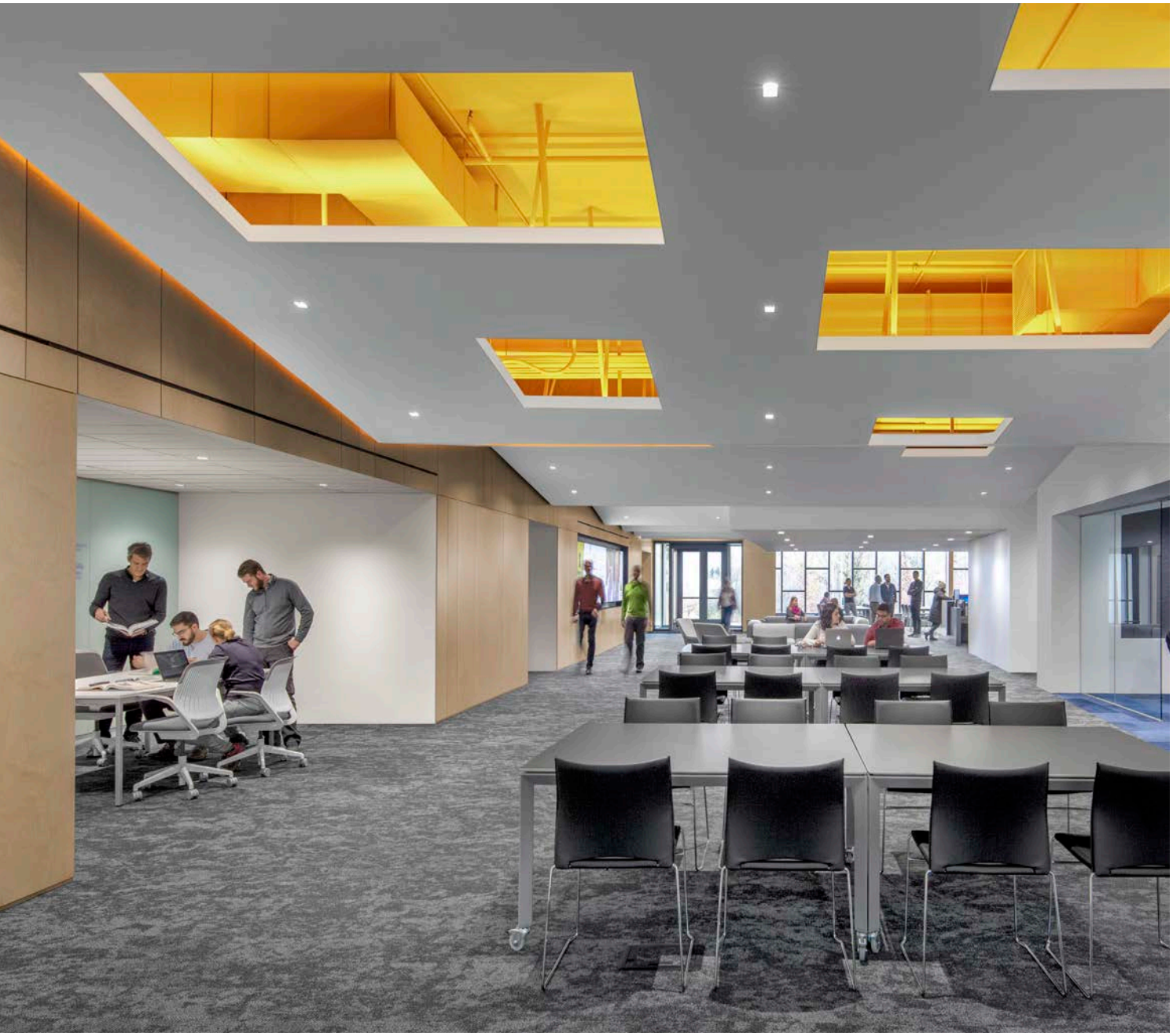
Flad

DESIGNING ENVIRONMENTS FOR TEACHING, LEARNING, AND DISCOVERY



ACADEMIC EXPERTISE

CONTENTS

FIRM AND EXPERTISE

95+
years of experience in planning and architecture

320+
dedicated staff to serve our clients

10
offices nationwide

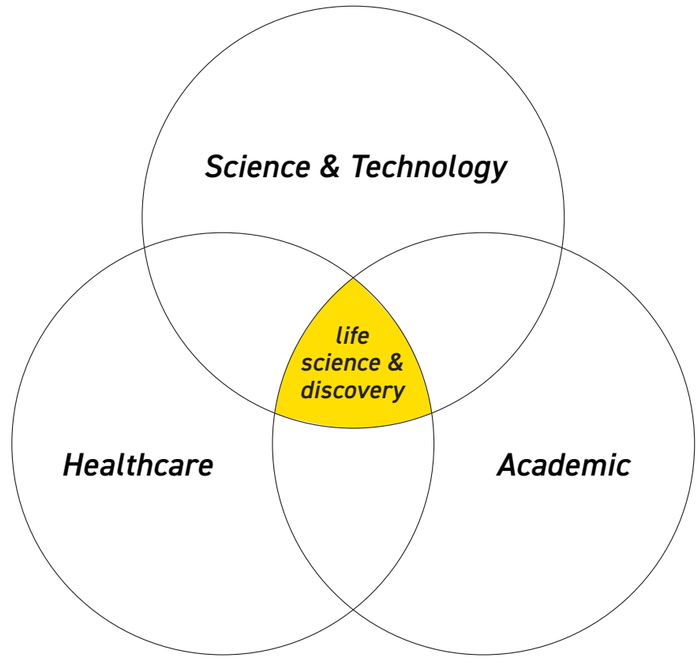
we create environments that enhance human potential®

