

SAMPLE FACILITIES & OTHER RESOURCES SECTION

FACILITIES & OTHER RESOURCES – NAME OF PRIMARY PERFORMANCE SITE

Laboratory: The PI is assigned a 1200 sq ft laboratory that is located in the Department of X, adjacent to his office. This laboratory is subdivided into a general purpose area (800 sq ft), a positive-pressure cell-culture room (200 sq ft), a medium preparation area (100 sq ft), and a walk-in cold room (100 sq ft). Minor equipment (< \$5000) in this space includes:

Animal: Specific pathogen-free mice (C57BL6) will be purchased from the Jackson Laboratory, a national leader in X. They will be housed in the _____, the institution's AAALAC-accredited animal-care facility, located in a dedicated building adjacent to the one housing the PI's laboratory (see above). Two veterinarians, both ACLAM diplomats, oversee care and staff training. Cages will be located on laminar-flow racks in a 100 sq ft room dedicated to this project. In addition to oversight by a board-certified laboratory-animal veterinarian, all animal technicians are rigorously trained and certified. Microbiological, clinical pathological and necropsy diagnostic facilities are available on site, with back up from the State's veterinary diagnostic laboratory.

Clinical: Not applicable.

Computer: The PI has two computers: (1) Dell PC located in the PI's office (Windows 11; and (2) a Lenovo ThinkPad X1 Carbon laptop with both ImageJ and Scion Image analysis software. Each technician and student is equipped with a similar laptop. All computers have Microsoft Office. Zoom video conferencing software is available for use by all members of the research team.

Office: The PI's 144 sq ft office is adjacent to his laboratory. It is equipped with desk, credenza, chairs, two 4-drawer filing cabinets and is hardwired high-speed access. There is also access to the internet through the University's wireless network. The students' / technician's shared office space, which is 356 sq ft, has similar access and is equipped with four individual desks, four chairs and four 2-drawer filing cabinets.

Other Resources:

- Flow Cytometry Core Facility is located on same floor as the PI's laboratory. He has access by appointment on a fee-for-service, 24/7 basis. The facility contains a total of 800 ft², which is divided into two analytical suites and an adjoining room for sample preparation. The latter contains Zeiss bright-field, fluorescence, and phase-contrast microscopes, as well as a dissecting microscope and Conner desk-top centrifuge. The director of the facility, Michael Legge, is certified by Accuri, the maker of the cytometers in the facility (see *Equipment* section). A certified technician is available to assist investigators with use of cytometers, if needed. This core has been designated as a reference facility by the American Cytometric Society.
- Intellectual/Collaborative Resources: The following are funded investigators in the PI's research environment who are doing research that is complementary to what is proposed here.

<u>INVESTIGATOR</u>	<u>AGENCY</u>	<u>GRANT NUMBER</u>	<u>TITLE</u>
Jennifer D'Espagne	NIH/NIAID	R01AIXXXXXXX	Innate Immune Responses Limiting Nosocomial Infections
Amanda Hayek	USDA	02XXX	Perinatal Responses to Staph Exposure from Maternal Mastitis
Steven McMullins*	USDA	02XXX	Bacterial Complications in Intestinal Obstructions in Large Animals
Ji-Hye Choi	NSF	11XXXXX	CAREER: Using phylogeny to track the inter-individual transfer of bovine gut bacteria
Geoffrey Teagarten	NIH/NCCIH	R01ATXXXXXX	Alternative Therapy for Nosocomial Staph Infections

* Dr. McMullins is appointed at the University of X, which is located in the same city fifteen miles from the PI's university. The PI and Dr. McMullins reciprocally attend each other's laboratory meetings on a bimonthly basis and are coauthors of several peer-reviewed publications (see Biographical Sketch). The other four investigators are members of the PI's department at ABC University.