**NC AHEC CPD**

Program Title:  A Microbe Made for the Movies – A Case-Based Intro to *Vibrio vulnificus*

Faculty Name:   Susan L. Taylor MS, MLS(ASCP), MBA

Discipline:  Clinical Microbiology

Description:  *Vibrio vulnificus*is ubiquitous in our coastal estuaries and in warm brackish water. The organism is an opportunistic human pathogen that can cause a spectrum of illnesses from gastroenteritis to necrotizing fasciitis and the rapidly fatal, primary sepsis. The *Vibrio vulnificus* casepresented, provides an interesting model to discuss an opportunistic infection from patient presentation though an overview of sepsis, interesting modes of bacterial pathogenesis, treatment, epidemiology, economic impact and disease prevention – all in about 45 minutes.

Objectives:

1. Discuss impact of *Vibrio vulnificus*on patients, public health and the economy
2. Illustrate the stages of sepsis
3. Interpret patient history and lab results to propose a diagnosis
4. Apply the ISTH Score for DIC to a patient case
5. Discuss the mechanisms of pathogenesis associated with *Vibrio vulnificus*
6. Describecharacteristics and morphology of *Vibrio vulnificus*
7. Explain how seafood related, food-borne illnesses can be prevented

Intended Audience: Public health professionals, laboratory technologists, nurses, medical and health sciences students

Presentation Format: Face-to-face or webinar