

QUIK-BIC

A brief overview of Personnel, Facilities and Services of the Biomedical Instrumentation Center at USUHS

FOR MORE INFO, See our Website: <http://bic.usuhs.mil/>

Administration

Mark R. Adelman, Director
301-295-8286
adelman@bicwater.usuf1.usuhs.mil



Sharon Jackson, Program Support Assistant
301-295-5674
sjackson@usuhs.mil

Located in the Main BIC Suite (G230), we provide overall guidance for use of various BIC facilities, arrange for after-hours access, place and track orders, maintain records for the BIC Chargeback Cost Recovery system, etc. Call us with complaints or suggestions for improvements in BIC services.

NUCLEIC ACID AND POLYPEPTIDE SYNTHESIS & SEQUENCING

Michael Flora, Senior Coordinator
301-295-3656
mflora@usuhs.mil



Zhao-Zhang Li, Chemist
301-295-3657
zli@usuhs.mil

Located in A2007, we maintain and operate three DNA/RNA synthesizers, an automated DNA sequencer, a peptide synthesizer, and a protein/peptide sequencer. Ancillary equipment includes two HPLC systems, a thermal cycler, speed vacs, spectrophotometer, etc.

FLOW CYTOMETRY



Karen M. Wolcott, Technical Coordinator
301-295-3544
kwolcott@usuhs.mil

Located in B3131, we maintain and operate a Coulter EPICS ELITE ESP Flow Cytometer (Cell Sorter), a Coulter EPICS XL-MCL Flow Cytometer (Cell Analyzer) and a LUMINEX 100 (Bead Based Multi-Analyte Detection System). Ancillary equipment is available for sample preparation for the LUMINEX100. Flow Cytometry analysis programs are available for extensive analysis and graphic output.

MICROSCOPY, IMAGE PROCESSING, LASERS, OPTICS, COMPUTER OPERATIONS

Tom Baginski, Microscopy Coordinator
301-295-5691
tbaginski@usuhs.mil



József Czégé, Physicist & Computer Engineer
301-295-9408
czege@lbc.usuf1.usuhs.nnmc.navy.mil

We maintain an EM (and sample prep areas) in B2064. The main BIC suite (G230) houses two confocal microscopes, one wide-field deconvolution LM system and several research grade conventional light microscopes, as well as digital and video cameras. Also available are various computers and software to help you with image analysis/processing, as well as high quality printer capacity. And our array of lasers and optical components can be configured to assist you with a variety of experiments.

OTHER

The BIC also houses two wet labs for biochemistry and cell biology, a small machine shop for equipment fabrication and repair, and a BIAcore Optical Sensor System. A MALDI-TOF MS and apparatus for 2-D gel electrophoresis form the core of a Proteomics suite that should be operational in late 2002 or early 2003.