

Curriculum Vitae

Cara L Fiore
Postdoctoral Scholar
Woods Hole Oceanographic Institution
cfiore@whoi.edu

PROFESSIONAL PREPARATION

<u>College/University</u>	<u>Major</u>	<u>Degree & Year</u>
SUNY at Cortland	Biology (Minor: Chemistry)	BS, 2003
College of Charleston	Marine Biology	MS, 2006
University of New Hampshire	Microbiology	Ph.D. May 2013
University of New Hampshire	College Teaching	Cognate May 2013

ACADEMIC/PROFESSIONAL APPOINTMENTS

Woods Hole Oceanographic Institution (WHOI)	Sept 2013 – March 2015	Postdoctoral Researcher, Department of Marine Chemistry & Geochemistry
University of New Hampshire (UNH)	May 2013 – Aug. 2013	Research Assistant
University of New Hampshire	Aug. 2008 – May 2013	Graduate Student, Department of Molecular, Cellular & Biomedical Sciences
University of Rochester	July 2007 – July 2008	Laboratory Technician, Department of Medicine, Pulmonary Diseases and Critical Care
Wards Natural Science College of Charleston	June 2006 – June 2007 Aug. 2003 – May 2006	Chemistry Technician Graduate Student, Marine Biology and South Carolina Department of Natural Resources

RECENT PUBLICATIONS

- Fiore, C.L., Jarett, J.K., and M.P. Lesser, "Molecular Evidence for Different Symbiotic Prokaryotic Communities in Geographically Distant Populations of the Caribbean sponge, *Xestospongia muta*," *MicrobiologyOpen*, 2013. doi: 10.1002/mbo3.135.
- Fiore, C.L., Baker, D.M., and M.P. Lesser, "Nitrogen biogeochemistry in the Caribbean Sponge, *Xestospongia muta*: A Source or Sink of Dissolved Inorganic Nitrogen?" *PLoS ONE*, 8(8):e72961, 2013. doi: 10.1371/journal.pone.0072961.
- Jarett, J.K., Fiore, C.L., Mazel, C., and M.P. Lesser, "Fluorescent epibiotic microbial community on the carapace of a Bahamian ostracod" *Archives of Microbiology*, 2013. doi:10.1007/s00203-013-0911-9.
- Fiore, C.L., Jarett, J.K., Olson, N.D., and M.P. Lesser, "Nitrogen fixation and nitrogen transformations in marine symbioses," *Trends in Microbiology*, 18, 455-463, 2010, doi:10.1016/j.tim.2010.07.00

OTHER PUBLICATIONS

Fiore, C.L., and P.C. Jutte, "Characterization of macrofaunal assemblages associated with sponges and tunicates collected off the Southeastern United States," *Invertebrate Biology*, 129, 105-120, 2010. doi: 10.1111/j.1744-7410.2010.00184.x

Fiore, C., Tull, J.L., Ducey, P.K., and S. Zehner, "Tracking and predation on earthworms by the invasive terrestrial planarian *Bipalium adventitium* (Tricladid, Platyhelminthes)," *Behavioral Processes*, 67, 327-334. 2004, doi: 10.1016/j.beproc.2004.06.001

PRESENTATIONS

Oral

Fiore CL and MP Lesser. Nitrogen Biogeochemistry in the Giant Barrel Sponge, *Xestospongia muta* Across the Caribbean. American Society of Limnology and Oceanography, Aquatic Sciences annual meeting. New Orleans, LA, Feb. 2013.

Fiore CL and MP Lesser. Characterization of Nitrogen Cycling in the Giant Barrel Sponge, *Xestospongia muta*. Benthic Ecology annual meeting. Norfolk, VA, March, 2012.

Fiore CL. Characterization of macrofaunal assemblages associated with sponges of the southeastern United States. The College of Charleston Graduate Student Colloquium, 2004.

Fiore CL. Experiences in Kenya: life and research. Invited presentation, SUNY Cortland, Cortland, NY, 2003.

