

Subject: Postdoctoral fellowship at UNCW: reef sponge processing of DOM

We are seeking applicants for a postdoctoral fellowship position (1 year, renewable) to play a leading role in an NSF-funded research program to study the impact of sponge pumping on the composition of dissolved organic matter (DOM) in seawater on Caribbean reefs. The successful applicant will join an interdisciplinary team from UNCW's departments of Chemistry and Biochemistry (Wendy Strangman, Winn Johnson), Earth and Ocean Sciences (Ralph Mead), and Biology and Marine Biology (Joe Pawlik). Required qualifications include a completed PhD, demonstrated experience with mass spectrometry, bioinformatic analyses of 'omics datasets, corresponding univariate/multivariate statistical analyses, and experience with a programming language such as R or Python. The position will include opportunities to travel to the Smithsonian's Carrie Bow Cay marine field station in Belize to assist in sample collection and field experiments. SCUBA diving certification and experience is desirable but not required. Salary range \$44-50K.

Start date is as early as 1 October and no later than **15 January 2023**.

Full details and application instructions can be found here:

<http://jobs.uncw.edu/postings/25730>

A recent publication can be found here:

Olinger, L.K., Strangman, W.K., McMurray, S.E., Pawlik, J.R. 2021. Sponges with microbial symbionts transform dissolved organic matter and take up organohalides. *Frontiers in Marine Science*, DOI: [10.3389/fmars.2021.665789](https://doi.org/10.3389/fmars.2021.665789)