

**Beatriz Otero Jiménez**

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**EDUCATION**

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|-----------------|--|
| 2011            | <b>Bachelor of Science, Environmental Sciences,</b><br>University Puerto Rico- Río Piedras, San Juan, Puerto Rico.<br><b>2<sup>ND</sup> Major, Integrative Biology,</b><br>University Puerto Rico- Río Piedras, San Juan, Puerto Rico. |
| 2013            | <b>Masters of Science, Ecology and Evolutionary Biology,</b><br>University of Michigan, Ann Arbor, MI, USA   |
| 2013 to present | <b>Doctor of Philosophy, Ecology and Evolutionary Biology,</b><br>University of Michigan, Ann Arbor, MI, USA   |

**AWARDS AND FELLOWSHIPS**

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| 2009         | Undergraduate Mentoring in Environmental Biology, National Science Foundation. University of Puerto Rico, Río Piedras. |
| 2011         | Ecological Society of America Annual Meeting Travel Award  |
| 2012         | Rackham International Research Award, University of Michigan (Support for Master's Thesis)                             |
| 2013         | Rackham Merit Fellowship, University of Michigan.  |
| 2013 to 2015 | Michigan Predoctoral Training Program in Genetics  |
| 2015         | NASA MSU Professional Enhancement Award  |
| 2016         | Hinsdale & Walker Scholarship, University of Michigan, Museum of Zoology   |
| 2016 to 2019 | Gilliam Fellowships for Advanced Study, Howard Hughes Medical Institute  |
| 2017         | Theodore Roosevelt Memorial Research Fund, American Museum of Natural History  |
| 2017         | Hinsdale & Walker Scholarship, University of Michigan, Museum of Zoology   |

**GRANTS**

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|---------------|---|
| 2012 to 2014  | Department of Ecology and Evolutionary Biology Research Block Grant, University of Michigan, Ann Arbor, MI, USA |
| 2014 and 2016 | Rackham Graduate Student Research Grant   |
| 2015          | Grants-In-Aid of Research, American Society of Mammalogists   |
| 2015          | Tinker Research Grant, Center for Latin American and Caribbean Studies, University of Michigan                  |

2016	Rackham Graduate Student Research Grant
2017	Rufford Foundation Small Grant
2018	Department of Ecology and Evolutionary Biology Research Block Grant, University of Michigan, Ann Arbor, MI, USA

## TEACHING EXPERIENCE

2011 to 2013	Graduate Student Instructor (GSI) Introductory Biology Laboratory (BIO 173) College of Literature, Science and Art, University of Michigan Ann Arbor
2017	Graduate Student Instructor (GSI) Energy, Food and Environmental Justice (BIO 101) College of Literature, Science and Art, University of Michigan Ann Arbor
2017	Engaged Pedagogy Initiative Fellow Community-Engaged Academic Learning, University of Michigan

## RESEARCH EXPERIENCE

2007 to 2011	Puerto Rico Louis Stokes Alliance for Minority Participation (PRLSAMP) Mentored Undergraduate Research, University of Puerto Rico, Río Piedras, San Juan, Puerto Rico. Research experience at the Automated Remote Biodiversity Monitoring Network (ARBIMON) laboratory with professor T.M. Aide.
2009 to 2010	Institute of Tropical Ecosystems Studies (ITES) NSF - Undergraduate Mentoring in Environmental Biology (UMEB), University of Puerto Rico, Río Piedras, San Juan, Puerto Rico. Worked in the development of an independent research project titled: <i>Effect of land-use history on the recovery of bird and amphibian communities in Puerto Rico</i> , under the mentoring of T.M. Aide and A. Ramirez
2010	Organization for Tropical Studies (OTS) - Research Experience for Undergraduates (REU), La Selva Biological Station, Costa Rica. Worked in the creation and execution of a research project titled: <i>Landscape Resistance to Dispersal of a Common Poison Frog in the Lowlands of Northeastern Costa Rica</i> , under the mentoring of A.J. Nowakowski.
2011 to 2013	Masters Research, University of Michigan Department of Ecology and Evolutionary Biology. <i>Effects of coffee management on the population structure of a common forest rodent (Heteromys desmarestianus)</i> , Co-advised by: John Vandermeer and Priscilla Tucker

2013 to present      Doctoral Research, University of Michigan Department of Ecology and Evolutionary Biology.  
*Effect of matrix composition in agroecosystems: assessing population structure in small mammals*, Co-advised by: John Vandermeer and Priscilla Tucker

## PUBLICATIONS

- 2012      Nowakowski, A. J., **Otero Jiménez, B.**, Allen, M., Diaz-Escobar, M., Donnelly, M. A. (2012), Landscape resistance to movement of the poison frog, *Oophaga pumilio*, in the lowlands of northeastern Costa Rica. Animal Conservation.
- 2017      **Otero Jiménez, B.**, Vandermeer, J., Tucker P.K. 2017. Effect of coffee agriculture management on the population structure of a forest dwelling rodent (*Heteromys desmarestianus goldmani*). *In press*. Conservation Genetics.