Atlanta, GA · Boston, MA · Gainesville, FL · Madison, WI · New York, NY
Raleigh, NC · San Diego, CA · San Francisco, CA · Seattle, WA · Tampa, FL

30+
planners: laboratories, healthcare

350+
design awards

- Strategic and Master Planning
- Programming and Campus Planning
- Academic, Research and Medical Planning
- Site Planning and Landscape Architecture
- Architectural Design
- Structural Engineering
- Interior Design



AWARDS AND NATIONAL RANKINGS

National Rankings

Building Design+Construction Giants

2 Laboratory Architecture
28 University Architecture

350+
design awards

100 AIA Awards
39 IIDA Awards
8 Lab of the Year Awards
5 ISPE Facility of the Year Awards

SUSTAINABLE DESIGN

We are committed to transforming how buildings are designed and built to support sustainability, resiliency, and human wellness.

Regardless of whether clients seek certification, we encourage incorporating safe, healthy, and quality materials and offer sustainability visioning, energy modeling, and life-cycle cost analysis. As evidence of our focus, we have endorsed the AIA 2030 Commitment to achieve dramatic reductions in greenhouse emissions, reaching toward carbon neutrality on all of our projects by the year 2030.

Flad was an early adopter of the Leadership in Energy and Environmental Design standards, achieving several LEED firsts for the research, science, and healthcare facilities in which we specialize.

Our vision at Flad is to be an industry leader in successfully incorporating the triple bottom line – people, planet, and prosperity – into highly complex and scientifically pioneering environments, employee-focused workplaces, and forward-thinking sites and master plans.

PROVEN TEAM LEADERSHIP

Experienced leaders, actively engaged from start to finish.

Each member of our leadership team offers deep, specialized expertise honed through decades of experience. They remain directly engaged in every project, working alongside clients and teams from early planning through design and delivery. Their insight strengthens decision making, sparks innovative solutions, and keeps complex efforts moving forward with clarity and purpose. This combination of hands-on involvement and visionary thinking distinguishes our leadership and helps shape results that advance both mission and strategy.

HOW WE WORK

LIVING OUR VALUES

We honor the creative spirit and innovation in all things.

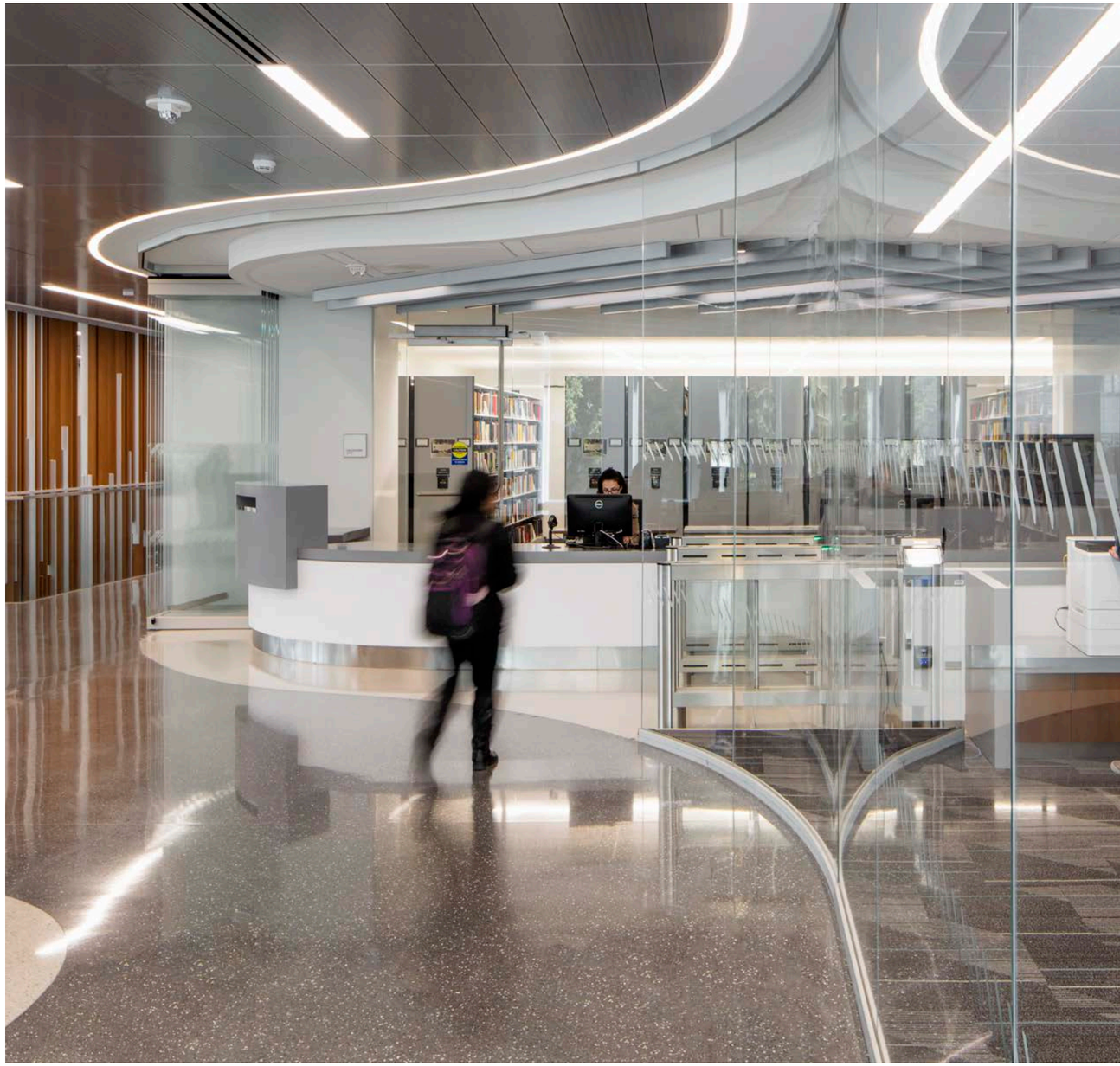
We foster an environment of trust, integrity, and respect.

