

Dr. Adriana Gonzalez-Fernandez

Scientist

Microbiology Department

Southern California Coastal Water Research Project

Education

Ph.D., integrative biology, University of South Florida, 2022

B.S., biology, Universidad Nacional de Costa Rica, 2014

Professional Experience

Scientist, Southern California Coastal Water Research Project. Costa Mesa, CA. 2023-present

Visiting Scientist, Nicoya Peninsula Waterkeeper. Puntarenas, Costa Rica. 2022

Research Assistant, University of South Florida. Tampa, FL. 2017-2022

Teaching Assistant, University of South Florida. Tampa, FL. 2019

Beach Water Quality Specialist, Costa Rican Waterworks Institute (Instituto Costarricense de Acueductos y Alcantarillados). Tres R  os, Costa Rica. 2015-2017

Honors and Awards

Tharp Scholarship. 2022

Integrative Biology Travel Award. 2018, 2019

Journal Articles

Hinds, J.B., T. Garg, S. Hutmacher, A. Nguyen, Z. Zheng, J.F. Griffith, J.A. Steele, A. Gonzalez Fernandez, K.C. Schiff. 2024. Assessing the defecation practices of unsheltered individuals and

their contributions to microbial water quality in an arid, urban watershed. *Science of the Total Environment* 920:170708.

Gonzalez Fernandez, A., E.M. Symonds, J.F. Gallard-Gongora, B. Mull, J.O. Lukasik, P. Rivera Navarro, A. Badilla Aguilar, J. Peraud, A. Cantor, D. Mora Alvarado, M. Breitbart, M.R. Cairns, V.J. Harwood. 2022. Risk of Gastroenteritis from Swimming at a Wastewater-Impacted Tropical Beach Varies across Hyper-Local Scales. [Manuscript submitted for publication].

Gonzalez Fernandez, A., E.M. Symonds, J.F. Gallard-Gongora, B. Mull, J.O. Lukasik, P. Rivera Navarro, A. Badilla Aguilar, J. Peraud, M.L. Brown, D. Mora Alvarado, M. Breitbart, M.R. Cairns, V.J. Harwood. 2021. Relationships among microbial indicators of fecal pollution, microbial source tracking markers, and pathogens in Costa Rican coastal waters. *Water Research* 188, 116507.

Laureano-Rosario, A.E., E.M. Symonds, A. Gonzalez Fernandez, O.G. Lizano R., D. Mora Alvarado, P. Rivera Navarro, A. Badilla Aguilar, D. Rueda-Roa, D.B. Otis, V.J. Harwood, M.R. Cairns, F.E. Muller-Karger. 2021. The relationship between environmental parameters and microbial water quality at two Costa Rican beaches from 2002 to 2017. *Marine Pollution Bulletin*
DOI:10.1016/j.marpolbul.2020.111957.