**FACILITIES & OTHER RESOURCES**

**University of Maryland**

**Dr. Lyle Isaacs**

**Laboratory:** The Isaacs group laboratories (≈ 1400 sq. ft.) are housed in the newest wing of the chemistry building and comprise bench and hood space for 8 students. This space is fully equipped for the synthetic (e.g. vacuum lines and pumps, rotary evaporators, centrifuge, hotplate stirrers, microwave synthesizer, freezers, lyophilizer, common glassware, etc.) and analytical (Isothermal Titration Microcalorimetry, UV/Vis spectrometer, fluorescence spectrometer, HPLC, thermomixer, capillary electrophoresis) aspects of the proposed research. Adjacent to the synthetic laboratories are two instrument rooms (≈ 600 sq. ft.) for group use.

**Clinical:** Not applicable.

**Animal:** Not applicable.

**Computer:** The Isaacs group computer resources include an iMac and HP Laserjet for PI use. For student use we have an iMac, a MacBook, and an HP printer. The labs are outfitted with wireless internet. These computers run standard word processing, scientific data analysis, graphics creation, and molecular modeling software packages.

**Office:** Dr. Isaacs’ office space is located across the hall from the synthetic labs and instrumentation rooms. Students have desk space adjacent to their respective benches and fume hoods.

**Other:** Dr. Isaacs research group has access to all of the shared instrumentation facilities within the Department of Chemistry and Biochemistry at the University of Maryland. Most relevant to the work proposed herein are the NMR (800, 3 x 600, 500, 4 x 400 MHz, directed by Dr. Fu Chen), x-ray (single crystal and powder diffraction capability, directed by Dr. Peter Zavalij), and mass spectrometry (ESI, MALDI, FAB, EI, high resolution, directed by Dr. Yue Li) facilities which are directed by Ph.D. level staff members.