We embrace both individual initiative and collaboration.

We are trusted partners to our clients.

We are committed to the health and well-being of our communities and the planet.

In partnership with leading research organizations, universities, healthcare institutions, and science-based companies, we design beautiful, innovative environments that enable our clients to make revolutionary discoveries that have a profound impact on society. We are dedicated to providing exemplary service to our clients. Fostering this collaborative approach allows us to challenge assumptions, solve unique problems, and help our clients achieve their mission through the lens of design. Our environments are an extension of our client's enterprise, celebrating their talent and reinforcing their brand and culture. Our solutions are customized, mission-driven, and transparent – increasing efficiency, productivity, and identity.



PUTTING PEOPLE FIRST

Creative thinking and the joys of delivering a solution based on shared values produces powerful results. Every time.

Every project is founded in an understanding that there is an important need and a promise of transformation. We are driven to build a collaborative of people that form a high-performance team, setting the stage for confidence and the belief that we will deliver the right project for long-term success. Aligning the principal stakeholders with capable professionals who want the best for their institution and are willing to work hard to achieve that is key. We gather principal stakeholders together to focus on purpose, vision, facts, goals, needs, and concepts that define the greater truth for the project, shaping the right design solutions. A communication plan is equally essential to every project, ensuring stakeholders feel their voice is heard and that they can shape their future. It also helps manage expectations and provides a framework for decision making, conflict resolution, creating an audit trail for the work, and ensuring that the status of the project is shared accurately with everyone on campus over time.

DEFINING THE RIGHT PROBLEM

Flad's process features key advantages for enhancing culture, creating resilience while rapidly accommodating change, and establishing a clear path to achieving our client's mission. Our process establishes a broader reach for listening and creating understanding across all users and key stakeholders, representing every aspect of your organization. This strengthens the notion that students, faculty, and staff can shape their future through teamwork. In breakout meetings with various groups, we reference feedback and point to certain aspects of the plan that serve to respond to a co-defined set of design priorities and principles that are born from diverse customized tools such as visioning summits, usability studies, and digital survey responses. This streamlined approach to design allows the team to dedicate more hours on the features that will ultimately make the most difference to everyone who will inhabit the environments we design.

1 Chemistry Test

We work as a collective, mirroring our client's internal efforts to build high-performance teams by having deeper conversations with key leadership around their ambitions, values, and measures of success.

2 Discovery

We ask the right questions up front, which frames the right problem. This provides a compass for every design decision that follows. It also creates thoughtful considerations behind new insights and helps the team prioritize unanticipated changes.

3 Deep Dive

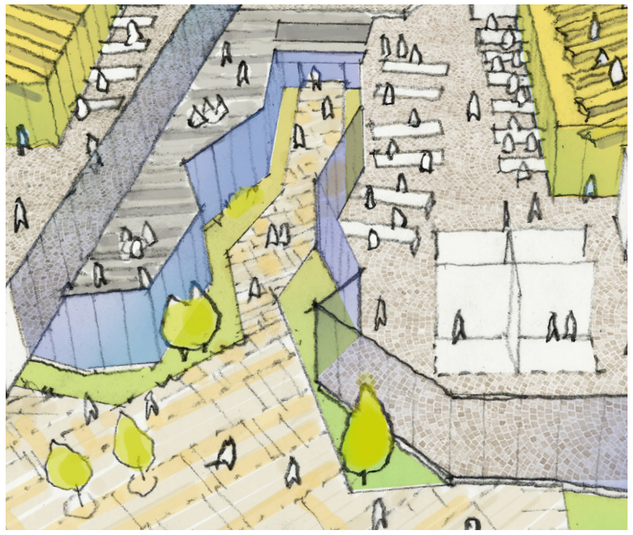
We use digital surveys and other comprehensive interactive tools to dive deep into the aspects of daily activities, social structures, and physical ambiance that will make each place unique. We quickly gather data in a safe, anonymous, and receptive platform.

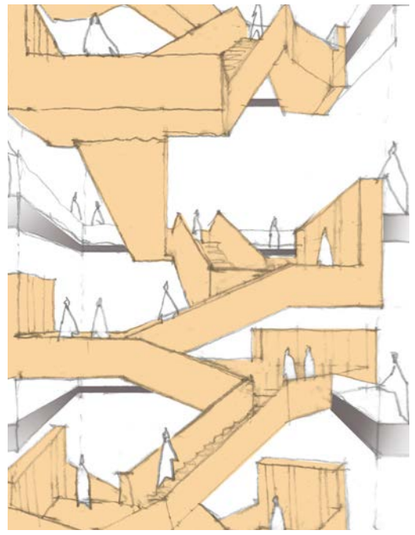
4 Design

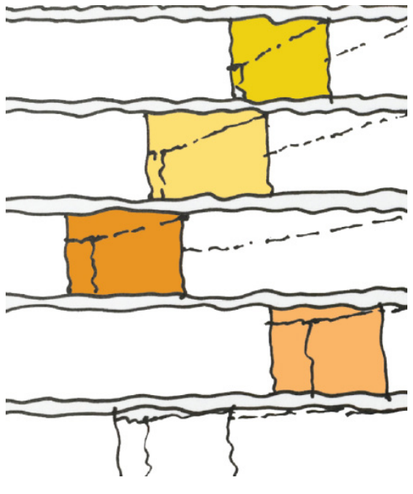
A sense of identity is translated into design concepts that mirror dynamic day-in-the-life activities for different types of users that also reinforce our client's future mission, vision, business goals, and values.

