



Food and Agriculture  
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MISSISSIPPI STATE UNIVERSITY™  
GLOBAL CENTER FOR AQUATIC  
HEALTH AND FOOD SECURITY

## Advancing Aquatic Health: Addressing Antimicrobial Resistance in Global Aquaculture

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8:00–11:30AM U.S. Central Time



**Michael W. Sandel, Associate Professor, Department of Wildlife, Fisheries and Aquaculture, Mississippi State University ([mws297@msstate.edu](mailto:mws297@msstate.edu))**

Dr. Michael Sandel is an assistant professor of Wildlife, Fisheries and Aquaculture at Mississippi State University and a commissioned public health officer in the Air National Guard. His research interests involve molecular surveillance for aquatic pathogens and invasive species, conservation of endangered species, and molecular phylogenetics. He is currently funded to investigate the role of aquatic reservoirs for Buruli ulcer (caused by *Mycobacterium ulcerans*) and to detect new invasive animal and plant species in the Tenn-Tom Waterway. His work is supported by the National Science Foundation, National Institutes of Health, U.S. Fish and Wildlife Service, U.S. Department of Agriculture, and the U.S. Geological Survey. Sandel contributes to the Department of Defense Global Health Engagement, which involves course instruction through the Defense Institute for Military Operations and humanitarian medical service through the International Health Specialist program.