MISSION
The University of Maryland Greenebaum Comprehensive Cancer Center Flow Cytometry Shared Service (FCSS) offers equipment and technical expertise to the entire campus, as well as outside clients in conducting research in all areas of basic and applied biomedical sciences.

CORE SERVICES
- Experimental design, troubleshooting, consultation and grant application
- Cell sorting performed by staff
- Monthly lecture covers basic knowledge, useful tools, and new development. Free and open to all.
- Hands on training on analyzers (LSR II, Canto II, Accuri C6, and FlowSight) Investigators are encouraged to use the analyzers independently.
- Training on analysis software

ONLINE BOOKING
https://cibr.umaryland.edu

image courtesy of BD Biosciences

FLOw CYTOMETRy SHARED SERvICES
CIBR: Center for Innovative Biomedical Resources

CORE INSTRUMENTATION

Amnis FlowSight Imaging Cytometer
- 4 lasers: 488 nm, 640 nm, 405 nm, 561 nm
- 10 colors
- 20X magnification
- Autosampler

BD Aria II Cell Sorter
- 4 lasers: 488 nm, 633 nm, 405 nm, 552 nm
- 11 colors
- 96-well single cell sorting, 4-way sorting
- Index sorting
- BSL-2 enhanced sorting inside of bioBUBBLE enclosure

BD LSR II
- 4 lasers: 488 nm, 640 nm, 405 nm, 561 nm
- 13 colors
- High throughput sampler (HTS) for automated acquisition
FLOW CYTOMETRY SHARED SERVICES

CIBR: Center for Innovative Biomedical Resources

BD CANTO II
- 2 lasers: 488 nm, 640 nm
- 6 colors

BD Accuri C6
- 2 lasers: 488 nm, 640 nm
- 4 colors
- Volume measurement, used to calculate cell concentration without counting beads
- Located in HSF II, S107

ANALYSIS SOFTWARE

FCS Express 6 Site License
From now to 8/31/2018, Flow Core pays for unlimited licenses. All users in the University can register at no charge.

FlowJo Dongles
PC and Mac dongles can be borrowed at no charge.

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