5 Delivery

Every owner seeks to define the most appropriate, cost-effective means of project delivery. Based on the choice being made, we modify our approach, our work products, and our decision-making process so that the delivery method chosen can be efficiently executed.







PROGRAM-RICH PROJECTS

Strategic Planning

Transformative change is accomplished by integrating and balancing diverse factors toward a new and better way of being. Planning provides a roadmap for change that can see around corners, prepare for new challenges, and create opportunities for the future. Successful plans ultimately direct the creation of memorable places and a feeling of belonging that is a mainstay of academic experience.

STE(A)M

The need to advance science, technology, engineering, art, and mathematics is on the rise. Next generation learners are also seeking environments that foster social ways to implement solutions to our current grand challenges. In response, we design environments that elevate problem-based learning, makerspace, resource sharing, formal and informal learning, critical thinking, and culture.

Health Sciences

The challenge of preparing students to serve the health needs of their community is enormous. Absorbing vast amounts of knowledge and taking an active role in clinical settings is imperative but overwhelming. Layered on top is the need to treat the whole patient while collaborating with a team of complementary professionals. Our goal is to help our clients foster a student's ability to communicate and collaborate through design.

Teaching / Learning

The meaning of education has shifted. Understanding how to think, work, create, and navigate are now interwoven into a global landscape. Settings must help serve ever-changing pedagogies and create a campus that balances health and well-being. We understand the importance of building a culture that supports every person in diverse settings and enables them to express ideas, allowing them to grow and emerge as leaders.

Scientific Discovery

Our clients challenge themselves to build their strengths, explore new initiatives, and attract the students and faculty they need to thrive, serving the needs of society through critical and creative thinking. Well-designed settings have emerged as a strategic element for delivering enduring value where high-performance teams can find common ground, innovate, and do their best work. Our design solutions help enable teams to unleash their potential and enhance productivity.

Adaptive Reuse

Nearly every institution is challenged with making the best use of outmoded facilities. Many of these buildings are located in the heart of campus and can be renovated while preserving their legacy. Reimagining teaching, learning, and research through design will enhance culture and identity. We help our clients determine facility viability, the benefits and risks of renovation, future aspirations, and associated costs.

NATIONAL EXPERTS IN HIGHER EDUCATION

The process begins with a thorough understanding of our client's requirements and goals for the project. We listen carefully.

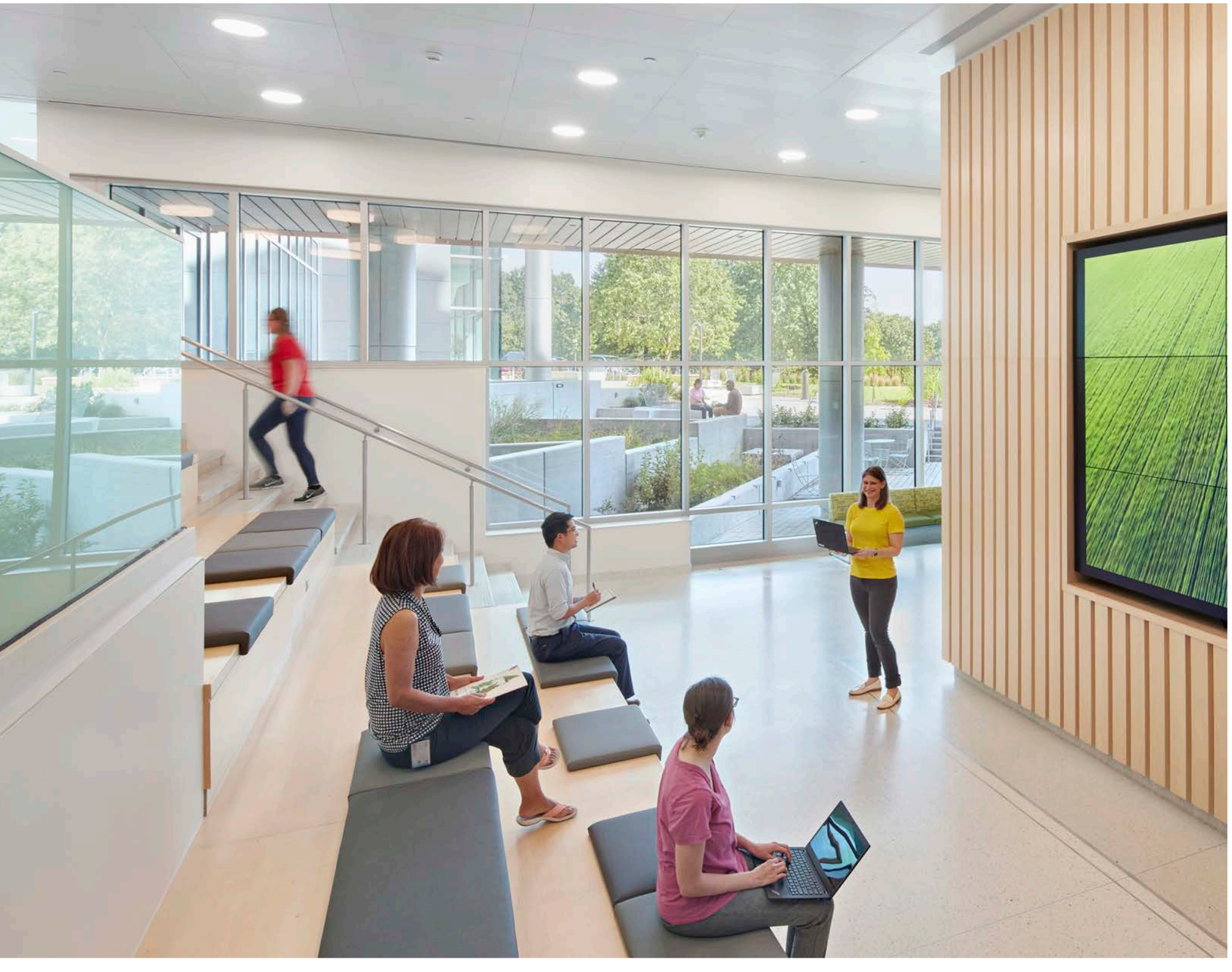
Recognizing traditions and embracing change are critical realities of academic environments. Whether focused on increasing the quality of undergraduate learning environments, providing access to new technologies, or supporting traditional functions in the campus context – Flad brings extensive experience on more than 85 university campuses. Our approach is founded in a reputation for providing outstanding service, bringing value to our clients through the research we conduct, and designing architectural environments that are both effective and distinguished. Flad's design philosophy is centered in the creation of spaces that support and enhance the educational communities of the colleges and universities that we work with.

