

## Publications:

1. Toxin production by *Gambierdiscus toxicus* isolated from the Florida Keys. 1992 **Mar. Fish. Review** 48(4) 53-56.
2. Maitotoxin induces a calcium-dependent membrane depolarization in GH4C1 pituitary cells via activation of type L voltage-dependent calcium channels. 1992 **J. Biological Chemistry** 267:25025-25031. [Abstract Available](#)
3. Production of ciguatoxins in cultured *Gambierdiscus toxicus*. 1994 **Memoirs of the Queensland Museum** 34:447-453.
4. Development of rapid and sensitive high throughput assays for marine phycotoxins. 1994 **Natural Toxins** 2:189-196 [Abstract Available](#)
5. Cell division in the dinoflagellate *Gambierdiscus toxicus* is phased to the diurnal cycle and accompanied by activation of the cell cycle regulatory protein, CDC2 kinase. 1995 **J. Phycology** 31:395-400.
6. Neuroexcitatory actions of ciguatoxin on brain regions associated with thermoregulation. 1995 **NeuroReport** 6:305-309. [Abstract Available](#)
7. Maitotoxin increases voltage independent chloride currents in GH4C1 pituitary cells. 1995 **Natural Toxins** 3: 419-427. [Abstract Available](#)
8. Maitotoxin activates type L calcium channels, inhibits CDC2 kinase and progression through G2 of the cell cycle. 1996 **J. Cellular Physiology** 51:759-769.
9. Maitotoxin induces calcium entry by nimodipine sensitive and insensitive pathways in GH4C1 pituitary cells. 1996 **Biochemical Pharmacology** 166:49-56.
10. Maitotoxin activates a non-selective cation channel in cardiac myocytes of *Rattus norvegicus* and *Squalus acanthias*. 1996 **Mt. Desert. Island Biol. Lab. Bul.** 36:98-100.
11. Maitotoxin, a calcium channel activator, inhibits cells cycle progression through the GS/1 and G2/M transitions and prevents CDC2 kinase activation in GH4C1 cells. 1996 **J. of Cellular Physiology** 166:49-56. [Abstract Available](#)
12. Cell cycle regulation in the dinoflagellate *Gambierdiscus toxicus*: Mitosis is coupled to the diurnal cycle by a blue light dependent signal. 1996 **Mt. Desert Island Biol. Lab. Bull.** 36:98-100.
13. Microplate receptor assays: laboratory procedures for analysis of marine biotoxins. 1996 **Proceedings of the Workshop Conference on Seafood Intoxications: Pan American Implications of Natural Toxins in Seafood**. Miami, FL. pp. 50-56
14. Partial characterization of the LSU rRNA gene from the ciguotoxic dinoflagellate, *Gambierdiscus toxicus*. 1996 In **Harmful and Toxic Algal Blooms**, UNESCO Publ. Paris. pp. 459-462.
15. Variation in growth rate and ciguatera toxin production among geographically distinct isolates of *Gambierdiscus toxicus*. 1996 **Harmful and Toxic Algal Blooms** UNSECO Publ. Paris. pp. 309-312.
16. Survey of toxic epiphytic dinoflagellates from the Belizean barrier reef ecosystem. 1997 **Bull. Marine Sci.** 61(30):889-906.

17. A cell based assay for brevetoxins, saxitoxins and ciguatoxins using a stably expressed c-fos-luciferase reporter gene. 1997 **Analytical Biochemistry** 251:129-132.
18. Epiphytic dinoflagellates of drift algae-another toxicogenic community in the ciguatera food chain. 1998 **Bull. Marine Sci.** 43(2):204-214.
19. Mechanisms regulating the cell cycle in two dinoflagellate species, *Gambierdiscus toxicus* and *Amphidinium operculatum*. 1998 In **Harmful Algae**. UNESCO Publ. Paris. pp.156-160.
20. No evidence for an allelopathic role of okadaic acid among ciguatera associated dinoflagellates. 1998 **J. Phycology** 35:93-103.
21. Flow cytometric determination of cell cycles and growth rates of *Prorocentrum* spp. In: Community dynamics and physiology of epiphytic/benthic dinoflagellates associated with ciguatera. 1998 **The Physiological Ecology of Harmful Algal Blooms**. pp. 293-314.
22. Mechanisms regulating the cell cycle in two dinoflagellate species, *Gambierdiscus toxicus* and *Amphidinium operculatum*. 1998 **Harmful Algae** UNESCO Publ. Paris. pp. 156-160.
23. Community dynamics and physiology of epiphytic/benthic dinoflagellates associated with ciguatera. 1998 **The Physiological Ecology of Harmful Algae**. pp. 293-314.
24. Behavioral thermoregulatory response to maitotoxin in mice. 1998 **Toxicon** 36:1341-1347. [Abstract Available](#)
25. Ciguatoxin reduces larval survivability in finfish. 1999 **Toxicon** 37(12):1827-1832. [Abstract Available](#)
26. Reporter gene assays for algal-derived toxins. 1999 **Natural Toxins** 6:415-421. [Abstract Available](#)
27. Effect of Maitotoxin on Guanine nucleotide interaction with G-protein %o subunits. 2001 **Intl. J. of Toxicol** 20:39-44.
28. Finfish Toxins Chapter:2000 **Marine and Freshwater Products Handbook**. Technomic Publishing Co., Inc., Lancaster. pp. 717-725
29. Health and Ecological impacts of harmful algal blooms: risk assessment needs. 2001 **Human and Ecological Risk Assessment** 71: 1329-1345.
30. Review and Assesment of In vitro detection methods for algal toxins: conceptual approaches and recent developments. 2003 **JAOAC International** 84:1617-25