



Virginia Commonwealth University Health Systems Laboratory Projects Richmond, Virginia

Bio-Safety Laboratory BSL-2 to BSL-3 Renovation

McKinney and Company provided full-service design, construction documentation and construction administration for the renovation of this existing laboratory space to a higher level of bio-safety. The renovation of space to BSL-3 level containment includes: casework rework and reuse, containment barrier rework to create a laboratory envelope, specification of all major equipment such as autoclave and bio-safety cabinets, and complete coordination of mechanical, electrical, plumbing and security drawings.

The laboratory was certified by the CDC for select agent use on our first attempt June 14, 2005. CDC inspectors stated "This laboratory is the best renovation to BSL-3 we have ever seen."

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HLA-Tissue Typing Laboratory

McKinney and Company is engaged with VCUHS to review and verify the existing HLA laboratory footprint within McGuire Hall. The scope of the project includes recommendations for the square footage necessary for a functional tissues typing laboratory. The new HLA Laboratory is designed to accommodate sciences such as ELISA, DNA discovery, Serology, radioactive analyses, and flow cytometry. The recommended design provides for more efficient open laboratory with segregated equipment rooms for high heat and noise, appliances, radioactive analytical equipment, and cryogenic storage systems.



Islet Laboratory

McKinney and Company is working with the VCUHS on the design of a cGMP facility, Class 100,000 islet lab on the 7th floor of the Gateway building on the VCU-Medical campus. The laboratory will be a wet lab used to prepare recipient cells for infusion in the livers of diabetic patients, replacing the need for insulin dependence.

A nine level, 200,000 SF diagnostic and treatment facility, the Gateway Building serves as the hospital's front entrance.



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