

Florida Red Tide:

A Whiff, A Sniff and A Sneeze

Dr. Daniel Baden



Tuesday, September 9, 2003

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with Dr. Daniel G. Baden

Dr. Daniel Baden, Director of the Center for Marine Science, is a Professor of Chemistry and of Biological Sciences at UNCW. Dr. Baden's professional career began at the University of Miami, where for 20 years he maintained a joint appointment at both the Rosenstiel School of Marine and Atmospheric Science and at the University of Miami School of Medicine.

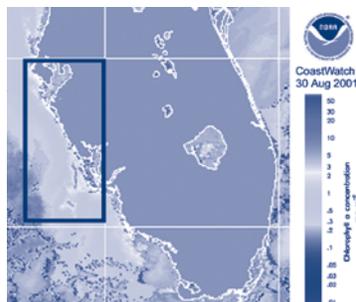
Dr. Baden was trained in Chemistry as an undergraduate at Hamline University in Minnesota, and later in graduate school in Biochemistry at the University of Miami School of Medicine. Since 1979 his research funding has spanned the Department of Defense, National SeaGrant, NOAA Saltonstall-Kennedy, and Florida High Technology Council, many of them concurrently. While in Florida he was also President and founding partner of Chiral Corporation, a small biotechnology firm dealing in innovative molecular probes.

During his tenure at Miami, he served as Chair of Marine Biology and Fisheries for a time, served as Vice Chair of the Rosenstiel School Council, and was the founding Director of the Marine and Freshwater Biomedical Sciences Center. This latter program is now entering its 14th year of funding from the National Institutes of Health.

Dr. Baden's expertise has been sought by the legal profession as an expert witness in Ciguatera Fish Poisoning, and he has served on panels for NIH in nursing, comparative medicine, oceans and human health, and for World Expo 98 in Lisbon Portugal. Most recently, he has participated in the NIEHS program exploring the future of Metabolic Profiling, and was the chair for a 15 year review of the Superfund Basic Research Program for NIH. His tenure on the National Advisory Environmental Health Sciences

Council for NIH spans from 2000-2004.

Throughout his career, Dr. Baden has been interested in harmful algal blooms and the toxic materials they produce. He has gained world-wide acclaim for his work, and his group has been responsible for identification of 8 of the 10 known Florida red tide brevetoxins. His group provided the majority of the characterization of the receptor site for these toxins in living systems (the binding site is responsible for the toxicity), and pioneered many of the techniques that helped characterize



molecular receptors for polyether toxins. His present work centers on therapeutics and detection methods.

His program on September 9 will surround his current work on the Effects of Inhaled Florida Red Tide Brevetoxins. This large program project grant is a collaboration of 4 research institutions, 2 academic institutions, the Florida Department of Health, and the Centers for Disease Control and Prevention. The talk will focus on effects on inhaled toxins on beach populations.



Please join us for the first seminar
in the 2003-2004 series:

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with Dr. Daniel G. Baden

September 9, 2003

UNCW Center for Marine Science
Auditorium

Seminar 6:30 P.M. / Reception 7:30 P.M.



Center for Marine Science
5600 Marvin K. Moss Lane
Wilmington, NC 28409

To reserve seats call: Center for Marine Science
910-962-2300

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