

## ROBERT S. JACOBS

Department of Ecology, Evolution and Marine Biology  
University of California  
Santa Barbara, CA

**Project:** *Advancing Marine Biotechnology: Use of OCS Oil Platforms as Sustainable Sources of Marine Natural Products*

**Education:** B.S. Biology, Northwestern University, Evanston, IL 1964  
Ph.D. Pharmacology, Stritch School of Medicine, Loyola University, Chicago, IL 1971

**Positions:** 1995-Present Professor of Pharmacology, Department of Ecology, Evolution and Marine Biology, University of California, Santa Barbara, CA  
1982-1995 Professor of Pharmacology, Department of Biological Sciences, University of California, Santa Barbara, CA  
1978-1982 Associate Professor of Pharmacology, Department of Biological Sciences, University of California, Santa Barbara, CA  
1974-1978 Assistant Professor of Pharmacology, Department of Biological Sciences, University of California, Santa Barbara, CA  
1971-1974 Assistant Professor of Pharmacology, Department of Pharmacology, Stritch School of Medicine, Loyola University, Chicago, IL

### Selected Publications:

- Ross, C., V. Vreeland, J.H. Waite, and R.S. Jacobs. 2005. Rapid assembly of a wound plug: stage one of two stage wound repair mechanism in the giant unicellular chlorophyte *Dasycladus vermicularis*. *Journal of Phycology* **40**(1):46-54.
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- Bemis, D.L., V. Roussis, C. Vagias, and R.S. Jacobs. 2000. Chloroplast fatty acid composition in Mediterranean populations of the marine Chlorophyte, *Anadyomene stellata*. *Zeitschrift Fur Naturforschung C-A Journal of Biosciences* **55**(7-8):569-575.
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- Mayer, A.M.S., W. Fenical, and R.S. Jacobs. 2000. The marine pseudopterosins modulate rat microglia superoxide and thromboxane generation. *FASEB Journal* **14**(8):266.
- Mayer, A.M.S., S. Oh, W. Fenical, and R.S. Jacobs. 1999. *Escherichia coli* LPS-primed rat brain microglia superoxide and thromboxane B-2 generation is inhibited by the marine pseudopterosins. *Shock* **11**:58 Suppl. 1.
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