

Colleges and Universities : Research Facilities

Recent Projects

- **University of Massachusetts Dartmouth, Dartmouth, MA**
Interdisciplinary Science and Engineering Building
Programming, facility assessment, utilization studies, site planning, lab planning, design, and construction administration services for new and renovated research and teaching facilities to serve the Colleges of Arts and Sciences, College of Engineering, and College of Nursing; project includes analysis of needs for all STEM and health sciences programs and assessments of Dion, Textile, and Violette Halls as well as the existing Science and Engineering Building on this historic, architecturally significant campus designed by Paul Rudolph; 100,000 gsf; \$40 million construction cost; final completion TBD.
- **SUNY College of Environmental Science and Forestry, Syracuse, NY**
Academic Research Building
Programming, lab planning, full architectural design, and construction administration of new building to house research laboratories, support facilities, classrooms, collaboration space for faculty and students, academic offices; exhibit and gallery space; public outreach program; sustainable features include green wall, green roof, living-learning landscape designed to achieve net-zero stormwater runoff; building designed to achieve LEED Silver certification; 55,000 gsf; \$30 million; construction completion 2018.
- **Rowan University, Glassboro, NJ**
New College of Engineering Building
Programming, lab planning, design, and construction administration services for a new 90,500 gsf building for the College of Engineering and programming services for renovation of the 107,000 gsf existing engineering building, Rowan Hall. The new building will house research and teaching facilities for Biomedical, Civil/Environmental, Electrical, and Computer Engineering; Rowan Hall will house Chemical and Mechanical Engineering as well as mechanical shop space. Program components in the new building include research and teaching laboratories and classrooms, lab support, shops, student spaces, team collaboration rooms, and a Student Commons with spaces for interaction and collaboration, as well as food service; a new connector bridge, to be occupied by the Dean's suite and administration offices, will link the new building with Rowan Hall; 90,500 gsf new; \$45 million; 2017. Ellenzweig is Design Architect and Lab Planner, working in collaboration with Clarke Caton Hintz, Architect of Record.
- **Michigan State University, Grand Rapids , MI**
Medical Research Building
Programming, lab planning, design, and construction administration of a new research building to serve Michigan State's College of Human Medicine located on the University's western campus in Grand Rapids. Program includes research labs, lab support, offices, core labs, vivarium, 140-person meeting room, collaboration spaces, and break areas; 160,000 gsf; \$65 million; 2017. Ellenzweig is Design Architect and Laboratory Planner, working in collaboration with SmithGroup, Architect of Record.
- **University of Minnesota, St. Paul, MN**
Microbial Sciences Research Building
Programming, lab planning, and design of a new laboratory building for the College of Biological Science; College of Food, Agriculture and Natural Resource Science; and the College of Veterinary Medicine; program includes research laboratories and support, spaces for collaboration, and offices; Ellenzweig is collaborating as Interior Architect/Lab Planner with HGA, Exterior Architect/Architect of Record; 61,000 gsf new; \$35.5 million; 2016.

- **University of Massachusetts Dartmouth, New Bedford, MA**
School of Marine Science and Technology
Programming, lab planning, design, and construction administration services for a new academic research building and renovations to existing facilities to serve the University's Department of Fisheries and Oceanography and Department of Estuarine and Ocean Sciences, and the Massachusetts Division of Marine Fisheries; program includes specialized research laboratories, lab support, teaching labs and classrooms, computer room, conference spaces, offices, and community outreach and partnership spaces; 100,000 gsf; \$32 million; 2016.
- **Yale University, West Haven, CT**
Energy Sciences Center II Renovation
Programming, lab planning, design, and construction administration services for new research space for the Energy Sciences Center in an existing building (W-A21) on Yale's West Campus; program components include material science laboratories and support, faculty and student offices, conferencing, and other administrative support space; 27,500 gsf; \$10 million; 2015.
- **Massachusetts Institute of Technology, Cambridge, MA**
Department of Earth, Atmospheric, and Planetary Sciences (EAPS) Study
Feasibility, programming, and planning study to consolidate space assigned to EAPS and evaluate new plan options centered on the renewal and renovation of and addition to Building 54 (the main home of EAPS activities). Study tasks included review of existing space data; estimation of growth scenarios for the Department; determination of research affinities; review of existing building condition reports; and recommendations regarding how to achieve programmatic priorities within the existing building and in an annex; 197,550 gsf; \$140 million estimated construction cost; study completed 2014.
- **Northeast Ohio Medical University, Rootstown, OH**
Research and Graduate Education Complex
Development of 25-year campus master plan followed by programming, lab planning, design, and construction administration services for three project components: the new Research and Graduate Education Building, addition and renovations to the Comparative Medicine Unit, and renovation of Building "D" to provide laboratories for public/private partnership; program includes research laboratories, lab support, seminar and conference rooms, faculty offices, mechanical plant, connecting bridge; 93,000 gsf; \$34.4 million; 2013. LEED Silver certification targeted.
- **Massachusetts Institute of Technology, Cambridge, MA**
David H. Koch Institute for Integrative Cancer Research
Program verification, feasibility study, lab planning, design, construction administration for new building bringing together biologists and engineers dedicated to cancer research. Program includes engineering and biology research laboratories, lab support, a variety of core labs, vivarium, imaging facility, conference facilities, meeting spaces, cafeteria, offices, street-level gallery featuring research exhibits, and administrative functions; 360,000 gsf; \$210 million; 2011. LEED Gold certified.
- **Harvard University, Cambridge, MA**
Department of Chemistry and Chemical Biology
In a collaboration with Harvard University's Chemistry Department that has been continuous from 1973 to the present, Ellenzweig has planned and designed more than 70 research laboratory projects totaling over 500,000 gross square feet in the Cabot Science Complex. Examples include:
Naito Chemistry Building. New building housing chemistry research laboratories for organic, synthetic, and physical chemistry and chemical biology; laboratories are built around large research groups led by individual principal investigators; research suites include lab support, offices, conference rooms,

