

Flow Cytometry Shared Resource



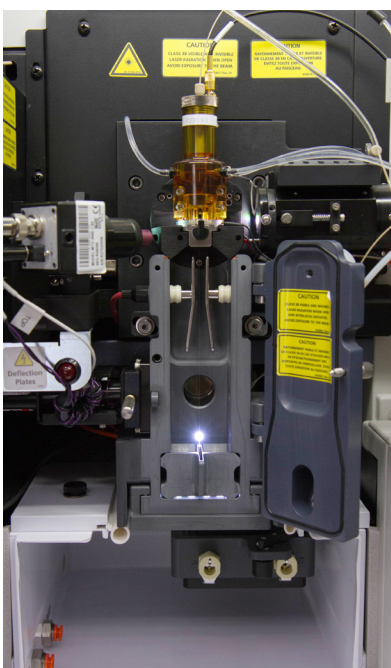
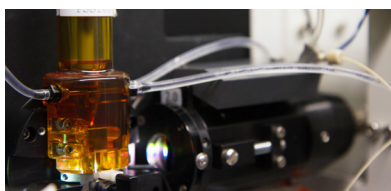
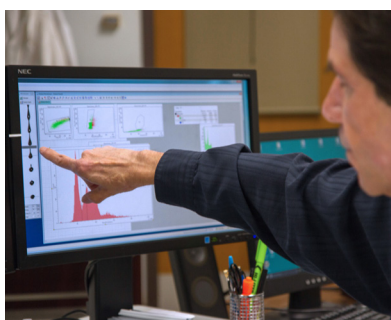
Core Facilities Fair 2017

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Flow Cytometry Shared Resource



Flow cytometry is a powerful tool that can measure functional and structural characteristics of heterogeneous mixtures of cells and particles in suspension. As a shared resource of Arizona Research Laboratories and the UA Cancer Center, the Cytometry Core Facility, or CCF, offers instrumentation to analyze, quantify, and sort cells and particles in a fluid suspension through the use of flow cytometry.

The CCF provides the knowledge and skills necessary to competently perform cell sorting, acquisition, and analysis functions, and interpret the results of those functions. The Facility also offers information about new techniques, instrumentation, and applications of flow cytometry provided through biotechnology-sponsored workshops and seminars.

The cell-sorting function of flow cytometry can physically separate these cells into different classes. Using this technique, the CCF gives researchers the capability to analyze and sort cells by differences in physiology, metabolism, morphology, and other characteristics. The ability to distinguish different cell types is limited only by the ability to attach specific fluorescent dyes to the cells.

Instrumentation in the CCF includes a five-laser BD FACSria II cell sorter, two-laser BD FACSCanto II analyzer, and a five-laser BD LSR II analyzer. The CCF provides consulting services to help investigators plan new projects. Individualized training of CCF users for flow analyzers (the FACSCanto II and LSR II analyzer) is also available. The LSR II analyzer is located in a satellite facility in the Medical Research Building and is available to users on a 24/7 basis. All other services are available during regular business hours (8 a.m. to 5 p.m., M-F) or upon special request. An online scheduler is available to reserve services.

Engage with us today

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