

Juanita Pardo Sanchez

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Summary

Detail-oriented scientist with 8 years of experience in experimental design, data analysis, and publication writing. Adept at working collaboratively, thinking critically, and addressing complex problems using data science. Seeking to transition into a data analytical role to apply critical thinking skills to complex real-world problems.

Education

University of Michigan

Ann Arbor, Michigan

Ph.D, Ecology and Evolutionary Biology

Dec. 2025

- NIH Genetics Training Program Fellow, NSF Graduate Research Fellowship Honorable Mention, Rackham Merit Fellow

M.S., Ecology and Evolutionary Biology

April 2021

- Rackham Merit Fellow

Georgia Institute of Technology

Atlanta, Georgia

B.S., Biology with High Honors

May 2019

- Minor in Health and Medical Sciences
- Division One Track and Field & Cross Country, Zell Miller Scholarship (full tuition scholarship)

Skills

- **Technical Skills**
 - R, Python, SQL, Microsoft Office, Google Sheets
- **Project Management Skills**
 - Cross-functional collaboration including experience with international teams
 - Leadership via executive board position for FEMMES and ECBAL
 - Effective mentor of three undergraduates through completion of successful honors theses
 - Adept at engaging stakeholders through Agile change management
- **Languages:** English (fluent), Spanish (fluent), French (read, write, speak with high proficiency)

Relevant Experience

University of Michigan

Ann Arbor, Michigan

Graduate Student Research Assistant, Tibbetts Lab

Sept. 2019 – Dec. 2025

- Created R scripts to analyze experimental data using machine learning models and visualized results for publications and conference presentations
- Created machine learning models in Python to automate data collection from micro-computed (CT) scans
- Authored several publications (five as lead author) and presented at five external conferences
- Developed and executed studies on cognition using experimental methods such as behavioral experiments, micro computed tomography (CT) scanning, genetic analysis, and chemical analysis
- Secured over \$6,500 through grants to support research and \$150,000 in academic fellowships
- Managed multiple concurrent projects and collaboration with a team with five researchers
- Ensured three team members had consistent progress and professional growth through weekly check-ins and personalized development plans. Each team member successfully completed an honors thesis

Merck

North Wales, Pennsylvania

Global Pharmacovigilance Case Management Intern

June 2025 – August 2025

- Developed a website with AI integrated that highlights discrepancies between documents for adverse event reporting
- Optimized case management workflow by 40% for over 500 people
- Created an R Shiny app to facilitate data transfers after acquisitions
- Developed and quantified metrics to assess success of AI tool
- Collaborated and trained international teams based in Colombia, China, Poland, and Costa Rica

Georgia Institute of Technology

Research Assistant, Multiple Laboratories

Atlanta, Georgia

Jan. 2018 - May 2019

- Leveraged R to analyze survey and behavioral data using linear mixed effects models and visualized results for three publications
- Authored three manuscripts (one as lead author) and presented at three external conferences
- Secured \$1000 through grant applications to attend conferences
- Designed and executed studies on factors affecting success in teaching college biology and on animal cognition at Zoo Atlanta

Teaching and Leadership Experience

Females Excelling More in Math, Engineering, and Sciences (FEMMES)

Ann Arbor, Michigan

Vice President & Grants Manager

Jan. 2020 – Dec. 2024

- Served on the executive board to help coordinate six events per year to teach underrepresented girls about STEM with over 300 students in attendance
- Created and presented science modules to 8th graders about my research
- Successfully applied for over \$18k in funding to allow our events to ensure programs were free to participants

Exploring Careers Beyond Academia and Lunch (ECBAL)

Ann Arbor, Michigan

Lead Organizer

Sept. 2023 – Dec. 2025

- Coordinated monthly seminar series where alumni spoke to graduate students about their non-academic jobs
- Held 8 seminars in the inaugural year with 160 people in attendance total

University of Michigan

Ann Arbor, Michigan

Graduate Student Instructor

Sept. 2019 – Apr. 2022

- Highly-rated instructor across undergraduate courses
- Taught and coordinated courses in introductory biology and introductory animal behavior that served 100+ total undergraduate students each semester
- Wrote and presented lectures, two days a week for seven weeks, to teach basic molecular biology, ecology, evolution, and behavior

Selected Publications

- **Pardo-Sanchez, J.**, Vi, A. N., Corcoran, F., Kimber, W., Caldwell, J., & Tibbetts, E. The effects of social and foraging experiences across cognitive domains in *Polistes fuscatus*. *Animal Behavior*. (accepted).
- Tibbetts, E. A., Weise, C., **Pardo-Sanchez, J.**, & Vi, A. N. (2025). Individual recognition is associated with viewpoint-independent face recognition in a species-specific way. *Proceedings of the Royal Society B: Biological Sciences*, 292(2056), 20252045.
- **Pardo-Sanchez, J.**, Moon, S. E., & Tibbetts, E. A. (2025). Geographic differences in individual recognition linked with social but not nonsocial cognition. *Behavioral Ecology*, 36(4).
- Tibbetts, E. A., Weise, C., **Pardo-Sanchez, J.**, & Vi, A. N. (2024). Viewpoint-independent face recognition via extrapolation in paper wasps. *Journal of Experimental Biology*, 227(17), jeb247661.
- Collard, M., **Pardo-Sanchez, J.**, & Tibbetts, E. A. (2024). No sensitive period for the development of individual face learning in polistes fuscatus wasps. *Behavioral Ecology and Sociobiology*, 78(11), 109.
- **Pardo-Sanchez, J.**, Taylor, A., Weigel, E. G., & Mendelson, J. R. (2023). A study of individual differences in spatial use of captive sidewinder rattlesnakes *Crotalus cerastes*. *The Herpetological Bulletin*, 164, 13–17.
- **Pardo-Sanchez, J.**, Kou, N., & Tibbetts, E. A. (2022). Type and amount of social experience influences individual face learning in paper wasps. *Behavioral Ecology and Sociobiology*, 76(11), 148.
- **Pardo-Sanchez, J.**, & Tibbetts, E. A. (2022). Social experience drives the development of holistic face processing in paper wasps. *Animal Cognition*.
- Tibbetts, E. A., **Pardo-Sanchez, J.**, & Weise, C. (2022). The establishment and maintenance of dominance hierarchies. *Philosophical Transactions of the Royal Society B: Biological Sciences*, 377(1845), 20200450.
- 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), 20203010–20203010.