

# Becton Dickinson Immune Function Laboratory (BDIFL)

Directors: Joseph B. Margolick, MD, PhD and Jay H. Bream, PhD



The BDIFL was established to foster interdisciplinary research in immunology and public health. We are available for consultation, e.g., advice and protocols, pilot studies, long-term projects, and data analysis.

We have the following instrumentation:

## Flow Cytometers

Instrument	Laser Wavelength (nm)	Available Fluorescence Parameters
<b>BD FACSCalibur</b>	488 (blue) 635 (red)	4
<b>BD LSR II</b>	405 (violet) 488 (blue) 633 (red)	14
<b>Amnis ImageStreamX MKII</b>	405 (violet) 488 (blue) 561 (green) 642 (red)	5+BF

For more information please contact facility manager:

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## Multiplex Molecular Analysis:

**Meso Scale Discovery SECTOR Imager 2400:** High-throughput, high-sensitivity, multiplex alternative to ELISA utilizing electrochemiluminescence detection of analytes. Can be used to detect a wide variety of analytes (e.g., cytokines, chemokines, hormones, phosphoproteins, and other biomarkers)

**Luminex MagPix:** High-throughput, high-sensitivity, multiplex alternative to ELISA. Can be used to detect a wide variety of analytes (e.g., cytokines, chemokines, hormones, phosphoproteins, and other biomarkers)

## Other Instrumentation:

**Cellular Technology Ltd. ImmunoSpot Series 3 Analyzer:** Plate reader designed for scanning and evaluating microtiter plate-based bioassays (ELISpot assays)

**Offline Analysis Station:** Featuring BD FACS Diva software and FlowJo software

## Other Services:

**FlowJo Site License Purchase Discount:** Annual seats available for purchase at significant discount.

**Assisted Data Analysis, Training and Consultation:** Experienced, trained staff to assist with experimental design, proper controls, panel design, troubleshooting and instrument use

