

ERIC RAYMOND HESTER

Phone (NL): +31 06 41 53 79 93
Email: ericokh@gmail.com
Skype: eric.hester
Website: EricRHester.com
Nationality: United States of America

EDUCATION

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,
San Diego, CA, United States of America

2011 B.S. Microbiology
California Polytechnic State University San Luis Obispo
San Luis Obispo, CA, United States of America

TEACHING EXPERIENCES

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

SCHOLARSHIPS / AWARDS

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

PUBLICATIONS

Published

- Eric R. Hester**, Sarah Faye Harpenslager, Josepha MH van Diggelen, Leon L Lamers, Mike SM Jetten, Claudia Luke, Sebastian Lucker, Cornelia U Welte (2018) *Linking nitrogen load to the structure and function of wetland soil and rhizosphere microbial communities*. mSystems. 10.1128/mSystems.00214-17
- 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
- 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>

PRESENTATIONS/MEETINGS

Koninklijke Nederlandse Vereniging voor Microbiologie. Arnhem, NL. 2017. 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

Master Students

Ruud Rijkers (2016)

Owen Johnson (2018)

Bachelor Students

Michiel van den Heuvel (2017)

LANGUAGES

English: Native

Dutch: B1 level

TECHNICAL SKILLS

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

2015 – The Netherlands

2013 – Hawaii

2013 – Indonesia

OUTREACH AND VOLUNTEER EXPERIENCE

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)