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| **Equipment** |

**UCSF CoLabs**

**Eckalbar lab and adjacent Genomics CoLab directed by Dr. Eckalbar:** Equipment in the PI’s laboratory and adjacent shared equipment rooms includes 2 cell culture hoods, 2 cell culture incubators, inverted light and fluorescence microscopes, multiple PCR machines, a CellMax system for large-scale cell culture, a Cellaca MX cell counter, -80 and -20 degree C freezers, liquid nitrogen tanks, refrigerators and centrifuges. Autoclave and dishwashing facilities are shared with other laboratories in the Medical Science Building. The Genomics CoLab (directed by Dr. Eckalbar and adjacent to his lab) contains additional equipment, including three 10x Genomics Chromium controllers, one 10x Genomics Chromium X controller, a 10x Genomics CytAssist, a 10x Genomics Xenium spatial transcriptomics machine, Agilent Fragment Analyzer, a multichannel Nanodrop spectrophotometer, and a Beckman Coulter SPRIworks HT system, a Biomek i7-based instrument that allows for full-scale automation of next generation sequencing library preparation, a ThermoFisher KingFisher for automated nucleic acid preparation, an Illumina MiniSeq sequencer, PCR set up, and many other operations.

**Other UCSF Core Facilities:**

All investigators have access to the >85 core facilities at UCSF. Available equipment includes:

* Illumina sequencers (NovaSeq X and 6000, MiniSeq)
* Flow cytometers (located adjacent to the Eckalbar Lab in the Flow Cytometry CoLab)
* High-end microscopy equipment is available through the UCSF Nikon Imaging Center at Mission Bay
* RT-qPCR machines in the Health Science West building in the Parnassus Center for Advance Technology