

## Van Mooy Lab: Projects

### Current Projects

[Tracing Aridity: Sedimentary Preservation of Scytonemin from Microbiotic Desert Soil Crusts](#)

[Infochemical control of microbial interactions and nutrient cycling in the North Atlantic](#)

[Dissolved Phosphorus Processing by Trichodesmium Consortia: Quantitative Partitioning, Role of Microbial Coordination, and Impact on Nitrogen Fixation](#)

[Development of a low-cost PHOTOSynthesis, Respiration, and Carbon balance Yielding System \(PHORCYS\)](#)

### Previous Projects

[Investigation of bacterial cell-cell signaling and community succession in biofilms: application of a novel, cultivation-independent, chromatography/mass spectrometry-based to study ship hull biofouling.](#)

[Sources and biogeochemical cycling of intact polar lipids in the upper ocean.](#)

[Quorum-sensing and the carbon cycle: identifying cell-density dependent organic carbon degradation among marine bacteria in sinking particles](#)

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