

# PRISCILLA A. SAN JUAN

371 Serra Mall Stanford, CA 94305  
(562) 712-5779  
[psanjuan@stanford.edu](mailto:psanjuan@stanford.edu)

## EDUCATION

---

- 2016-present **Stanford University**  
Advisor: Tadashi Fukami  
PhD candidate in Biology (Ecology/Evolution)
- 2014-2016 **University of California, Irvine**  
Bachelor of Arts Environmental Science; Minor Global Sustainability
- 2011-2014 **Fullerton College**  
Associate of Arts Biology

## RESEARCH EXPERIENCE

---

- 2016-present **Stanford University**  
Graduate student researcher, Advisor: Tadashi Fukami  
Department of Biology  
Dissertation title: Processes that shape the avian gut microbiome
- 2016-2015 **University of California, Irvine**  
Undergraduate student researcher, Advisor: Donovan German  
Department of Ecology and Evolution  
Digestive physiology of invasive fish species: *Pterygoplichthys disjunctivus* (Catfish) and *Oreochromis niloticus* (Tilapia) to determine nutritional competition
- 2015 **King's College London, United Kingdom**  
Summer student researcher, Advisor: Stephen Sturzenbaum  
Analytical and Environmental Science Division  
The auxiliary effects of perchlorate exposure in nematode model *Caenorhabditis elegans*
- 2014-2015 **University of California, Irvine**  
Undergraduate student researcher, Advisor: Luis Mota-Bravo  
Department of Ecology and Evolution  
Antibiotic resistance genes in environmental bacterial isolates
- 2013 **Jet Propulsion Laboratory**  
Researcher, Science Advisor: Cathleen Jones  
Radar Science and Engineering  
Levee health assessment utilizing NASA's Uninhabited aerial vehicle synthetic aperture radar (UAVSAR) data coupled with geoprocessing tool ArcGIS

## PUBLICATIONS

---

San Juan, P. A., Hendershot, J. N., Daily, G. C., and Fukami, T. 2020. Land-use change has host-specific influences on avian gut microbiomes. *The ISME Journal* **14**, 318-321.

Smith, J. R., Letten, A. D., Ke, P. J., Anderson, C. B., Hendershot, J. N., Dhami, M. K., Dlott, G. A., Grainger, T. N., Howard, M. E., Morrison, B. M. L., Routh, D., **San Juan, P.**, Mooney, H. A., Mordecai, E. A., Crowther, T. W., and Daily, G. C. 2018. A global test of ecoregions. *Nature Ecology and Evolution* **2**, 1889-1896.

## PROFESSIONAL MEETINGS

---

San Juan, P. eDNA: a molecular tool for biodiversity monitoring, Oral Presentation at: Workshop for Ecosystem and Biodiversity Monitoring and Assessment; 2018 December; Beijing, China.

San Juan, P. A., Hendershot, J. N., Daily, G. C., and Fukami, T. Response of bird gut microbiomes to insect diet composition across land use, Oral Presentation at: Conference of Ford Fellows; 2018 October; Irvine, CA.

San Juan, P. A., Hendershot, J. N., Daily, G. C., and Fukami, T. Response of bird gut microbiomes to insect diet composition across land use, Oral Presentation at: Ecological Society of America (ESA) Annual Meeting; 2018 August; New Orleans, LA.

San Juan, P. A., Hendershot, J. N., Daily, G. C., and Fukami, T. Response of avian gut microbiome composition to land use change in a countryside landscape in Costa Rica, Poster Presentation at: Society for Integrative and Comparative Biology (SICB) Annual Meeting; 2018 January; San Francisco, CA.

San Juan, P. A., Hendershot, J. N., Daily, G. C., and Fukami, T. Response of avian gut microbiome composition to land use change in a countryside landscape in Costa Rica, Poster Presentation at: Third Annual Microbiome Summit; 2017 October; Stanford, CA.

