

**Juanita Pardo Sanchez**  
Ann Arbor, MI | jpardos@umich.edu

### **Education**

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<b>PhD in Ecology and Evolutionary Biology, University of Michigan</b>	2021-Current
Ann Arbor, Michigan	
Advisor: Elizabeth Tibbetts	
<b>M. S. in Ecology and Evolutionary Biology, University of Michigan</b>	2021
Frontiers Program	
Ann Arbor, Michigan	
Advisor: Elizabeth Tibbetts	
<b>B. S. in Biology, Georgia Institute of Technology (Georgia Tech), Atlanta, Georgia</b>	2019
Minor in Health and Medical Sciences	

### **Awards and Fellowships**

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NIH Genetics Training Program	2022-Present
NSF Graduate Research Fellowship – Honorable Mention	2021
Rackham Merit Fellowship	2019-2021
Zell Miller Scholarship	2015-2019
Dean's List	2015-2019
ACC Academic Honor Roll	2015-2018

### **Grants**

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Dr. Nancy Williams Walls Award for Field Research (\$1578)
Dr. Nancy Williams Walls Award for Field Research (\$1074)
Evolution and Human Adaptation Program Research Grant (\$1000)
Dr. Nancy Williams Walls Award for Field Research (\$1692)
President's Undergraduate Research Award Conference Travel Grant (\$500)
Student Government Association Conference Travel Grant (\$250)
College of Sciences Conference Travel Grant (\$250)

### **Teaching Experience**

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Graduate Student Instructor – <i>Animal Behavior</i> , University of Michigan Winter 2022
Graduate Student Mentor – <i>Supervised Teaching</i> , University of Michigan Fall 2020
Graduate Student Instructor – <i>General Biology Lab</i> , University of Michigan Fall 2020
Graduate Student Instructor – <i>General Biology Lab</i> , University of Michigan Winter 2020
Graduate Student Instructor – <i>General Biology Lab</i> , University of Michigan Fall 2019

### **Research Experience**

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<b>University of Michigan, Ecology and Evolutionary Biology</b>	2019-Present
PI: Dr. Elizabeth Tibbetts	
<ul style="list-style-type: none"> <li>Investigating the development and evolution of cognition in <i>Polistes fuscatus</i></li> <li>Investigating the causes and consequences of variation in holistic processing in <i>Polistes fuscatus</i></li> <li>Determining the environmental factors that explain changes in body size for native and invasive <i>Polistes</i> species in Michigan</li> </ul>	

**Georgia Institute of Technology, School of Biological Sciences** 5/2018-2019

PI: Dr. Emily Weigel

- Investigated the effects of social context in learning outcomes
- Analyzed the testing behaviors of students enrolled in an introductory biology class

**Georgia Institute of Technology, School of Biological Sciences** 5/2018-2019

PI: Dr. Joe Mendelson III

Atlanta, Georgia, USA

- Investigated the cognitive abilities of *Terrapene carolina carolina*
- Analyzed the cognitive skills and spatial use of *Crotalus cerastes*

**Georgia Institute of Technology & Zoo Atlanta** 1/2018-4/2018

PI: Dr. Joe Mendelson III &amp; Dr. Emily Weigel

Atlanta, Georgia, USA

- Investigated social learning within adult meerkats from different social groups
- Presented meerkats with puzzle feeders and timed how long the meerkats would take to solve the puzzles before and after watching another individual

**Georgia Institute of Technology, School of Biological Sciences** 8/2016-5/2017

PI: Dr. Young Jang

Atlanta, Georgia, USA

- Studied the effects of protein degradation on SOD2/GAPDH in mice muscle with a focus towards its effects on aging and muscular dystrophy in a team of two other undergraduates

**Publications**

1. **Pardo-Sanchez, J.**, Kou, N. & Tibbetts, E.A. Type and amount of social experience influences individual face learning in paper wasps. *Behav Ecol Sociobiol* 76, 148 (2022). <https://doi.org/10.1007/s00265-022-03257-8>
2. **Pardo-Sanchez, J.**, Tibbetts, E.A. Social experience drives the development of holistic face processing in paper wasps. *Anim Cogn* (2022). <https://doi.org/10.1007/s10071-022-01666-w>
3. Tibbetts, E. A., **Pardo-Sanchez, J.**, & Weise, C. (2022). The establishment and maintenance of dominance hierarchies. *Phil. Trans. R. Soc. B*, 377: 20200450.
4. Tibbetts, E. A., **Pardo-Sanchez, J.**, Ramirez-Matias, J., & Avarguès-Weber, A. (2021). Individual recognition is associated with holistic face processing in *Polistes* paper wasps in a species-specific way. *Proceedings. Biological Sciences*, 288(1943), 20203010.
5. Cooper, T. L., Zabinski, C. L., Adams, E. J., Berry, S. M., **Pardo-Sanchez, J.**, Reinhardt, E. M., Roberts, K. M., Watzek, J., Brosnan, S. F., Hill, R. L., Weigel, E. G., & Mendelson, J. R. (2020). Long-term Memory of a Complex Foraging Task in Monitor Lizards (Reptilia: Squamata: Varanidae). *Journal of Herpetology*, 54(3), 378–383.

**Presentations**

1. **Pardo-Sanchez, J.** & Tibbetts, E.A. (2022). Familiarity and Social Experience Influence Holistic Face Processing in Paper Wasps. Animal Behavior Society Conference. Poster. 07/20/2022.

2. **Pardo-Sanchez, J.** & Tibbetts, E.A. (2021). Development of Holistic Face Processing in Paper Wasps. Animal Behavior Society Conference. Virtual Talk. 07/22/2021.
3. **Pardo-Sanchez, J.** & Tibbetts, E.A. (2021). Development of Holistic Face Processing in Paper Wasps. Comparative Cognition Conference. Virtual Talk. 03/22/2021.
4. **Pardo-Sanchez, J.**, Kuo, N., Tibbetts, E.A. (2020). Social Experience Influences the Development of Individual Recognition in *Polistes fuscatus* Wasps. Animal Behavior Society Conference. Virtual Talk. 07/25/2020.
5. **Pardo-Sanchez, J.** & Weigel, E. (2018). Performance, Prediction, and Preparedness: Do Biology-Major-Specific Courses Provide An Advantage. National Association of Biology Teachers Conference. Poster Presentation. San Diego, California. 11/10/2018.
6. **Pardo-Sanchez, J.**, Cooper, T., Berry, S., & Mendelson III, J., (2018). Investigating the Quantitative and Numerical Discrimination Cognitive Abilities of Eastern Box Turtles. REU Poster Symposium. Poster Presentation. Atlanta, Georgia. 7/25/2018.
7. **Pardo-Sanchez, J.**, Gollnick, H., Collins, K. & Stewart, R. (2018). Absence of Social Learning of Foraging Behavior Amongst the Meerkat Community at Zoo Atlanta. Senior Research Symposium. Poster Presentation. Atlanta, Georgia. 4/19/2018.

### **Professional Societies**

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SACNAS – Society for Advancement of Chicanos/Hispanics and Native Americans in Science

ABS – Animal Behavior Society

CCS – Comparative Cognition Society

### **Service and Outreach**

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FEMMES (Women+ Excelling More in Math, Engineering, and the Sciences)

- Grants Manager
- Plan and run three different programs for elementary, middle, and high school students for free twice a year
- Programs include hands-on science activities, meeting different scientists, and help applying to colleges
- Apply for funding to cover our \$5000+ annual expenses

MI DNA Day

- Teach high schoolers about DNA through a forensic science lesson

Feria de Ciencias

- Teach about DNA to kindergarten to middle school students in Spanish