

Ronald A. Benner, Jr., Ph.D.

(University of Florida, 2001) Science Advisor, FDA. Our research is focused on the dynamics of seafood decomposition and the microbiological, chemical, and sensory changes that occur during the decomposition process. We are developing methods to detect and define decomposition, and to investigate the microbial ecology of various decomposition processes. Biomarkers of seafood decomposition are being assessed as tools to measure seafood decomposition and to assist the FDA in establishing appropriate guidance for the seafood industry.

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Kevin R. Calci, M.S.

(University of Rhode Island, 1996) Environmental Health Officer, U.S. Public Health Service, GCSL. My research has been focused on the mitigation of pollution impacts on shellfish growing waters from human enteric pathogens. Research areas include wastewater microbiology, shellfish bioaccumulation and post-harvest treatment using high hydrostatic pressure. Currently we are using novel viral indicators and molecular detection techniques in concert with state-of-the-art hydrography to model the viral pollution impacts of municipal wastewater treatment plants.

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Jessica L. Jones, Ph.D.

(University of South Alabama, 2009) Supervisory Microbiologist, GCSL. My research experience has primarily focused on development and application of isolation, detection, and enumeration methods for pathogenic *Vibrio* species in environmental and food samples. Current interest centers on utilizing microbiological and molecular tools to better understand the virulence of vibrios, environmental conditions that affect their prevalence, and the evolutionary connection between human pathogenicity and the ability to persist in the marine and estuarine environments.

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Please contact FDA or Dr. Ruth H. Carmichael for an updated list of faculty mentors