



EQUIPMENT

In terms of polymer synthesis and characterization, we have access to a Perkin Elmer DSC-7 differential scanning calorimeter and TAC-7/DX thermogravimetric analyzer, Cahn DCA-315 dynamic contact angle analyzer, a Bio-Rad Excalibur FTS 3000MX FTIR, a Perkin Elmer HPLC system with column heater, as well as refractive index, photodiode array, evaporative light scattering, radioisotope, low angle laser scattering and fluorescence detectors.

The molecular and cell biology analysis area is equipped with a Millipore Milli-Q ultra-pure water purification system, and we have access to a Microm HM 505E cryotome, an ABI Prism 7700 real time-PCR machine, Tecan Safire fluorescence and UV/Vis plate reader.

The laboratory's cell culture facility contains a class IIA/B3 biosafety cabinet, 1 double CO2 incubator, and we have access to a FlexCell Tension Plus Culture System, a Becton Dickinson FACSCalibur fluorescence activated cell sorter, ELISPOT colony counter, and Coulter Z1 and Hemavet cell counters.

In terms of microscopy, we have access to an Arcturus PixCell II Laser Capture Microscope, a Nikon TE300 inverted brightfield and fluorescence microscope, a Leitz Laborlux S upright brightfield and fluorescence microscope, and a computerized image analysis system.

RESOURCES

AFFINITY THERAPEUTICS LAB SPACE

Dr. Korley currently has approximately 800 square feet of laboratory space located in the CRADLE facility of Sherwin-Williams. The space includes a fully equipped, dedicated polymer synthesis and characterization area, a molecular and cell biology area and a cell culture facility. He also has three IBM-compatible personal computers for running software that drives specialized equipment, analyzing and preparing data, writing papers, and preparing presentations.

Dr. von Recum currently has about 1,200 square feet of laboratory space on the campus of CWRU. The space includes a fully equipped, dedicated polymer synthesis and characterization room, a molecular and cell biology analysis room, a cell culture facility, and microscopy rooms plus additional storage areas. He also has five Dell personal computers for running software that drives specialized equipment, analyzing and preparing data, writing papers, and preparing presentations. Administrative and secretarial support is provided within the Department of Biomedical Engineering to assist in the preparation of grants and manuscripts, ordering supplies, and more.