

Shared Equipment in BSB

Equipment/Instrument	Location	Contact
DNA/RNA Analysis.		
• NanoDrop UV/Vis Spectrometer	BSB 2-88	<u>Dr. William Chirico</u>
• FluoroMax-3 Fluorescence spectrometer by Horiba	BSB 2-88	Dr. William Chirico
• NanoDrop (from Gintzler lab)	BSB 3-72	<u>Dr. Richard Kollmar</u>
• Bio-Rad CFX384 Real-Time PCR System	BSB 2-10	Dr. Patrick Geraghty
• QuantStudio 7 Flex Real-Time PCR System.	BSB 3-115	Dr. Patrick Geraghty
Centrifuges		
• Beckman ultracentrifuge (2 available)	BSB 2-92	Dr. William Chirico
• Sorvall centrifuge 5B (2 available)	BSB 2-92	Dr. William Chirico
• Benchtop ultracentrifuge (Gintzler lab)	BSB 3-72	Dr. Richard Kollmar
Microscopes		
• Zeiss LSM 800 Confocal microscope	BSB 3-57C	Dr. Richard Kollmar
• Conventional fluorescence microscope	BSB East 3rd floor	Dr. Richard Kollmar
• Keyence fluorescence microscope and sectioning module	BSB 4-130	<u>Dr. Ivan Hernandez</u>
Plate Readers		
• Tecan plate reader	BSB 2-88	Dr. Richard Kollmar
• Perkin-Elmer fluorescence plate reader	BSB 3-72	Dr. Richard Kollmar
• Bio-Rad Bio-Plex 200 System	BSB 2-55	Dr. Patrick Geraghty
Imaging and Quantification		
• UVITEC Chemiluminescence imaging system	BSB 3-72	Dr. Richard Kollmar
• LiCor Odyssey Infrared Imager	BSB 3-72	
Flowcytometry		
• BD LSR-Fortessa flow cytometer	BSB 7-077	Dr. Smith-Norowitz
• Novocyte flow cytometer	BSB 3-72	Dr. Chongmin Huan
• Bio-Rad S3 cell sorter	BSB 3-72	Dr. Chongmin Huan
Other		
• Sonicator probe	BSB 2-89 coldroom	Dr. William Chirico
• Sonicator bath	BSB 3-72	Dr. Chongmin Huan
• Beckman scintillation counter	BSB 2-92	Dr. William Chirico
• Gamma counter (Gintzler lab)	BSB 2-92	Dr. William Chirico
• X-Omat (Inquire to Request access)	BSB 6-050	Dr. Henri Tiedge
• Perkin Elmer Liquid scintillation and luminescence counter	BSB 3-72	Dr. Jiang

Equipment available in the Institute of Genomic Health (IGH) Laboratory

Please contact IGH Laboratory staff, Dr. Shwetha Phatarpekar, at igh-services@downstate.edu for using equipment listed below.

Equipment/Instrument	Location	Contact
<ul style="list-style-type: none"> • Agilent TapeStation System • QuantStudio 6 Pro • Thermo Sorvall Legend XTR Refrigerated Centrifuge • Thermocycler (model to be confirmed) • BioTek BioSpa Live Cell Analysis System (owned by the Department of Psychiatry) • 10X Genomics Chromium X (for single-cell analysis) • NovaSeq 6000 (at your discretion whether to include) • Varioskan LUX Multimode Microplate Reader • NanoDrop • Cellometer (for counting cells and nuclei) • CytAssist (for 10x Genomics spatial transcriptomics) • Oxford Nanopore PromethION (high-throughput benchtop DNA/RNA sequencing, up to 48 samples) 	<p style="text-align: center;">PHAB 7th Floor</p>	<p style="text-align: center;">Dr. Shwetha Phatarpekar</p>

Major equipment available for use, owned by Mirimus, Inc Mirimus is a company located in the Downstate Biotechnology Incubator

Cell Imaging

- Fluorescent microscopes
- Confocal microscope
- High powered digital microscope
- Guava Fluorescence Cell Analyzer
- Attune Fluorescence Cell Analyzer
- IncuCyte Live-Cell Analysis System

Plate reader

- SpectraMax Microplate Reader
- AquaMax 2000 ELISA plate washer
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Cytometry

- Flow cytometer, laser scanning cytometer and a cellsorter
- NamoCell Cell Sorter

Other

- Hamilton Automated Screw Cap Decapper
- Mantis automatic liquid handler
- Viaflow 96/384 automatic pipet handler
- Integra Assist pipetting robot
- 620 Potentiostat/Galvanostat/ZRA, Gamry
- Reichert Surface Plasmon Resonance (SPR)

DNA/RNA analysis

- Amaxa electroporation machine
- Lonza 4D-Nucleofector Transfection System
- LI-COR C-DiGit Blot Scanner
- KingFisher Sample Purification System
- iQ Cyclor (Thermocycler)

Animal imaging

- VisualSonics Vevo F2 LT Ultrasound
- Micromanipulator for blastocyst injection
- MYRA liquid handling system
- Coloview Endoscope, Storz
- Leica M165 FC Fluorescent Stereo Microscope
- Dissecting microscope and camera
- Qiaxel capillary DNA analysis for rapid genotyping

Contact

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