

# ERIC RAYMOND HESTER

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**Date of Birth:** 25 May 1989  
**Nationality:** United States of America

## EDUCATION

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**2015 – Current** Ph.D. Microbiology  
Radboud University, Nijmegen, Netherlands

**2015** M.S. Bioinformatics and Medical Informatics  
(*National Science Foundation – Statistics Track*)  
San Diego State University

**2011** B.S. Microbiology, California Polytechnic State University San Luis Obispo

## RESEARCH / TEACHING EXPERIENCES

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2015 Dissertation Research  
2011 – 2015 Research Associate  
2013 Graduate Teaching Assistant  
Spring 2013: Ecological Metagenomics  
Summer 2013: Summer course in Indonesia, lectured on marine microbial diversity

## PUBLICATIONS

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- **Eric R. Hester**, Katie L. Barott, Jim Nulton, Mark JA Vermeij, and Forest L. Rohwer. (2015). *Stable and sporadic symbiotic communities of coral and algal holobionts*. The ISME journal. 10.1038/ismej.2015.190
- Hisakawa N, Quistad SD, **Hester ER**, Martynova D, Maughan H, Sala E, Gavrilov MV, Rohwer F. (2015) *Metagenomic and satellite analyses of red snow in the Russian Arctic*. PeerJ 3:e1491 <https://doi.org/10.7717/peerj.1491>
- Knowles B, Silveira CB, Bailey BA, Barott K, Cantu A, Cobian-Guemes AG, Coutinho FH, Dinsdale E, Felts B, Furby KA, George EE, Green KT, Gregoracci G, Haas AF, Haggerty JM, **Hester ER**, Hisakawa NG, Kelly LW, Lim YW, Little M, Luque A, McDole-Somera T, McNair K, Quistad SD, Robinett NL, Sala E, Salamon P, Sanchez SE, Sandin S, Silva GGZ, Smith J, Sullivan C, Thompson C, Verij MJA, Youle M, Young C, Zgliczynski B, Brainard R, Edwards RA, Nulton J, Thompson F, Rohwer F. (2016). *Lytic to Temperate Switching of Viral Communities*. Nature. doi:10.1038/nature17193

## POSTERS / TALKS

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- **Eric R Hester**, S.F. Harpenslager, L. Lamers, M. Jetten, C. Welte and C. Lueke. Differential nitrogen loads alter community of nitrogen cycling bacteria within the rhizosphere of *Juncus acutiflorus*. **Poster**. KNVM – General Spring Meeting. March 2016. Arnhem, The Netherlands.
- **Eric R Hester**, S.F. Harpenslager, L. Lamers, M. Jetten, C. Welte and C. Lueke. Bridging the gap between functional and biochemical diversity. **Poster**. IWWR Day 2015. November 12<sup>th</sup>, 2015. Nijmegen, The Netherlands.
- **Eric R. Hester**, Forest L. Rohwer. Investigating functional dependencies within the holobiont. **Poster** presented at SRS 2014. San Diego State University 7<sup>th</sup> Annual Student Research Symposium. March 2014. San Diego, California U.S.A.
- **Eric R. Hester**, Mark Little, Forest L. Rohwer. ARMS: Assessing Global Microbial Diversity Through Standardized Sampling. **Poster** presented at CERF 2013. 22<sup>nd</sup> biennial conference of the Coastal & Estuarine Research Federation. November 2013. San Diego, California U.S.A.
- **Eric R. Hester**, Katie L. Barott, Forest L. Rohwer. Delineation of Core and Satellite Bacteria Associated with Coral and Algal Hosts. **Talk** given at BEM 2013. 42<sup>nd</sup> Benthic Ecology Meeting. March 2013. Savannah, Georgia U.S.A.
- **Eric R. Hester**, Katie L. Barott, Forest L. Rohwer. Delineation of Core and Satellite Bacteria Associated with Coral and Algal Hosts. **Poster** given at SRS 2013. San Diego State University 6<sup>th</sup> Annual Student Research Symposium. March 2013.

## SCHOLARSHIPS / AWARDS

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KNVM – Kiem prijs (2016)

National Science Foundation – Statistics Scholarship (2013-2015)

## LANGUAGES

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- **English**: Native

## TECHNICAL SKILLS

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<b>Bioinformatics</b>	Unix, Bash, Python, Java, R, Matlab
<b>Data analysis</b>	Statistics, Multivariate Analysis, Image analysis, next-gen-sequencing analysis
<b>Molecular Biology</b>	DNA/RNA extraction, purification, sequencing library prep (Illumina, 454, Ion Torrent platforms). PCR / RT-PCR Cloning Transformations
<b>Microbiology and Cell Culturing</b>	Cell culture (Bacterial and Mammalian)

## FIELD EXPERIENCE

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2015 – The Netherlands	Sampling of the native wetlands within The Netherlands.
2013 – Hawaii	Trip to the NOAA station in Honolulu, Hawaii in order to evaluate sampling techniques, sample storage preservation techniques and logistical issues of sampling in preparation for

Indonesia.

2013 – Indonesia

Part of a greater project. Involved in teaching a university course on marine biodiversity (gave lectures on marine microbiology) as well as a scientific goal of assessing the biodiversity of all domains of life across gradients of anthropogenic influence within Indonesia. Sampling on scuba and boat trips to sample sites.