

**Prof. Bradley Moore**Scripps Institution of Oceanography  
UC San Diego

CiQUS Lecture

**Understanding and  
Translating the Specialized  
Chemistry of the Ocean's  
Living Wonders****June 26, 2025**

CiQUS Seminar Room | 12:15 PM

**Prof. Bradley Moore**Scripps Institution of Oceanography  
Center for Marine Biotechnology and Biomedicine  
UC San Diego<https://bsmoore.scrippsprofiles.ucsd.edu/>**Abstract**

In this seminar, Moore will share his lifelong passion to understand and apply the specialized chemistry of oceanic life to solve challenges in human health and usher in a biosustainable future. An early pioneer in the field of genome mining, Moore's work connects the genomic blueprint of life with the diverse chemicals that nature uses in communication, defense, and environmental adaptation. By reading, writing, and editing the genomes of marine microbes, algae, and metazoans, Moore and his team have discovered new-to-science molecules, enzymes, and genes; leading to FDA-approved medicine, commercialized kits to detect freshwater toxins, and technology in living coloration.

Extinction risks from climate change, however, threaten many (marine) species and the knowledge of their evolutionary solutions to life that fuel new scientific discoveries. With new advances in genomic and metabolomic technology, this is a defining moment to accelerate our understanding of nature's solutions to create a bio-based future.

**Biosketch**

Bradley Moore is a biosynthetic chemist and a pioneer in the field of natural product genome mining. He specializes in reading and writing the genetic code of marine life from bacteria and

plankton to marine plants and animals to understand and develop new ocean-based materials, medicines and molecular tools. Moore is a Distinguished Professor at UC San Diego with joint appointments in the Skaggs School of Pharmacy and Pharmaceutical Sciences and the Scripps Institution of Oceanography where he is the Director of the Center for Marine Biotechnology and Biomedicine.

He has published >270 peer-reviewed articles, trained nearly 100 graduate students and postdoctoral fellows, and has been recognized with numerous awards and honors by the National Institutes of Health, the American Chemical Society, the American Academy of Microbiology, the American Society for Pharmacognosy, and the Royal Society of Chemistry. For nearly 20 years, he has been an editor for several scientific journals, and earlier this year he became the Editor-in-Chief of the *Journal of Natural Products*.