



Lora E. Fleming, MD, PhD, MPH, MSc

Professor, Epidemiology & Public Health

NSF-NIEHS Oceans & Human Health Center Role: Co-Director & Investigator- Recreational Microbes

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Education

- MSc London University, 1979
- MD-MPH Harvard Medical School, 1984
- PhD Yale School of Medicine, Department of Epidemiology and Public Health, 1997

Research Interests

As the only board certified Occupational and Environmental Medicine Physician and Epidemiologist in South Florida, I serve in a unique role at the University of Miami. My areas of research and teaching are Occupational and Environmental Medicine and Epidemiology. As the Co Director of the National Science Foundation (NSF)-National Institute of Environmental Health Sciences (NIEHS) University of Miami Oceans and Human Health Center (www.rsmas.miami.edu/groups/ohh/), the Associate Director and Director of Outreach and Education of the University of Miami NIEHS Marine and Freshwater Biomedical Sciences Center(www.rsmas.miami.edu/groups/niehs/), and the Associate Director of the Florida International University (FIU)-University of Miami NIEHS ARCH Program (www.rsmas.miami.edu/groups/niehs/arch), I work in the areas of Marine and Freshwater Toxins, Recreational Microbes,

Environmental Human Health, and Epidemiologic issues. Working with various Center colleagues and others, I have created educational materials concerning the human health effects of marine and freshwater natural toxins, and performed research in Ciguatera Fish Poisoning, Florida Red Tides (Brevetoxins) and cyanobacterial toxins, and the application of GIS to the Marine and Freshwater Toxin Diseases; currently I am involved in a study of the human health effects of aerosolized red tide toxins (www.mote.org/niehsredtidestudy/) the possible human health effects of microbial pollution in recreational beach waters, the exposure to arsenic among children playing on CCA treated wood, and the development of K-12 environmental health curriculum materials (www.rsmas.miami.edu/groups/niehs/ambient/). With a group of interdisciplinary colleagues, I am exploring the morbidity and mortality of US workers in the National Health Interview Survey funded by the National Institute of Occupational Safety and Health (NIOSH) (www.rsmas.miami.edu/groups/niehs/niosh/). As Acting Director of the Florida Cancer Data System (www.fcds.med.miami.edu/), Florida's incident cancer registry, I work with researchers and students to promote work in cancer epidemiology and prevention in Florida. I teach physicians and residents, and PhD and Masters of Public Health, medical, law, architecture, and undergraduate students in environmental and occupational health and epidemiology. I also act as a Consultant in Occupational and Environmental Medicine and Epidemiology both locally and internationally, and I serve on a number of University, State and National Taskforces and Committees.

Representative Publications

Fleming LE, Rivero C, Burns J, Williams C, Bean J, Shea K, Stinn J. Blue Green Algal (Cyanobacterial) Toxins, Surface Drinking Water, and Liver Cancer in Florida. *Harmful Algae* 2002;1(2):157-168.

Lee DJ, LeBlanc W, Fleming LE, Gomez Marin O, Pitman T. Trends in US Smoking Rates in Occupational Groups: The National Health Interview Survey 1987-1994. *JOEM* 2004;46:538-548.

Backer LC, Fleming LE, Rowan A et al. Recreational Exposure to Aerosolized Brevetoxins During Florida Red Tide Events. *Harmful Algae* 2003;2:19-28

Shibata T, Solo Gabriele HM, Fleming LE, Elmir S. Monitoring Marine Recreational Water Quality Using Multiple Microbial Indicators in an Urban Tropical Environment. *Water Research* 2004;38:3119-3131.

More info:

http://www.rsmas.miami.edu/groups/niehs/center/lora_fleming_cv.htm

http://www.biomed.miami.edu/epi/faculty_fleming.php