## PRESENTATIONS AND WORKSHOPS

- 2011      Ecological Society of America (ESA) Annual Meeting Austin, TX  
Poster presentation: *Landscape Resistance to Dispersal of a Common Poison Frog in the Lowlands of Northeastern Costa Rica*
- 2012      Ecological Society of America (ESA) Annual Meeting Portland, OR  
Poster presentation: *Effects of accelerated succession on the saproxylic beetle community*.
- 2013      Ecological Society of America (ESA) Annual Meeting Minneapolis, MN  
Oral presentation: *Effect of matrix composition in agroecosystems: assessing population structure in Heteromys mice*.
- 2014      Landscape Genetics Spring School, University Göttingen, Germany  
Poster presentation: *Effect of matrix composition in agroecosystems: assessing population structure in Heteromys mice*.
- 2015      Ecological Society of America (ESA) Annual Meeting Baltimore, MD  
Oral presentation: *Effects of coffee agroecosystem management on the population structure and dispersal of a tropical forest rodent (Heteromys desmarestianus)*
- 2015      International Meeting International Association for Landscape Ecology (IALE) Portland, OR  
S46 Landscape Genetics Across Space and Time: Contributions of Molecular-Genetic Approaches to Landscape-Ecological Applications

- Oral Presentation: *Effects of agricultural intensification on the population structure Heteromys desmarestianus*
- 2016 Landscape Genetics Synthesis Meeting, Coeur d'Alene, ID  
Poster Presentation: *Landscape characteristics affecting Heteromys desmarestianus population structure and connectivity*
- 2016 Association for Tropical Biology and Conservation Montpellier, France  
Poster Presentation: *Understanding the effects of coffee management intensity on the dispersal and connectivity of a tropical small mammal*
- 2016 HHMI Gilliam Fellowship Annual Meeting, Chevy Chase, MD  
Poster Presentation: *Effects of coffee management intensity on the dispersal and connectivity of a tropical small mammal*
- 2017 Association for Tropical Biology and Conservation Merida, Mexico  
Oral Presentation: *Landscape drivers of dispersal for a tropical small mammal in coffee farms*
- 2017 Ecological Society of America (ESA) Annual Meeting Portland, OR  
Oral Presentation: *Of mice and coffee: Identifying landscape drivers of dispersal for a tropical small mammal in coffee farms*
- 2017 HHMI Gilliam Fellowship Annual Meeting, Chevy Chase, MD  
Poster Presentation: *Identifying landscape drivers of dispersal for a tropical small mammal in coffee farms*
- 2018 International Association for Landscape Ecology US Chapter Annual Meeting, Chicago, IL  
Poster Presentation: *Landscape Drivers of Population Structure of a Forest Rodent in a Coffee Agroecosystem*
- 2018 Ecological Society of America, Annual Meeting New Orleans, LA  
Organized Oral Session: *Landscape Genetics: Interdisciplinary Approach to Understanding the Intersection between Landscape Ecology and Population Genetics* - Co-organizer and Moderator
- 2018 HHMI Gilliam Fellowship Annual Meeting, Ashburn, VA  
Poster Presentation: Exploring the population structure of two small mammals (*H. goldmani* and *P. gymnotis*) in coffee farms using restriction site-associated DNA sequencing

## PROFESSIONAL SOCIETIES

- 2006 to 2011 Member of the Puerto Rico Louis Stokes Alliance for Minority Participation (PR-LSAMP)

2007 to present	Strategies for Ecology Education, Diversity and Sustainability (SEEDS) Alumni Member and Mentor
2008 to present	Ecological Society of America (ESA)
2011 to present	Alliance for Graduate Education and the Professoriate (AGEP) at the University of Michigan, Ann Arbor
2014 to present	American Society of Mammalogists
2014 to present	International Association for Landscape Ecology
2017 to present	Society for Conservation Biology

## **SERVICE AND OUTREACH**

2006 to present	Strategies for Ecological Education, Diversity and Sustainability (SEEDS) Educational program of the Ecological Society of America – Mentor
2013 to present	Females Excelling More in Math, Engineering and the Sciences (FEMMES), University of Michigan Chapter Executive Committee Member: Outreach Coordinator
2014 to 2017	Diversity Committee, Department of Ecology and Evolutionary Biology, University of Michigan
2017 to 2018	Graduate Affairs Committee, Department of Ecology and Evolutionary Biology, University of Michigan
2016 to present	Michigan DNA Day Executive Committee Member: Recruitment Coordinator