Facilities and Other Resources (template):

These are shared Facilities and Resources that are available to you.

In this space you should describe your lab and resources (but not equipment as that is a separate document), like describing the research/office space in whichever buildings you are housed, etc.

SHARED RESOURCES

Hubbard Center for Genome Studies (HCGS)

W. Kelley Thomas-Director

The HCGS, located on the 4th floor of Gregg Hall, currently has three research groups which focus on Genomics, Proteomics, and Glycomics. Available bench space will accommodate 28 scientists with additional areas for equipment and electrophoresis. The laboratory also incorporates 3 fume hoods, two biosafety cabinets, two environmental rooms and an autoclave. Eight faculty/postdoc offices and cubicles for 13 graduate students are located adjacent to the lab. A penthouse space wired with emergency power will accommodate up to 25 ultracold freezers. All other equipment is located on the same floor of Gregg Hall as the laboratory space A wide variety of services are provided by the HCGS including sample preparation, Sanger sequencing, and high-throughput sequencing and associated quality control assays are provided on a recharge basis.

Research Computing and Instrumentation Core Facility (RCI/UNH)

(Director Patrick Messer)

The Research Computing and Instrumentation (RCI) center is housed in Morse Hall (research computing), Parsons Hall (instrumentation), Kendall Hall (instrumentation), and Rudman Hall (instrumentation) all on the Durham campus of the University of New Hampshire. The Research Computing facilities include a 2,000 square foot energy efficient data center that offers high performance computing and networking in support of the UNH research enterprise. The data center was renovated in 2011 providing new and improved security, power and cooling. RCI has a staff of IT professionals specializing in systems and network administration, security, database administration and software engineering also located in Morse Hall. The University Instrumentation Center operates and supports numerous instruments for Nuclear Resonance Spectroscopy, Ultraviolet-Visible-Near-Infrared Spectrophotometry, Infrared Spectrometry, X-ray Photoelectron Spectroscopy, Scanning Electron Microscopy, Transmission Electron Microscopy, Confocal Microscopy, and Energy Dispersive Spectroscopy. This RCI works closely with the Hubbard Center for Genome Studies for managing and disseminating the large datasets generated by next-generation sequencing platforms. These services are provided on a recharge basis.

Support for Early Stage Investigators (ESI)

The ESIs in this proposal have been supplied with startup funds and protected time for research (See Core A). In addition, these investigators have been involved with career enrichment guidance and mentorship through the Research Engagement Academy and have acces to the Up-2-NIH programs offered at the University of New Hampshire and as described in core A.