The Boyer Center for Molecular Medicine at the Yale School of Medicine provides opportunities for advanced study in the fields of molecular genetics, neurobiology, molecular oncology, and cardiobiology. This multi-disciplinary building overcomes traditional departmental separations by enabling interaction and dialogue among researchers. At the time of its opening, the facility was one of only two molecular medicine centers in the country.

The Boyer Center is a gently curving four-story bar building that takes its shape from two street grids that meet at the site in an oblique angle. The typical floor plan is a double-loaded corridor with laboratories on the street side and offices and lab support facing a rear yard. Offices are grouped in two pods of four, evenly spaced along the corridor among refrigerator and equipment rooms. At the west end of the building, closest to the heart of the medical school campus, an administrative area houses the lobby, conference and seminar rooms, and offices for the director and staff. Bridges at the second and third floors and a tunnel at the basement level connect the Boyer Center to the rest of the campus. Researchers, formerly working throughout the School of Medicine, are now connected to Yale-New Haven Hospital and the School of Medicine.

The building’s architectural detail is sympathetic to the proportions, scale, and materials of the existing buildings of the medical school, which adhere loosely to the Georgian style. The façade is articulated by 30-foot (nine-meter) structural bays, with horizontal emphasis achieved by alternating brick and stone bands. Two lead-coated copper air intake shafts flank the front entrance. Their flared tops accommodate airflow while aligning with the copper cornice of the adjacent Hope Building. The long, continuous façade aligns with others on the street, matching the scale of the surrounding city. In contrast to the tautness of the front of the building, the rear folds onto itself, broken by projections for offices and stairs. At the upper floors, the building steps back to accommodate outdoor terraces, encouraging interaction among research teams.
Boyer Center for Molecular Medicine, Yale University