break-out areas; 60,600 gsf base building completed 2000, with fit-outs and renovations continuing through 2009.

Bauer Life Sciences Building and Core Lab Center. New flexible research laboratory building bringing together Research Fellows from chemistry, biology, mathematics, physics, and computer science; building housed research labs for genomics, proteomics, and bioinformatics and Core Lab Center, including robotics fabrication facility, mass spectrometer, optics, X-ray, media prep, Center for Imaging and Meso-Scale Structures; a cybercafé, lab-floor seminar rooms; fish facility; 62,500 gsf; \$25 million; base building completed in 2003, with renovations and fit-outs continuing through 2008.

Betley Laboratories. Renovation and expansion of current laboratory space for Professor Theodore Betley's Research Group, located in the Mallinckrodt Laboratory Building in the Cabot Science Complex, to provide wet labs, glove box room, radioactive instrumentation lab, instrumentation lab, office, graduate student offices, and chemical storage; 8,000 gsf; \$4 million; construction completion 2015.

Cohen Laboratories. Renovation and expansion to provide new research laboratories with related support spaces for Professor Adam Cohen's research group; program includes chemistry and biology labs, a new instrument/laser lab suite, and student office space; 4,000 sf; \$2.6 million; 2014.

Nocera Chemistry and Chemical Biology Laboratories. Renovations to provide new research laboratories with related support spaces for the 30-person research group of Daniel Nocera, Ph.D.; facilities include research labs, lab support, conference and meeting space, and offices; 11,700 gsf; \$10 million; 2013. LEED Gold certified.

Schreiber Chemical Biology Laboratories. Medical science research laboratories with related support spaces for Stuart Schreiber, Director of Chemical Biology, founding member of the Broad Institute at Harvard and MIT, and Investigator with the Howard Hughes Medical Institute; 1,800 gsf; \$1.5 million; 2008. LEED Gold certified.

Jacobsen Chemistry Laboratories. Physical-organic chemistry research laboratories and support spaces for Professor Eric Jacobsen's Research Group; 7,500 gsf; \$4 million; 2009. LEED Gold certified.

Zhuang Chemistry and Chemical Biology Laboratories. Research laboratories with related support spaces for Xiaowei Zhuang, Professor of Chemistry and Chemical Biology, Professor of Physics, Howard Hughes Medical Institute Investigator; 7,300 gsf; \$3.5 million; 2008. LEED Gold certified.

Liu Chemistry Research Laboratory Suite. Programming, lab planning, design, and construction administration for research laboratories and office suite for David Liu, Professor of Chemistry and Chemical Biology and Howard Hughes Institute Investigator; 6,800 gsf; \$3 million; 2007.

Park Chemistry Research Laboratories. Renovation and new construction for Professor Park and senior faculty. Chemistry, biology, physics (laser and optics) research labs, support spaces, seminar and meeting rooms, faculty and graduate student office; relocation of library and NMR facility; 20,000 gsf; \$10 million; 2005.

Kahne and Walker Chemistry Research Laboratories. Research laboratory fit-out for new senior faculty in shell space in the Naito Chemistry Building including research labs, support spaces and faculty offices, and new seminar room in Converse Building; 10,000 gsf; \$4 million; 2004.

