

# ERIC RAYMOND HESTER

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**Nationality:** United States of America

## EDUCATION

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**2015 – Present** 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

## TEACHING EXPERIENCES

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Genomics Health and the Environment (2015-current)  
Ecological Metagenomics (2013-2014)  
Microbial Diversity summer course in Indonesia (2013)

## SCHOLARSHIPS / AWARDS

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KNVM – Kiem prijs (2016)  
National Science Foundation – Statistics Scholarship (2013-2015)

## PUBLICATIONS

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### In review/revisions/preparations/preprint

**Eric R. Hester**, Sarah Faye Harpenslager, Josepha MH van Diggelen, Leon L Lamers, Mike SM Jetten, Claudia Luke, Sebastian Lucker, Cornelia U Welte (in review) Linking nitrogen load to the structure and function of wetland soil and rhizosphere microbial communities.

### Published

**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, Gavrilo 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

## **PRESENTATIONS/MEETINGS**

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Koninklijke Nederlandse Vereniging voor Microbiologie. Arnhem, NL. 2016. Talk.  
Institute for Water and Wetland Research symposium. Nijmegen, NL. 2016. Poster.  
Koninklijke Nederlandse Vereniging voor Microbiologie. Arnhem, NL. 2016. Poster.  
Institute for Water and Wetland Research symposium. Nijmegen, NL. 2015. Poster.  
Student Research Symposium. San Diego, CA. 2015. Talk.  
Student Research Symposium. San Diego, CA. 2014. Poster.  
Coastal and Estuarine Research Federation. San Diego, CA. 2013. Poster.  
Benthic Ecology Meeting 2013. Savannah, GA. 2013. Talk.  
Student Research Symposium. San Diego, CA. 2013. Poster.  
Student Research Symposium. San Luis Obispo, CA. 2011. Poster.

## **MENTORING**

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### **Master Students**

Ruud Rijkers (2016)

### **Bachelor Students**

Michiel van den Heuvel (2017)

## **LANGUAGES**

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**English:** Native

**Dutch:** B1 level

## **TECHNICAL SKILLS**

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### **Bioinformatics**

R, Python, Bash, Matlab

### **Data analysis**

Statistics, Multivariate Analysis, Image analysis, next-gen-sequencing analysis

### **Molecular Biology**

DNA/RNA extraction, purification, sequencing library prep (Illumina, 454, Ion Torrent platforms). PCR / RT-PCR.

### **Microbiology and Cell Culturing**

Cell culture (Bacterial and Mammalian)

## **FIELD EXPERIENCE**

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2015 – The Netherlands

2013 – Hawaii

2013 – Indonesia

## **OUTREACH AND VOLUNTEER EXPERIENCE**

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Netherlands Metagenomics Platform. Organizational Committee (2017-current)

KNVM Microbiology Ecology. Organizational Committee (2016)

IWWR Symposia Organizational. Committee (2015-current)

San Diego Coral Club. Member

San Diego Microbiology Group. Member

Greater San Diego Science and Engineering Fair. Judge (2012-2015)