HIGH QUALITY STUDENT EXPERIENCE

We are dedicated to creating the right kinds of spaces for students that will allow them to succeed. Assessment of the specific culture and qualities a campus reflects is critical to achieving a design that integrates with the campus plan and strategic vision to both support and inspire its population. It is truly rewarding to see spaces designed for collaboration come to life and hear how students, researchers, and faculty benefit from classrooms, labs, and offices planned for their unique needs.

In academic environments, the reliance on learning by doing now sees educational spaces integrated with research rather than separate from them. Transparency between the classroom and the lab is key, allowing instructors to demonstrate firsthand industry best practices. Flexibility of space types and integration of an expandable technology backbone is necessary as teaching methodologies and technologies change. Open project and study areas provide ideal collaborative spaces that provide convergence of a cohesive research and learning paradigm based on real-world applications. Together these spaces create an atmosphere for learning that strengthens the dynamic between teacher and student.

Additionally, successful collaborations depend on spaces that can support multifaceted teams and shifts in focus. Much of our portfolio includes environments designed to bring diverse stakeholders together in an interdisciplinary environment that supports discovery



SELECT PROJECTS

Ohio University,
Chemistry Building

a new campus element

The new Ohio University Chemistry Building creates a student academic hub along a primary pathway through campus. This key discipline of the natural sciences curriculum provides the perfect opportunity to engage students as they walk along the inviting, glass-lined lobby of the building. Ground floor instructional labs for organic, inorganic, and analytical chemistry create an active environment supported by a choice of informal spaces where students can collaborate or study independently.

The upper floors are dedicated to synthetic and physical chemistry research labs, instrumentation labs, and office space along with a variety of interaction spaces and conference rooms. A Nuclear Magnetic Resonance lab located directly off the ground floor lobby includes a range of instrumentation including a mass spectrometer behind a full-height glass wall. Research colleagues, undergraduates, visitors, and prospective students have a front-row view of chemistry research and instruction. This 72,000-square-foot, certified LEED Silver building is the first phase of a multiphase undertaking by the university to create a new center for natural sciences.

