Katherine Hunold Buck, MD
The Ohio State University
SAEMF-EMF GEMSSTAR for Emergency Medicine Supplemental Funding Program - $25,000
"Improving Diagnostic Accuracy for Older Emergency Department Patients with Suspected Pneumonia: The Role of Diagnostic Criteria and Novel Antimicrobial Peptides"

My long-term goal is to become a national leader as an emergency physician-researcher in the field of aging and emergency medicine. Specifically, I aspire to be a national expert in geriatric emergency department with a focus in the diagnosis of infection in geriatric emergency department patients. This project builds upon my past projects and will serve as the basis for my next grant application, a K23. Ultimately, my objective is to obtain an NIH R01 award to support a multi-center trial to develop and validate a clinical tool to diagnose pneumonia in older adult emergency department patients. Support from this grant is instrumental in my development as an independent investigator by providing support to launch this long-term research plan, additional mentorship to facilitate my growth as a physician researcher, and additional training in geriatrics – all will be critical on my path to becoming a successful, externally-funded independent aging researcher.