- **Woods Hole Oceanographic Institution, Woods Hole, MA**
Laboratory Building for Ocean Sensors and Observing Systems
Programming, lab planning, design, construction administration services for new interdisciplinary research center for scientists and engineers developing sensors and supporting technology for ocean observation; laboratories and support for Ocean Observatories Initiative, Ocean Bottom Seismometer Instrument Pool, and Martha's Vineyard Coastal Observatory; variety of testing labs, assembly spaces, fabrication and instrumentation spaces, offices, meeting and conference rooms,

high-bay spaces, visitor reception area, control room viewing work of the LOSOS scientists and engineers; 30,000 gsf; \$12 million; 2012. LEED Gold certified.

- **Eastern Virginia Medical School, Norfolk, VA**
Medical Education and Research Building and Phased Renovations of Jones Institute/Lewis Hall/Brickell Library Complex
Programming, lab planning, design of new and renovated research and teaching facilities to serve the Medical School and School of Health Professions. Program includes research laboratories, core labs, vivarium for non-human primates, clinical skills/simulation suite, lecture halls, classrooms, teaching laboratories, lab support, offices, administrative areas; 100,500 gsf new, 70,400 gsf renovated; \$52 million; 2011. Ellenzweig served as Design Architect and Lab/Educational Facilities Planner, working with Hanbury Evans Wright Vlattas + Associates, Architect of Record. LEED Silver certified.

- **Iowa State University, Ames, IA**
Hach Hall Chemistry Building
Programming, lab planning, and design of new chemistry building; program includes research and teaching labs, pre-lab classrooms, lab support, Commons/lobby for Departmental and campus-wide functions, and offices; 140,000 gsf new; \$53 million; 2010. Ellenzweig served as Design Architect and Laboratory Planner, working with OPN Architects, Architect of Record. LEED Gold certified.

Hach Hall Chemistry Building Basement Fit-Out
Programming, lab planning, and design of laboratories located in the basement of Hach Hall, constructed in 2010 as shelled space; 10,500 gsf; \$3 million; 2015. Ellenzweig served as Design Architect and Laboratory Planner, working with OPN Architects, Architect of Record.

- **University of Kentucky, College of Pharmacy, Lexington, KY**
Biological Pharmaceutical Complex
Ellenzweig provided programming, lab and instructional facilities planning and design, and architectural design for the new home of the College of Pharmacy, a building that houses all Pharmacy functions: research, teaching, Medicinal Chemistry, and Pharmaceuticals; teaching laboratories including compounding lab, patient interaction lab, and sterile I/V prep lab; lab support; a clinical simulation center with 10 exam rooms, a briefing room, write-up room, control room, standardized patient lounge/briefing area, and storage areas; core facilities including NMR and mass spec labs; animal facility; meeting and conference rooms; lecture halls; a variety of classrooms including small-group learning and seminar rooms; lounge and social spaces; offices for faculty, graduate students, and administration; and the central atrium that serves as the main function space; 300,000 gsf; \$132 million; 2010 (fit-out of final two research floors completed 2012);. Ellenzweig served as Design Architect and Lab/Instructional Facilities Planner in a collaboration with EOP Architects, Architect of Record.

- **University of Maryland Baltimore, School of Pharmacy, Baltimore, MD**
Pharmacy Hall Addition
Programming, lab planning, and design for major addition and renovations to existing Pharmacy Hall, including teaching and research labs, pharmaceutical practice labs, lecture halls, problem-based classrooms, lab support, meeting and conference rooms, lounges, faculty and administration offices; new atrium serves as primary function space and connects first three floors of the addition to the original building; bridges connect the two at the upper four floors; 127,400 gsf new, 10,000 gsf renovation; \$58 million; 2010. Ellenzweig served as Design Architect and Lab/Educational Facilities Planner, working with Richter Cornbrooks Gribble, Architect of Record. LEED Gold certified.

