

Office of Communications and Marketing

502-852-7504

Clinical and Translational Research Building (CTR)

Location: University of Louisville Health Sciences Center, southeast corner of South Hancock Street and East Muhammad Ali Boulevard.

Context: The CTR is the first phase of a design that will create a front door for the University of Louisville's new East Medical Research Complex, located on the Health Sciences Campus. It is designed to anchor the northern edge of this new zone, designated in the 20-year campus master plan.

Purpose: Laboratory space for research that has potential for clinical and translational applications, particularly cancer research. The CTR will provide flexible and adaptable state-of-the-art biomedical research facilities, designed to promote interdisciplinary collaboration between scientists working in the building. Open laboratory concept allowing modular laboratory assignment. Core laboratories including flow cytometry, microarray, advanced diagnostic imaging services and tumor bank.

Specifications: 287,970 square feet on seven levels

- Basement: 45,450 square feet (laboratory support services)
- Level One: 34,860 square feet (meetings, seminar rooms and lobby)
- Levels Two through Six: 36,470 square feet on each level (labs and offices)
- Penthouse: 25,310 square feet (mechanical and electrical)

Occupancy: Approximately 649 individuals

- Approximately 90 Principal Investigators (Research Scientists)
- 504 Laboratory Research positions (junior investigators, research assistants, graduate students and postdoctoral fellows)
- 25 Research Clerical Support
- 30 Building Operations and Laboratory Support Staff

Cost: \$143.1 million, including equipment, furnishings and a separate project needed for the extension of a major steam-chill tunnel to connect the East Research complex with the rest of the Health Sciences Campus.

Sources of Funds: Agency bonds \$15.8 million, State bonds \$108.8 million, Federal Earmark \$10.3 million, \$1.4 million from the Office of the Executive VP for Research, \$6.8 million from other private funds.

Architectural Team:

Arrasmith, Judd, Rapp, Chovan, Inc. (Louisville, KY) – Prime Architects and Planners
The Smith Group (Detroit, MI) – Design & Lab Planning Consultant
Staggs & Fisher (Louisville, KY) – Mechanical & Electrical Engineers
Rangaswamy & Associates (Louisville, KY) – Structural Engineers
Aegis Security Design (Louisville, KY) – Security Consultant

Construction Management:

Messer Construction – General Contractor

Special Features: The CTR is seeking Silver LEED Certification. The CTR building, like all new construction at the University of Louisville, is designed to meet LEED Certification with the USGBC (United States Green Building Council). For complex research buildings, this is a challenging process. Some of the innovative design features of the CTR are: use of condensate for landscape irrigation, building heat recovery systems, as well as oxygen sensory for proper HVAC controls to minimize energy use at off hours.