

Flow Cytometry Core Facility Training Course

Introductory Flow Cytometry

WHAT? A comprehensive training course in the basics of flow cytometry which will include 8 hours of lecture and 10 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

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 8 people per session, three sessions per class date. Scheduled class dates will be published on the Flow Cytometry Core Facility website under "<http://healthsystem.virginia.edu/internet/cytometry/Flowtraining.cfm>".

WHERE? Lectures will be held in the Jordan Hall G1 & G2. Labs will be held in the Core facility, Room 7051, Jordan Hall.

COST?

- Lecture only - \$250/pp
- Lecture and Lab - \$350/pp

A 10% discount is available for those labs wishing to send 10 or more people within a one year period. All fees include:

- Training Manual
- Continental Breakfast
- A certificate of satisfactory completion
- Coupon for one hour of analytical services

HOW? Interested individuals should complete an application form (available at <http://healthsystem.virginia.edu/internet/cytometry/Flowtraining.cfm>) and submit it to Joanne Lannigan, Box 80074, Jordan Hall Rm. 7067 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 those with no prior flow experience.