

## Equipment

### Laboratory Equipment:

#### *Sharpton Lab:*

The Sharpton lab is equipped with a Nuair laminar flow biological safety cabinet, Hamilton Chemical safety hood, freezers (-20°C, -80°C), refrigerator, refrigerated Beckman bucket centrifuge, Eppendorf benchtop microcentrifuge, Sybron ultrapure water filtration system, digital control water baths, hot/stirrer plate, mini centrifuges, Qubit 2.0, Corning pH meter, digital scale, top loading analytical balance, rocking shaker, vortex mixers, 24-sample bead beating vortex adaptor, microwave oven, PowerPac basic power supply, E-C power supply, gyrotory water bath shaker, incubator, transilluminator, SimpliAmp thermal cycler, heat blocks, horizontal electrophoresis cells, assorted pipettes, and Bunsen burners.

### Additional Shared Equipment:

#### *Center for Genome Research and Biocomputing (CGRB):*

Kodak X-OMAT Processor, an Invitrogen Qubit Fluorometer, a Promega QuantiFluor Fluorometer, a NanoDrop ND-1000 UV-Vis spectrophotometer, a Molecular Devices Spectra MAX 190 Microplate Spectrophotometer, a Qiagen Rapidplate, a GE Storm 820 PhosphorImager, Genetix Qpix2 Colony Picker, and an Agilent Bioanalyzer.

#### *DNA Sequencing Machines at the CGRB:*

Illumina Miseq (25 million 250-300 bp paired end reads), Illumina HiSeq3000 (300 million 150 bp paired end reads), ABI 3730