MMI Recruitment Seminar
Heather Glasgow, Ph.D.

10:00 – 10:45 a.m.
Genome and Biomedical Sciences Auditorium Room 6202

“HSV antiviral resistance testing:
from ATCG to S/I/R”

Heather Glasgow, PhD is a second year ASM CPEP Clinical and Public Health Microbiology at the University of Washington (Seattle). During her PhD training in the laboratory of 2008 Chemistry Nobel laureate Roger Tsien, PhD at University of California San Diego, she designed fluorescent peptides to molecularly target nerves and tumors for real-time surgical navigation and developed a method for in situ ligand-target identification with mass spectrometry. She subsequently worked on improving laboratory detection of tuberculosis (TB) and drug-resistant TB at Universidad Cayetano Heredia (Lima, Peru), Albert Einstein College of Medicine (Bronx, New York), and Africa Health Research Institute (Durban, South Africa). As a Clinical Microbiology fellow, she has used next generation sequencing (NGS) for rapid and sensitive genotypic prediction of antiviral resistance in human herpes simplex virus (HSV). She has also developed an RNA-based assay for ultrasensitive, broad range fungal detection directly from patient specimens. Her work has been recognized by awards from the American Society of Tropical Medicine and Hygiene, American Society of Microbiology, and Clinical Virology Symposium.