Rachel Noble, Ph.D.

Distinguished Professor, Institute of Marine Sciences at UNC-Chapel Hill
Morehead City, NC, US

A main thread of Rachel Noble?s work is the application of novel molecular techniques for applied and basic science.

Rachel Noble?s research program bridges environmental microbiology and marine microbial ecology. A main thread of Dr. Noble?s work is the application of novel molecular techniques for applied and basic science. She has developed a range of rapid water quality test methods, including those for E. coli, Enterococcus, and Vibrio species and studies the dynamics of microbial contaminants contributed through stormwater runoff to high priority recreational and shellfish harvesting waters. A specific interest is conducting research to partition anthropogenic inputs from reservoir populations in coastal ecosystems, thereby permitting development of accurate models.

Biotechnology, Research, Education/Learning

---

stormwater, E. Coli, Water Treatment, Microbial Contaminants, Viruses, Marine Biology, Pathogens, Marine Bacteria, Coastal Ecosystems, Waterborne Illnesses, Seafood Safety, Fluorescence Microscopy, Cell Culture, Microscopy, Biochemistry, Water Quality Testing, Molecular Biology, Microbial Ecology, Microbiology, Environmental Science

---

University of Southern California
Ph.D. Marine Science

Carnegie Mellon University
B.S. Biology