San Juan, P. A., Hendershot, J. N., Daily, G. C., and Fukami, T. Response of avian gut microbiome composition to land use change in a countryside landscape in Costa Rica, Oral Presentation at: Ecological Society of America (ESA) Annual Meeting; 2017 August; Portland, OR.

San Juan, P. A., Tatarenkov, A., and Mota-Bravo, L. Antibiotic resistant genes in integrons from environmental Enterobacteriaceae. Poster presented at: Society for Advancement of Hispanics/Chicanos and Native Americans in Science (SACNAS) Conference; 2015 October; Washington D.C.

San Juan, P. A., Al-Saleh, S., and Sturzenbaum, S. R. The effects of perchlorate exposure on growth and lipid metabolism in the model nematode *Caenorhabditis elegans*. Poster presented at: Sigma Xi Annual Meeting & Student Research Conference; 2015 October; Kansas City, MO.

San Juan, P. A., Tatarenkov, A., and Mota-Bravo, L. Integrons in Enterobacteriaceae from surface waters. Poster presented at: American Association for the Advancement of Science (AAAS) Conference; 2015 February; San Jose, CA.

San Juan, P. A., Tatarenkov, A., and Mota-Bravo, L. Characterization of Integrons present in environmental Enterobacteriaceae isolates. Poster presented at: Annual Biomedical Research Conference for Minority Students (ABRCMS); 2014 November; San Antonio, TX.

## OTHER PRESENTATIONS

---

San Juan, P. A., Castro, I., and Dhimi, M. K. Captivity and disease history shape the Brown Kiwi (*Apteryx mantelli*) microbiome, Oral Presentation at Surf N Turf Symposium; 2019 October; Pacific Grove, CA.

San Juan, P. A., Castro, I., and Dhimi, M. K. Captivity and disease history shape the Brown Kiwi (*Apteryx mantelli*) microbiome, Oral Presentation at: Bug Club Lightning Talks event; 2019 July; Stanford, CA.

San Juan, P. A., Castro, I., and Dhimi, M. K. Captivity and disease history shape the Brown Kiwi (*Apteryx mantelli*) microbiome, Oral Presentation at: Manaaki Whenua Landcare Research; 2019 June; Lincoln, New Zealand.

San Juan, P. A. Processes that shape the gut microbiome, Oral Presentation at: Eco/Evo Lunch Seminar; 2018 October; Stanford, CA.

San Juan, P. A., Hendershot, J. N., Daily, G. C., and Fukami, T. Response of avian gut microbiome composition to land use change in a countryside landscape in Costa Rica, Oral Presentation at: Advanced Seminar in Microbial Molecular Biology; 2017 September; Stanford, CA.

San Juan, P. A. and German, D. Understanding the roles of invasive fish species *Pterygoplichthys disjunctivus* and *Oreochromis niloticus*: the gut's perspective. Oral presentation at: Undergraduate Research Opportunities Program (UROP) Symposium; 2016 May; Irvine, CA.

San Juan, P. A., Al-Saleh, S., and Sturzenbaum, S. R. The effects of perchlorate exposure on growth and lipid metabolism in the model nematode *Caenorhabditis elegans*. Oral presentation at: Minority Science Program Symposium; 2015 September; Irvine, CA.

San Juan, P. A., Tatarenkov, A., and Mota-Bravo, L. Characterization of Integrons present in environmental Enterobacteriaceae isolates. Oral presentation at: Minority Science Program Symposium; 2014 September; Irvine, CA.

San Juan, P. Heavy Metal Contamination in Marine Mammals. Poster presented at: Fullerton College Student Research Symposium; 2013 May; Fullerton, CA.

