

## SONIA J. ROWLEY Ph.D

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### a. Professional Preparation

University of Plymouth, UK	Marine Biology, 1 <sup>st</sup>	BSc(Hons) 2008
Victoria University Wellington, NZ	Marine Biology	Ph.D. 2015

### b. Appointments

2019–present	Research Biologist, SOEST, University of Hawai'i, USA
2019	Applied Research Laboratory, University of Hawai'i, USA
2018–Present:	Elected Fellow National (FN), Explorers Club, USA.
2017–Present:	Linnean Society of London, UK. Elected Fellow (FLS).
2017–present	Research Affiliate, SOEST, University of Hawai'i, USA
2015–2017	Post Doctoral Research Fellow, SOEST, University of Hawai'i, USA
2014–2018	Chief Science Officer, Association for Marine Exploration, Hawai'i, USA
2013–present	Affiliate Researcher, Bernice Pauahi Bishop Museum, USA
2009–2014	International Scholar & Affiliate Researcher, University of Hawai'i, USA
2010–2011	Visiting Researcher, Hawai'i Institute of Marine Biology, Hawai'i, USA
2008–2009	Microbiologist, Plymouth Marine Laboratory, UK
2007–2011	Scientific Researcher & Senior Project Supervisor, Operation Wallacea, Indonesia

### c. Select Publications

**Rowley SJ**, Roberts TE, Coleman RR, Joseph E, Spalding HL, Dorricott MKI (2019) *Pohnpei, Federated States of Micronesia*. In Loya Y, Puglise K, Bridge T (Ed.), *Mesophotic Coral Ecosystems. Coral Reefs of the World*, vol 12. Springer, Cham. DOI: [10.1007/978-3-319-92735-0\\_17](https://doi.org/10.1007/978-3-319-92735-0_17)

Sánchez JA, Dueñas LF, **Rowley SJ**, et al. (2019) *Gorgonian Corals*. In Loya Y, Puglise K, Bridge T (Ed.), *Mesophotic Coral Ecosystems. Coral Reefs of the World*, vol 12. Springer, Cham. DOI: [10.1007/978-3-319-92735-0\\_39](https://doi.org/10.1007/978-3-319-92735-0_39).

**Rowley SJ** (2018) Acclimatory capacity of the Gorgonian *Isis hippuris* Linnaeus 1758 to environmental change in SE Sulawesi, Indonesia. *JEMBE*. 500: 73–88.

**Rowley SJ** (2018) Environmental gradients structure gorgonian assemblages on coral reefs in SE Sulawesi, Indonesia. *Coral Reefs*. 37: 609-630.

Wan X, Miller JM, **Rowley SJ**, Hou S, Donachie SP (2016) Draft genome sequence of a novel *Luteimonas* sp. from coral mucus. *Genome Announcements* 4:e01228-16; doi:10.1128/genomeA.01228-

Ransome E, **Rowley SJ**, Thomas S, Munn CB, Tait K (2014) Disturbance to conserved bacterial communities in the cold water gorgonian coral *Eunicella verrucosa*. *FEMS Microbial Ecol.* 90: 404-416

### d. Synergistic Activities

**i. Field Research Experience.** Awarded the Sir. David Attenborough Award for Fieldwork for my gorgonian research on the mesophotic & shallow reefs Micronesia. Over 36-years diving & commercial ship experience throughout the Indo-Pacific, Europe, Africa, & Australasia including the use of closed-circuit rebreather technology. Deep-sea research submersible, ROV, & AUV expedition experience: NW & mid-Hawaiian islands, Louisville Seamount chain (NZ), Geologist & Lō'ihī Seamounts.

**ii. Education and Community outreach.** Have over 50 scientific & public presentations (incl. 2 GRCs) in 20 countries. Senior project supervisor (>30 grad. & undergrad students), lecturer in reef ecology, statistics, & research methods. Written many articles, blogs, & videos over the last 5 years.

**iv. Analytical Techniques.** Established in molecular, microbial, & microscopy techniques, in addition to photophysiology, stable isotope analyses, octocoral husbandry & curation. Skills in statistics & bioinformatics (particularly teaching & mentoring at the multivariate level; R, Geneious, PRIMER-E). Molecular lab experience includes metagenomic analyses using MiSeq & MEGA (2bRAD, RNAseq).