

Flow Cytometry Core Facility Training Course

Introductory Flow Cytometry

WHAT? A comprehensive training course in the basics of flow cytometry which will include 12 hours of lecture and 12 hours of hands-on training in the lab. The course can be taken as a lecture only course or as both lecture and lab.

Lecture topics will include:

- A description of flow cytometry, its complementary technologies, and common applications
- The components of a flow cytometer and how they work
- Fluorescence and compensation
- Critical aspects of experimental design
- Data analysis and interpretation

Lab will include (using calibration particles and stained samples):

- A tour of the instrumentation and all of its components
- An introduction to Cellquest software for data acquisition and analysis
- Instrument set up, instrument settings for data acquisition and storage
- Instrument calibration, troubleshooting and maintenance
- Hands-on Data analysis with FlowJo and ModFit software.

WHO? Who should attend:

- Those who wish to run their own samples on a flow cytometer
- Those who already run a flow cytometer but wish to have a better understanding of the technology and the data which is produced
- Those who plan to utilize this technology in the future
- Those who plan experiments and review/interpret data generated by this technology

- **WHEN?** The Core facility will offer the course on a quarterly basis or as needed. The lecture is limited to 30 people per class; the lab will be limited to 16 people, two lab groups per training class. Scheduled class dates will be published on the Flow Cytometry Core Facility website under "<http://healthsystem.virginia.edu/internet/cytometry/Flowtraining.cfm>".

WHERE? Lectures locations will be announced by class date. Labs will be held in the Core facility, Room 7051, Jordan Hall, data analysis lab will be held in the computer lab of the **Academic Computing** in Health Sciences (ACHS) facility in the West Complex.

COST?

- Lecture only - \$300/pp
- Lecture and Lab - \$424/pp
- Applicants from outside UVa are charged a 54% surcharge

All fees include:

- Training Manual
- Continental Breakfast
- A certificate of satisfactory completion
- Coupon for one hour of analytical services (UVa applicants only)

HOW? Interested individuals should complete an application form (available at <http://healthsystem.virginia.edu/internet/cytometry/Flowtraining.cfm>) and submit it to Lesa Campbell, Box 80074, Jordan Hall Rm. 7051 at least two weeks in advance of the date requested. Applications will be approved on a first come first serve basis, with priority being given to UVa applicants and those with no prior flow experience.