BIOLOGICAL MONITORING
CHALLENGES AND SOLUTIONS

Featuring Dr. Mark Riley
University of Nebraska-Lincoln

September 7, 2018 | 12:00 - 1:15 pm | H&K112
Parking Available in Lot T

ABOUT DR. RILEY

Mark R. Riley, Ph.D., is Associate Dean for Research in the College of Engineering at the University of Nebraska-Lincoln after having served as Professor and Department Head of Biological Systems Engineering from 2012-2017. Previously he was at The University of Arizona (1997-2012) serving on the faculty and Department Head in Agricultural and Biosystems Engineering (2009-2012). His education includes a B.S. in chemical engineering from the University of Michigan and an M.S. and Ph.D. in chemical and biochemical engineering from Rutgers University. He was inducted as a Fellow into AAAS in 2016 and as a Fellow in AIMBE in 2018.

LEARNING OBJECTIVES

The goal of this presentation is to share information on approaches used to continuously monitor environmental hazards impacting human health through inhalation and ingestion. The substantial sample volumes of water and air required for collecting representative samples necessitates applying methodologies more sophisticated than standard environmental measurement typically provide. Noninvasive measurements using spectroscopic methods enable rapid and continuous sampling. This presentation will also include discussion on the Nebraska AgrAbility project which aims to to enable a lifestyle of high quality for farmers, ranchers, and other agricultural workers with disabilities, so that they, their families, and their communities continue to succeed in rural America.

The presenter Mark Riley, PhD. Has no financial conflict of interest to disclose. Members of the planning committee, Nick Stergiou, Ph.D., Jeffrey Kaipust, M.S., Angela Collins, M.A., Laura Campbell, B.S., and Jackie Farley, CPP have no financial conflict of interest to disclose.

ACCREDITATION STATEMENT The University of Nebraska Medical Center, Center for Continuing Education is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

CREDIT STATEMENT The University of Nebraska Medical Center, Center for Continuing Education designates this live activity for a maximum of 1.25 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.