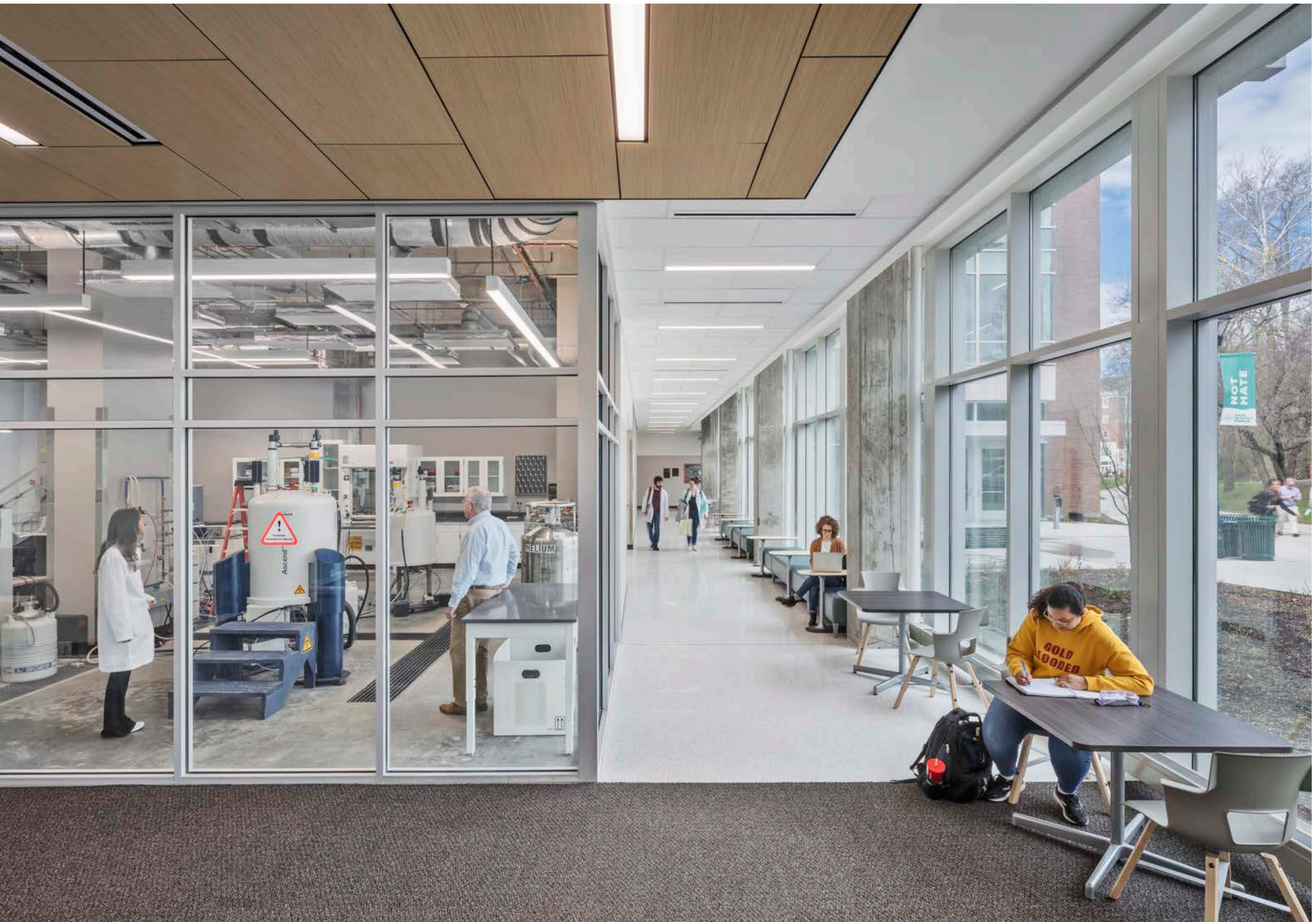
Programmatic Components

72,000 SF
Teaching / Learning / Classrooms
Research Laboratories
Collaboration Space
Offices / Workplace

Awards

LEED Silver

Flad Architects provided architectural design, programming, and planning – in collaboration with architect of record BHDP.


NOT HATE

Ohio University,
Clippinger Laboratories Renovations

renovation that champions future program success

Clippinger Laboratories is home to Ohio University's College of Arts and Sciences and supports the Departments of Chemistry and Biochemistry, Physics and Astronomy, Geography, and Geological Sciences. Serving an important role as the central science facility on campus, the university has completed a major expansion and renovation to provide updated, modern research and teaching spaces.

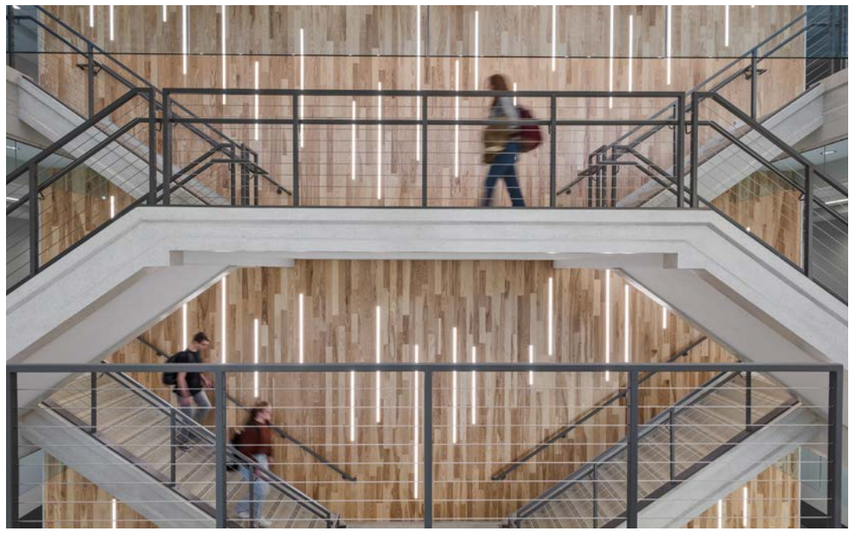
Opened in 1967, the building's structure remains sound; however, it was determined that a new facility would best serve the demands of modern chemistry. Sitting just to the north, a new Chemistry Building joins the science complex as the project's first phase, paving the way for a multiphase transformation of Clippinger. The design reconfigures the interior to reduce the number of corridors and windowless rooms, creating the opportunity for larger teaching and research spaces with greater access to natural light. This renewal has unlocked new potential for the building, ensuring that it can champion state-of-the-art science into the future.

Teaching labs and classrooms have been redesigned to support the ways students currently engage with learning while also retaining the flexibility to adapt as educational platforms and technologies continue to evolve. Research labs and faculty offices were updated to support the multidisciplinary nature of modern scientific exploration.

Programmatic Components

134,000 SF
Teaching / Learning / Classrooms
Research Laboratories
Collaboration Space
Offices / Workplace


R.O. WATER
DUCT



Ohio University,
Russ College of Engineering &
Technology Research Opportunity Center

