The Flow Cytometry Core Facility (FCCF), located in Pinn Hall (Room 2011 and 2013), provides all investigators at the University of Virginia access to high quality, cost effective flow cytometry services. By providing these services, as well as the scientific expertise necessary to effectively use this technology, the facility serves to enhance the scope and quality of scientific research performed at the University. The FCCF works closely with investigators to identify their research needs, develop an appropriate flow cytometric approach, assist in the implementation of the experimental design, and guide in the data analysis and presentation of the data. The staff of the FCCF consider themselves “partners in your single cell analysis needs”. We provide a wide variety of tools to support everything from the simplest to the most complex of single cell studies.

Services

- **Consultative Services**
  - Experimental Design
  - Data Analysis
  - Panel Design
  - Data Presentation
  - Letters of Support

- **Educational Services**
  - Full week course quarterly
  - One-on-One training
  - Seminars
  - Workshops

- **Cell Sorting**
  - Magnetic antibody cell sorting
  - 4-6 way population sorting
  - Single cell sorting
  - BSL1-2+ sorting
  - Sorting for RNA

- **Conventional analytical benchtops**
  - Assisted acquisition
  - Trained unassisted acquisition
  - 96 well plate acquisition
  - 1-17 colors; 2-4 lasers

- **Spectral Flow Cytometer (Aurora)**
  - Panel/experimental design
  - Assisted/unassisted acquisition
  - Data analysis
  - Training

- **Imaging Flow Cytometry (ImageStreamX MKII)**
  - Panel/experimental design
  - Assisted/unassisted acquisition
  - Data analysis
  - Training

- **Data Analysis**
  - FCSExpress software site license
  - Assisted data analysis
  - Computational and Bioinformatics service
    - (Astralabe Diagnostics)
  - Software training/educational seminars

- **Technology Highlights: High Dimensional Cytometry**
  - **Mass Cytometry**
    - Panel design
    - Metal conjugated antibody bank
    - Metal tag Conjugation services
  - **Imaging Flow Cytometry**
    - Imaging Flow Cytometry (ImageStreamX MKII)

- **Computational Analysis**
  - **Flow and mass cytometry (CyTOF)**

- **Specialty Services**
  - **Antibody Conjugation Services**
    - Fluorochrome conjugation
    - Metal isotope conjugation (CyTOF)
  - **Mass Cytometry Antibody Bank**
    - Metal tagged antibodies
    - mouse and human
    - Metal conjugation kits
    - DNA intercalators
    - Viability reagents
    - Crowd sourced or direct purchase
  - **Full Service CyTOF**
    - Panel design
    - Sample labeling
    - Data acquisition
    - Data analysis
  - **Computational Analysis**
    - Flow and mass cytometry (CyTOF)

For more information visit our website: [https://med.virginia.edu/flow-cytometry-facility/](https://med.virginia.edu/flow-cytometry-facility/)
Follow us on Facebook: @uvaflow or email us: fccf-staff2@virginia.edu  Call us: 434-243-2711