**MAJOR EQUIPMENT**

**Dr. Lyle Isaacs**

The following pieces of equipment are located in the Laboratory of Prof. Lyle Isaacs in the Department of Chemistry and Biochemistry at the University of Maryland that may be used for this project:

PEAQ Isothermal Titration Microcalorimeter (Microcal)

UV/Vis spectrophotomer (Cary Bio100)

Fluorescence Spectrophotometer (Hitachi F-4500)

Capillary Electrophoresis (Beckman PACE 5000)

HPLC (Varian ProStar)

Vapor pressure osmometer (Wescor 5520)

RapidVap (Labconco)

Microwave synthesizer (CEM Discover)

Thermomixer (Eppendorf)

The following pieces of major shared instrumentation are located in the Department of Chemistry and Biochemistry and may be used by Dr. Isaacs’ research group for a fee:

NMR spectrometers (Bruker 400, 500, 600, 800 MHz) under the direction of staff member Dr. Fu Chen and Dr. Yingde Wang.

Mass spectrometers under the direction of staff member Dr. Yue Li – available techniques include electron impact, fast atom bombardment, chemical ionization (JEOL); electrospray (JEOL Accutof with a DART atmospheric ionization accessory); MALDI-TOF (Shimadzu).

X-ray crystallography under the direction of staff member Dr. Peter Zavalij – single crystal and powder diffractometers.