

Advanced Methods Workshop – **Flow Cytometry**

Instructor:

Amanda Jamieson

General Information:

The course will take place at the end of April. An introductory lecture will be given, followed by 2 days of a hands-on workshop to learn basic techniques for preparing and running samples on a flow cytometry machine. As it is a rather short course all parts must be attended for credit.

Day 1

- Staining of bone marrow derived macrophages with Annexin V and propidium iodide to analyze cell death
- Cell cycle analysis of cells by flow cytometry

Day 2

- Four color staining of splenocytes

This course will introduce the various uses for flow cytometry in different fields of biology. It will also demonstrate how to prepare some samples. Also students by the end will be familiar with the software used for flow cytometry and how to do basic steps such as electronic compensation.