

**MS Public Health Epidemiology and Emerging Infectious Diseases  
The George Washington University School of Public Health and Health Services**

**Sample Field/Laboratory Experience Proposal Template**

**Student:** [Name, contact information]

**Preceptor:** [Name, contact information]

**Site:** (this can be a lab or private or public health organization) [Please provide the complete name and address of the site.]

**Learning Objectives: (examples)**

- To learn molecular biology techniques and apply them to cloning, expressing and characterizing Ac-SPI, a serine protease inhibitor produced by *Ancylostoma caninum*
- To learn about regulation, accreditation, and other policy aspects of the Human Hookworm Vaccine Initiative
- To learn about all the stages of vaccine development
- To learn good laboratory practices, standards of procedure and quality control
- To learn how to design and implement an epidemiologic survey

**Proposed Activities: (examples)**

- To clone, express and characterize novel hookworm proteins for the preceptor
- To run assays as directed
- To perform basic functions in lab management such as ordering supplies, maintenance, keeping a laboratory notebook
- To develop a survey to be implemented in the community

**Duration and proposed schedule:**

**Evaluation:**

- Detailed report and notebook outlining all work and data obtained in the laboratory
- Written paper describing the process of antigen discovery in vaccine development
- Written paper with analysis from the data collected
- Written evaluation of student performance by supervisor