- **Syracuse University, Syracuse, NY**
Life Sciences Building
Programming, feasibility study, lab planning, design, and construction administration services for new teaching (Chemistry and Biology) and research (Biology) facility; includes research and teaching laboratories, support, classrooms, 246-seat lecture hall and 108-seat tiered classroom, vivarium, greenhouse, plant growth chambers, imaging center, and the RESTORE science incubator--core labs serving as an interdisciplinary center for environmental biotechnology, and to promote and develop scientific partnerships with area research institutions; 235,000 gsf; \$78 million, 2008; vivarium fit-out completed in 2011.
- **University of Vermont, Burlington, VT**
Jeffords Hall Plant Sciences Building
Programming, lab planning, and design of new research and teaching building integrating two departments within the College of Agriculture and Life Sciences—the Department of Plant and Soil Science and the Department of Plant Biology; research and teaching labs and support; faculty, staff, and student offices; lounge and meeting spaces; computing center; teaching gardens and arboretum; 100,000 gsf; \$38 million; 2010. Ellenzweig served as Design Architect and Lab Planner, working with Freeman French Freeman, Architect of Record. LEED Gold certified.
- **University of Florida, Gainesville, FL**
Biomedical Sciences and Engineering Research Building
Site planning, programming, lab planning, and design of new multidisciplinary research facility for three departments: Biomedical Sciences, Biomedical Engineering, and Animal Care Services; program includes generic research labs, core labs, 60,000 gsf vivarium, administrative operations; 160,000 gsf; \$73 million; construction completion 2009. Ellenzweig served as Design Architect and Lab Planner; HuntonBrady Architects served as Architect of Record. LEED Gold certified.
- **The University of Chicago, Chicago, IL**
Gordon Center for Integrative Science Research
Program verification, lab planning, design, and construction administration of new research facility bringing together the Physical and Biological Sciences. Building program includes research labs for chemistry, biology, and physics; laboratories and administrative functions for the Howard Hughes Medical Institute, the Ben May Institute for Cancer Research, and the James Franck Institute; lab support; 24,500 gsf vivarium, offices, café, atrium, and chilled water facility; 456,000 gsf; \$135 million; 2006 (with lab fitouts continuing through 2007).
- **University of Pennsylvania, Philadelphia, PA**
Lynch Life Sciences Research Building
Master planning, programming, lab planning, design, and construction administration services for a new building providing research space for the Department of Biology, including the Center for Genomics and Plant Science Institute; program also includes a vivarium, fish and aquatics facility, plant growth facility, research greenhouse, offices, lounges, and collaboration spaces; 110,000 gsf new; \$44 million; 2006.
- **University of Florida, Gainesville, FL**
Genetics Institute and Cancer Research Center Complex
Programming, lab planning, and design of new facility to house research, training, and administrative operations of the Genetics Institute and the Shands Cancer Research Center; project includes research labs, core labs, 45,000 gsf vivarium, lecture halls, classrooms, offices, and 25,000 gsf Biotechnology Laboratory Pavilion; 280,000 total gsf; \$77 million; 2006. Ellenzweig served as Design Architect and Lab Planner; HuntonBrady Architects served as Architect of Record. LEED Certified.

- **Woods Hole Oceanographic Institution, Woods Hole, MA**
Marine Research Building and Biogeochemistry Building
Master planning, programming, lab planning, design, and construction administration of two new research buildings for marine mammal research. Program includes laboratories, necropsy scanning/operating/storage suite, conference and meeting rooms, researcher offices, lounges; project included renovation and expansion of the Central Energy Plant; 70,000 gsf; \$25 million; 2005.
- **University of Massachusetts, Amherst, MA**
Engineering Research Building
Programming, lab planning, design, and construction administration services for a new interdisciplinary research building for the Department of Civil and Environmental Engineering and Department of Chemical Engineering; labs, lab support, offices, conference rooms, and campus-wide learning center consisting of a 195-seat auditorium and a 35-seat distance learning classroom; 57,000 gsf; \$20 million; 2004.
- **Massachusetts Institute of Technology, Cambridge, MA**
Building E19 Renovations for the McGovern Institute for Brain Research and Picower Center for Learning and Memory
Programming, lab planning, design, and construction administration services for renovation of former office-building floors into research laboratories, faculty offices, and departmental headquarters for brain, learning, and memory research; includes biochemistry, molecular biology, behavioral, slice, computer and support laboratories; conference rooms, offices, and boardroom; 20,000 gsf; \$6.9 million; 2003.
- **Stanford University, Stanford, CA**
Lorry I. Lokey Research Building for Chemistry and Biological Sciences
Programming, lab planning, and design for a new research building for biology and chemistry, including laboratories, lab support and core facilities, offices, meeting spaces, and lounge; 85,000 gsf; \$42 million; 2003. Ellenzweig served as Design Architect and Laboratory Planner, working with Dowler-Gruman Architects, Architect of Record.
- **Massachusetts Institute of Technology, Cambridge, MA**
Dorrance and Whitaker Buildings (16 and 56) Renovation
Feasibility study, programming, lab planning, and design of phased renovations to provide laboratories, offices, and classrooms for 24 departments, including chemistry, chemical engineering, biotechnology, and bioprocess engineering; 258,000 gsf renovation; \$46 million; 1998.