

Dr. Nastassia Patin

Scientist

Biology Department

Southern California Coastal Water Research Project

Education

Ph.D., marine biology, Scripps Institution of Oceanography, University of California, San Diego, 2016

M.S., marine biology, San Francisco State University, 2011

B.S., biology, Stanford University, 2008

Professional Experience

Joint Scientist, University of California, San Diego and Southern California Coastal Water Research Project. San Diego, CA. 2023-present

Postdoctoral Researcher, Atlantic Oceanographic and Meteorological Laboratory, National Oceanic and Atmospheric Administration. San Diego, CA. 2020-2023.

Postdoctoral Researcher, Georgia Institute of Technology. Atlanta, GA. 2016-2020.

Honors and Awards

Peggy Cotter Travel Award, American Society for Microbiology. 2019

Best Talk, Georgia Tech Postdoctoral Symposium. 2017

Edward A. Frieman Director's Prize for Excellence in Graduate Student Research . 2016

SIO Department Graduate Student Excellence Travel Award. 2014, 2016

Selected Presentations and Conference Proceedings

Patin, N.V., K. Pitz, K. Truelove, F. Chavez, K.D. Goodwin. 2022. Shotgun metagenomes combined with metabarcoding link microbial function to higher trophic levels in the California Current. Royal Society Meeting on Marine Microbes in a Changing Climate. Towcester, UK.

Patin, N.V. 2022. 31 Days aboard Tara in Antarctica. OneNOAA Seminar Series. Via webinar.

Patin, N.V., K. Pitz, K. Truelove, F. Chavez, K.D. Goodwin. 2021. Shotgun metagenomes combined with metabarcoding link microbial function to higher trophic levels in the California Current. 5th annual eDNA Technical Exchange Workshop. Via webinar.

Patin, N.V., Z. Dietrich, J. Beckler, E. Hall, F.J. Stewart. 2020. Metagenome-assembled genomes of the rare and enigmatic Woese archaeota inform their role in blue hole biogeochemistry. Ocean Sciences Meeting. San Diego, CA.

Patin, N.V., E. Brown, G. Chebli, C. Garfield, J. Kubanek, F.J. Stewart. 2019. Microbial and chemical dynamics of a toxic dinoflagellate bloom. 10th US Symposium on Harmful Algae. Orange Beach, AL.

Patin, N.V., Z.A. Pratte, M. Regensburger, K. Gilde, E. Hall, A.D.M. Dove, F.J. Stewart. 2018. The *Ocean Voyager* Microbiome. Kennesaw State University, GA.

Patin, N.V., S. Locklear, F.J. Stewart, N.B. Lopanik. 2018. The microbiome of the bryozoan *Bugula neritina* is shaped by a cytotoxin-producing symbiont. 7th Conference on Beneficial Microbes. Madison, WI.

Patin, N.V., Z.A. Pratte, M. Regensburger, K. Gilde, E. Hall, A.D.M. Dove, F.J. Stewart. 2018. The *Ocean Voyager* Microbiome. Astrobiology Graduate Conference. Atlanta, GA.

Patin, N.V., M. Schorn, K. Aguinaldo, T. Lincecum, B.S. Moore, P.R. Jensen. 2016. Effects of actinomycete secondary metabolites on sediment microbial communities. International Society for Microbial Ecology-16 Conference. Montreal, Canada.

Journal Articles

Klymus, K.E., J.D. Baker, C.L. Abbott, R.J. Brown, J.M. Craine, Z. Gold, M.E. Hunter, M.D. Johnson,

D.N. Jones, M.J. Jungbluth, S.P. Jungbluth, Y. Lor, A. Maloy, C.M. Merkes, R. Noble, N.V. Patin, A.J. Sepulveda, S.F. Spear, J.A. Steele, M. Takahashi, A.W. Watts, S. Theroux. 2024. The MIEM guidelines: Minimum information for reporting of environmental metabarcoding data. *Metabarcoding and Metagenomics* 8:489-518.