### NUCLEAR MEDICINE RESEARCH SPACE - WOODRUFF MEMORIAL BUILDING

Nuclear medicine research space is located on the first floor of the Woodruff Memorial Research Building, which is attached to Emory University Hospital.  There are 642 sq. ft. of laboratory research space which contains all necessary equipment standard for synthetic chemistry, radiolabeling and production of radiotracers. It includes two six-foot fume hoods, one three-foot fume hood, and one biological safety cabinet, two refrigerators and two freezers (-53C), two Buchi rotary evaporators, gravity convection oven, vacuum oven, microscope, melting point apparatus, four infusion pumps and Endosafe PTS system for bacterial endotoxin testing.  An additional 320 sq. ft. are available for animal research is devoted 100% to this project.

Major equipment in our laboratory includes the Perkin Elmer 1480 WIZARD2 gamma counter designed for superior counting performance with all types of samples. It can accommodate both I-131 and Tc-99m (or F-18) simultaneously, two Beckman HPLC systems which are each dedicated to radiochemical separations and equipped with model 170 radiometric detectors, 166 UV/VIS detectors and a C-18 RP Beckman Ultrasphere ODS 5 mm column (4.6 mm x 250 mm); both use 32 Karat chromatography software.  Additional equipment items include a Waters HPLC system, which is only capable of non-radioactive chemical characterization and separation, and a dose calibrator (Capintec CRC-5).

Two desktop computers (Dell and Lenovo) and two HP laser printers for lab use.