtual Meeting

2020     **2<sup>nd</sup> Place Lightning Talk**  
Duke VisionFest 2020, Duke University

2019     **Dean's Award for Inclusive Excellence in Graduate Education**, as a member of the Biology Department's **Graduate Student IDEA Committee**, on behalf of the Ph.D. Program in Biology  
The Graduate School, Duke University

2016     **1<sup>st</sup> Place Graduate Student poster**  
19<sup>th</sup> Annual Biology Research Symposium, Department of Ecology and Evolutionary Biology, UCLA

2015     **Schechtman Teaching Award** for Outstanding Merit in Instruction  
Department of Ecology and Evolutionary Biology, UCLA

#### **RESEARCH POSITIONS**

2015     **Graduate Student Researcher**  
Gordon Laboratory, Department of Ecology and Evolutionary Biology, UCLA

2014     **Research Assistant**  
Gordon Laboratory, Department of Ecology and Evolutionary Biology, UCLA

2010-13   **Whale Photo ID Intern and Volunteer Researcher**  
Aquarium of the Pacific, Long Beach, CA

2010     **Research Assistant**  
Shipe Laboratory, Department of Ecology and Evolutionary Biology, UCLA

#### **FIRST-AUTHOR PRESENTATIONS (SELECTED)**

(\* = POSTER)

2022     *Training Animals Without Brains: Brittle Stars Exhibit Associative Learning*  
**Notar, JC**, Go, M, and Johnsen, S  
Society for Integrative and Comparative Biology Annual Virtual Meeting

2021     *A Living Shag Rug: Sea Urchin Spine Density Differs by Habitat and has Consequences for Vision*  
**Notar, JC**, Meja, B, and Johnsen, S  
Society for Integrative and Comparative Biology Annual Virtual Meeting  
*Honorable Mention, Mary Price Award for Best Student Presentation, Division of Invertebrate Zoology*

2020     *Trends in Spatial Acuity Across the Sea Urchins\**  
**Notar, JC** and Johnsen, S  
Society for Integrative and Comparative Biology Annual Meeting, Austin, TX

- 2020 *Sea Urchins: Sight Without Eyes*  
**Notar, JC**  
 Duke VisionFest 2020, Duke University, Durham, NC  
*Second place, Lightning Talk Competition*
- 2019 *Sea Urchin Vision in Featureless vs. Spatially Complex Environments*  
**Notar, JC** and Johnsen, S  
 Society for Integrative and Comparative Biology Annual Meeting, Tampa, FL
- 2018 *Seeing without eyes: Exploring the visual ecology of sea urchins*  
**Notar, JC**  
 Invited seminar, Whitney Laboratory for Marine Bioscience, University of Florida, St. Augustine, FL
- 2018 *Do (Eyeless) Sea Urchins have Color Vision?*  
**Notar, JC** and Johnsen, S  
 Society for Integrative and Comparative Biology Annual Meeting, San Francisco, CA
- 2017 *Future Directions in the Whole Body Eye of Sea Urchins: Effects of Phylogeny, Light Intensity, and Spine Density*  
**Notar, JC** and Gordon, MS  
 Society for Integrative and Comparative Biology Annual Meeting, New Orleans, LA
- 2016 *A Comparative Study of Sea Urchin Visual Ecology\**  
**Notar, JC** and Gordon, MS  
 19<sup>th</sup> Annual Biology Research Symposium, Department of Ecology and Evolutionary Biology, UCLA  
*1st Place, Graduate Student Poster*
- 2016 *A Comparative Study of Sea Urchin Visual Ecology\**  
**Notar, JC** and Gordon, MS  
 Society for Integrative and Comparative Biology Annual Meeting, Portland, OR

#### **CO-AUTHORED CONFERENCE ABSTRACTS**

(\* = UNDERGRADUATE MENTEE)

- 2021 *Insects go with flow: A mathematical model of induced flow and cooling during flight*  
 Meja, B\*, **Notar, JC**, and Johnsen, S  
 Society for Integrative and Comparative Biology Virtual Annual Meeting
- 2020 *Associative learning in the brittle star Ophioderma brevispinum*  
 Go, M\*, **Notar, JC**, and Johnsen, S  
 Society for Integrative and Comparative Biology Annual Meeting, Austin, TX

#### **TEACHING EXPERIENCE (SELECTED)**

- 2019-Present **Certificate in College Teaching Program**  
 Duke University
- 2018 **Guest Lecture:** *Answering Biological Questions Using Circular Data and Analysis in R*  
 Duke Data Expedition, Information Initiative @ Duke, Duke University

2012-16, 2022 **Graduate Teaching Assistant, Teaching Associate**

Biology Department, Duke University<sup>1</sup>

Department of Ecology and Evolutionary Biology, UCLA<sup>2</sup>

Department of Integrative Biology and Physiology, UCLA<sup>3</sup>

Courses include: Genetics & Evolution<sup>1</sup>, Animal Environmental Physiology<sup>2</sup>, Biology of Vertebrates<sup>2</sup>, Biology of Invertebrates<sup>2</sup>, Experimental Marine Invertebrate Biology<sup>2</sup>, Biology of Marine Tetrapods<sup>2</sup>, Field Marine Ecology<sup>2</sup>, Living Ocean<sup>2</sup>, Introduction to Ecology & Behavior<sup>2</sup>, Biology of Marine Tetrapods<sup>2</sup>, Advanced Experimental Statistics<sup>3</sup>

### **MENTORSHIP (SELECTED)**

2021-Present **Trinity College Peer Mentoring Fellow**

Duke Interdisciplinary Studies, Duke University

2017 **Women in Science and Engineering Graduate Mentor**

Biology Department, Duke University

2015-Present **Graduate Student Advisor** to undergraduate lab mentees

Biology Department, Duke University

Department of Ecology and Evolutionary Biology, UCLA

### **SERVICE (SELECTED)**

2020-21 **Graduate Student Representative** on the faculty **AJED (Action for Justice, Equity, and Diversity) Committee**

Biology Department, Duke University

2019-20 **Graduate Student Representative** on the faculty **Task Force on Graduate Admissions and Recruitment**

Biology Department, Duke University

2016-21 **IDEA (Inclusion, Diversity, Equity, & Anti-Racism) Committee**

Biology Department, Duke University

2016-Present **Dive Control Board**

Duke University

### **OUTREACH AND SCIENCE COMMUNICATION (SELECTED)**

2018-19 **Exhibiting Scientist**

Art of a Scientist, Duke University

2016-17 **Educator Outreach Liaison**

Scientific Research and Education Network (SciREN) Triangle, Durham, NC

### **PROFESSIONAL SOCIETIES**

Society for Integrative and Comparative Biology (SICB), Animal Behavior Society (ABS), Sigma Xi

### **LANGUAGES**

**English** (native), **Spanish** (intermediate)