

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

Professor

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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/) and the Associate Director of the Florida International University (FIU)-University of Miami NIEHS ARCH Program (<http://arch.fiu.edu/>), 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; currently, I am involved in a NIEHS-funded study of the human health effects of aerosolized red tide toxins (www.mote.org/niehsredtidestudy/) and in a CDC, FL DOH and OHH Center funded study of the possible human health effects of microbial pollution in recreational beach waters. With a group of interdisciplinary colleagues, I am exploring the health disparities, 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 well as issues of second hand smoke on worker health and the prevention of tobacco-related diseases. As Medical Director of the Florida Cancer Data System (www.fcds.miami.edu/), Florida's incident cancer registry, I work with researchers and students to promote work in cancer epidemiology and prevention, and health

disparities 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, Kirkpatrick B, Backer LC, Bean JA, Wanner A, Reich A, Zaias J, Cheng YS, Pierce R, Naar J, Abraham WM, Baden DG. Aerosolized Red Tide Toxins (Brevetoxins) and Asthma. *Chest* 2007;131:187-194.

Laws E, Fleming L, Stegeman J. Overview of NSF NIEHS and NOAA Oceans & Human Health Centers. Mini-Monograph: Research in Oceans and Human Health. *Environmental Health* 2008; 7(Suppl 2):S1:1-5

Vidal L, LeBlanc WG, McCollister KE, Arheart KL, Chung Bridges K, Christ SL, Caban Martinez AJ, Lewis J, Lee DJ, Clark J, Davila E, Fleming LE. Cancer Screening in US Workers. *Am J Pub Health* 2009;99:59-65.

Fleming LE, Levis S, LeBlanc WG, Dietz NA, Arheart KL, Wilkinson JD, Clark J, Serdar B, Davila EP, Lee DJ. Earlier Age at Menopause, Work and Tobacco Smoke Exposure Menopause in press.

Boehm AB, Ashbolt NJ, Colford JM, Dunbar LE, Fleming LE, Gold MA, Hansel J, Hunter PR, Ichida AM, McGee CD, Soller JA, Weisberg SB. A sea change ahead for recreational water quality criteria, *Journal of Water and Health* in press.