## FELLOWSHIPS AND GRANTS

---

2020-present	Stanford DARE Fellowship <i>Accepted</i>
2020	American Ornithological Society, Carnes grant - \$ 2000
2019	Birds New Zealand research grant - \$ 4190 NZ
2018	Stanford Office of Graduate Education travel grant – \$ 1000
2018-present	Ford Foundation Fellowship <i>Accepted</i>
2018	Organization for Tropical Studies Thesis Fellowship
2017	Stanford Office of Graduate Education travel grant – \$ 1000
2017	Stanford Ecology/Evolution travel grant – \$ 600
2017	Ford Foundation Fellowship <i>Honorable Mention</i>
2017	NSF-Graduate Research Fellowship Program <i>Honorable Mention</i>
2016	Ford Foundation Fellowship <i>Honorable Mention</i>
2016	Undergraduate Research Opportunities Program – \$300
2015-2016	NIH-Maximizing Access to Research Careers
2015	NIH-Minority Health and Health Disparities International Research Training
2014-2015	NIH-Minority Biomedical Research Support Program
2014	NIH-Bridges to Baccalaureate Program for Undergraduates

## HONORS AND AWARDS

---

2015	SACNAS poster presenter award in Ecology and Evolutionary Biology
2015	Sigma Xi: The Scientific Research Society inducted
2015	Sigma Xi poster presenter award in Environmental Science
2014	ABRCMS poster presenter award in Molecular and Computational Biology
2015-2016	Dean's Honor List, University of California, Irvine
2014-2015	2014 – 2015 Chancellor's Excellence Scholar, University of California, Irvine
2014	William Mohr Patton/Oscher Scholarship, Fullerton College
2013	Jack and Mary Chapman Scholarship, Fullerton College
2013	Thelma Sevilla Memorial Scholarship, Fullerton College
2012-2016	Phi Theta Kappa Honor Society
2012-2014	Dean's Honor List, Fullerton College
2011	President's Honor List, Fullerton College

## TEACHING AND MENTORSHIP

---

2020	Research mentor, Stanford Biology Summer Undergrad Research Program
2019	Teaching assistant, Ecology (Stanford University, Bio 81)
2020	Research mentor, Stanford Summer Research Program (SSRP)
2019	Teaching assistant, Introduction to Research in Ecology and Evolutionary Biology (Stanford University, Bio 47)
2018	

## OUTREACH AND SERVICE

---

	<b>Stanford Hermanas in STEM</b>
2019-2020	<b><i>President</i></b> Manage the organization, delegate tasks for events coordination
2018-2019	<b><i>Financial officer</i></b> Manage the organization's funds for outreach, faculty seminars, cultural, and social events
2017-2018	<b><i>Outreach coordinator</i></b> Organized outreach events and initiated collaborations with other Stanford organizations
	<b>Stanford HyPE</b>
2019	<b><i>Planning committee</i></b> Plan annual event for high school students from underserved communities to learn about research, PhD programs, and alternative careers
	<b>Department of Biology</b>
2019-present	<b><i>Home program representative</i></b> Liaison between Biology (Ecology and Evolution) students and the broader Biosciences community
2019-present	<b><i>Department student representative</i></b> Liaison between students and the department Plan and organize department events
2018-2019	<b><i>First year mentor</i></b> Mentor a first year PhD student to ensure a smooth transition into graduate school
2017-2018	<b><i>Seminar organizer</i></b> Planned weekly Ecology and Evolution department lunch seminars
2017-2018	<b><i>Department seminar speaker committee member</i></b> Organized seminar and dinner for student nominated, invited speaker <b><i>Department recruitment weekend committee member</i></b> Organized events for interviewees for the Biology PhD program
2017-2018	<b><i>First year mentor</i></b> Mentor a first year PhD student to ensure a smooth transition into graduate school
	<b>Science Penpals</b>
2017-2018	<b><i>Student mentor</i></b> Mentor a junior high student from an underserved community through letters, where we discuss ourselves, higher education, and scientific research
	<b>ADVANCE Summer Institute</b>
2016-2017	<b><i>Student mentor</i></b> Mentor an incoming PhD student from a diverse background to ensure a smooth transition into graduate school