leveraging original purpose to support research

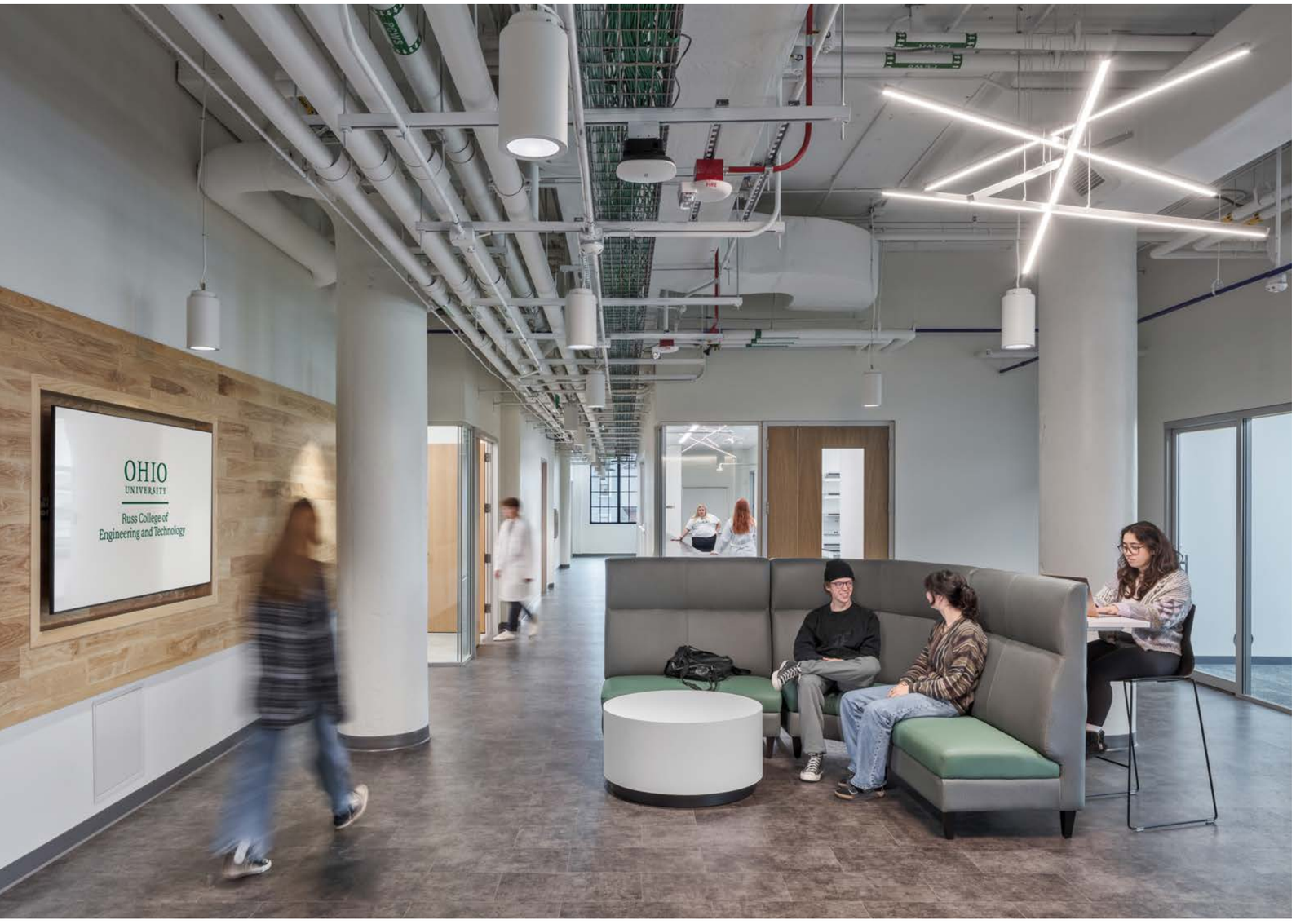
The West Union Street Office Center in Athens has housed a wide variety of industry over its 80 years of service including heavy manufacturing, printing, warehouse operations, and most recently, offices and commercial space. For its next chapter of service, the university has converted the entire 84,000-square-foot building into research space for the Russ College of Engineering and Technology. Flad is providing programming, planning, and architectural design in collaboration with architect of record, BHDP.

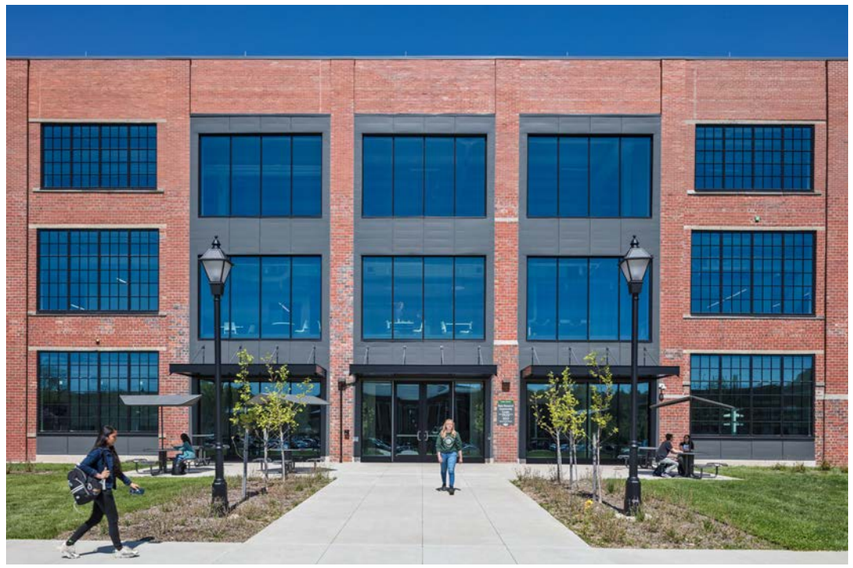
Seeking to capitalize on the generous floor-to-floor height of this robust structure for high-bay and fabrication lab space, the university repurposed the building for expansion of engineering programs that will serve growing research and teaching needs. The three-story facility accommodates a variety of departments including biomolecular, civil, electrical, and mechanical engineering.

The design seeks to maintain the practicality of the warehouse aesthetic, leveraging its original purpose to support state-of-the-art research. Modern, flexible laboratory environments are organized around similar activities and research pursuits rather than by discipline. Teaching components include a common makerspace for student project work as well as classroom and collaboration space for instruction related to specific microscopy and project work. The project is designed to achieve LEED Silver certification.