Poster

Fiore CL, M Labrie, and MP Lesser. Pumping Activity and Nitrogen Cycling in the Giant Barrel Sponge, *Xestospongia muta*. Society of Integrative and Comparative Biology annual meeting. Charleston, SC, Jan. 2012.

Fiore CL and MP Lesser. Microbial Diversity Associated with the Giant Barrel Sponge, *Xestospongia muta*. VII World Sponge Conference. Girona, Spain, Sept 2010.

Lakatos HF, CL Fiore, MN Gurell, CJ Baglole, RP Phipps and PJ Sime. PPARgamma ligands potently induce the natural anti-oxidant heme oxygenase-1 in human lung fibroblasts. American Thoracic Society International conference, Toronto Canada, 2008.

Fiore CL and PC Jutte. Characterization of macrofaunal assemblages associated with sponges of the southeastern U.S. Benthic Ecology Meeting. The College of William and Mary, VA, 2005.

TEACHING EXPERIENCE

Classes (taught or assisted)

Mini course in Marine Biology UNH, Aug. 2012 and 2013

General Microbiology Laboratory UNH, Jan. 2009 – Dec. 2011

“Germs 101”/BMS407 UNH, Aug. 2008 – Dec. 2008

General Biology Laboratory College of Charleston, Sept. 2003 – May 2004

Cognate in College Teaching

Coursework: Introduction to College Teaching

Issues in College Teaching

Teaching with Writing

Teaching and Learning in Science
Teaching and Learning in Science Independent Study
Teaching Praxis/Portfolio

Outcomes from Cognate

Gained knowledge of the educational research literature and current theories and ideas for optimizing the teaching and learning experience.

Implemented educational tools into my classroom gleaned from the education literature.

Developed partial curriculum for an inquiry-based microbiology course

Produced an E-portfolio of my teaching and research experiences.

AWARDS

2013 – Postdoctoral Scholar, WHOI

2012 – Dissertation Year Fellowship, UNH

2011 – Graduate Student Teaching Award, UNH

2010 - UNH Marine Program Research Grant

2009 - UNH Marine Program Research Grant

2003 - Aldo Leopold Award for environmental conservation.

2002 - Soil and Water Conservation Society Scholarship

2002 – Scholarship from Boston University to attend the School for Field Studies Wildlife Management program in Kenya

2001 - Scholarship from Shoals Marine Laboratory to attend their marine biology class

SYNERGISTIC ACTIVITIES (During doctoral work)

UNH Student Chapter of the American Society for Microbiology (ASM): I served as an officer (treasurer 1y, co-president 2 yr) and active member of the UNH student chapter of ASM. As a leader in the ASM student chapter, I hosted outside speakers, organized regular meetings, and organized outreach activities and other events each semester.

UNH Graduate Student Senate (GSS): I regularly attended meetings of the GSS and served on committees that pertained to a range of issues relating to graduate students on the UNH campus (e.g., Fee oversight committee, Graduate Research Conference committee).

UNH Student Chapter of Women in Science (WIS): I regularly attended WIS meetings, led discussions, and initiated a mentoring program with students at a local middle school. My last year at UNH (2012-2013) I participated in a “College to Career” committee aimed at setting up panel discussions and “brown bag” lunch series for women in science.

Teaching: I have had a large teaching component to my graduate work thus far. As a masters and doctoral student I have taught several undergraduate laboratory courses as a teaching assistant, including general biology laboratories (CofC) and General Microbiology Laboratories (UNH), and assisted with a large lecture class of General Microbiology for non-science majors. I also taught a mini-course in marine biology for the UNH Connect Program, which seeks to bring in minority and low income students and mentor them during their time at UNH.

I also completed a separate degree program in college teaching to obtain a Cognate in College Teaching from UNH.

COLLABORATORS AND OTHER AFFILIATIONS

Graduate and Postdoctoral Advisors

Master's: Pamela Cox Jutte (College of Charleston)

Doctoral: Michael P Lesser (University of New Hampshire)