Programmatic Components

84,000 SF
High-bay & Fabrication Lab Space
Teaching/Learning
Makerspace
Collaboration Spaces
Adaptive Reuse


OHIO
UNIVERSITY
Russ College of
Engineering and Technology



University of California, Los Angeles,
UCLA Research Park Master Plan

a global hub for discovery and innovation

Bringing together academic researchers, corporate partners, startups, and government agencies to advance fields of science and technology, the UCLA Research Park Master Plan includes the development of a phased plan to convert the former site of the 700,000-square-foot Westside Pavilion shopping mall into a new research park. Aiming to extend the university's resources and institutional expertise, the plan deepens campus connections to Los Angeles' communities and meets growing demand for top-tier higher education across the city and region.

Among other programs, the research park will host two multidisciplinary research centers: the California Institute for Immunology and Immunotherapy at UCLA and the UCLA Quantum Innovation Hub. Serving as a nexus for discovery and innovation, the project has the potential to lead to previously unimaginable possibilities for addressing complex challenges. Uniting breakthroughs from the biosciences, quantum science and engineering, and other emerging technologies has far-reaching potential to save lives and revolutionize healthcare outcomes.

Programmatic Components

700,000 SF
Research Laboratories
Offices / Workplace
Collaboration Space
Community Space
Adaptive Reuse


UCLA

Northwestern University,
Science & Engineering Library and Laboratories

the intersection of research and education

Modern universities are at the intersection of research and education and are challenged to evolve as places where faculty are both educator and investigator. The new addition at Northwestern University is a bold example of this intersection.

Located on the North Campus, the library and laboratories are designed with collaboration in mind. The space provides an array of digital assets and tools consistent with Mudd Hall's technology-focused history. Private and communal areas allow for many study space options, and library experts are available to assist in a variety of fields.

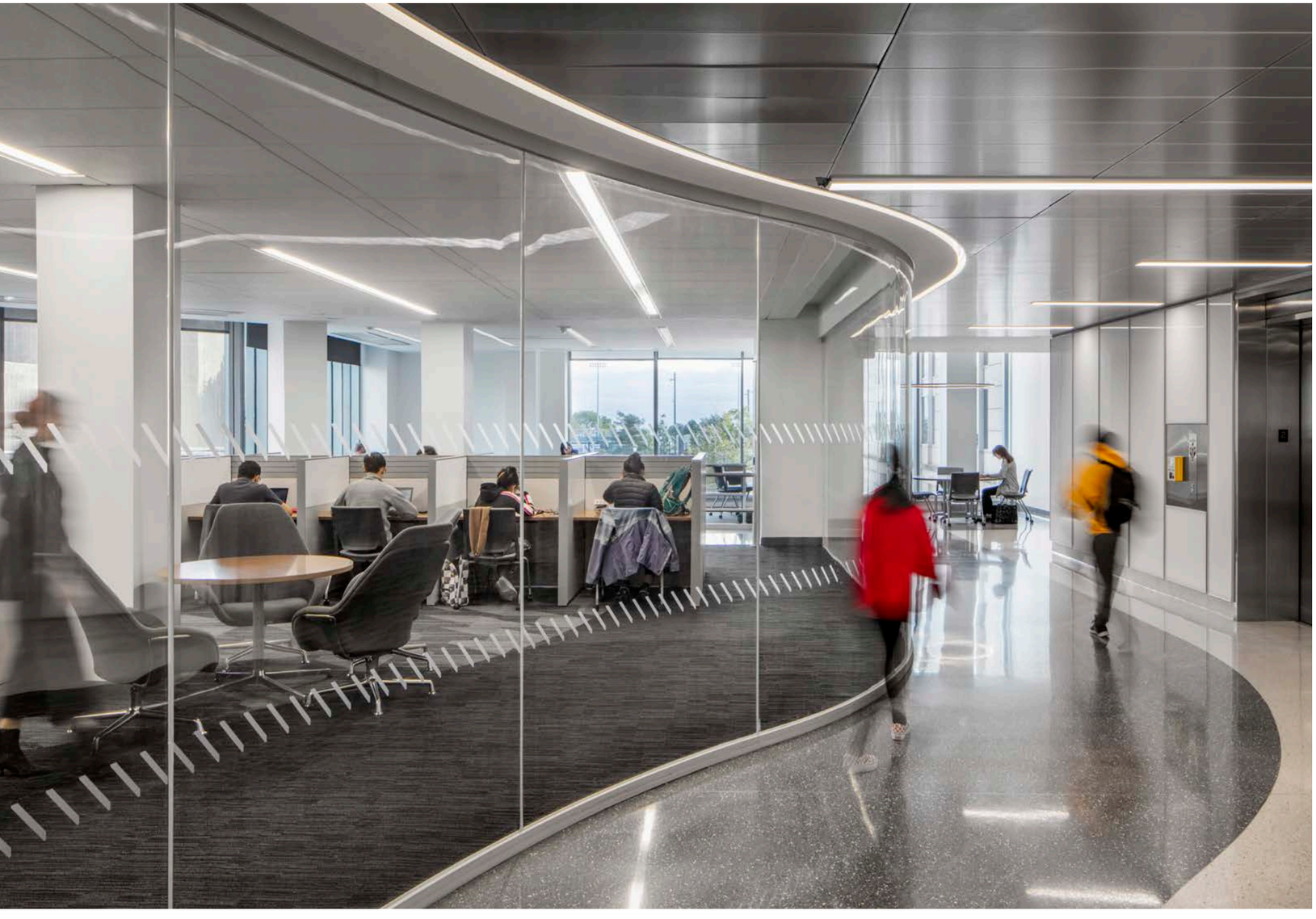
Northwestern has one of the largest research endowments in the country, and Mudd Hall now delivers diverse programs of research in an energized student life library. The building encourages interaction among researchers, research associates, and students while providing space for study and investigation.

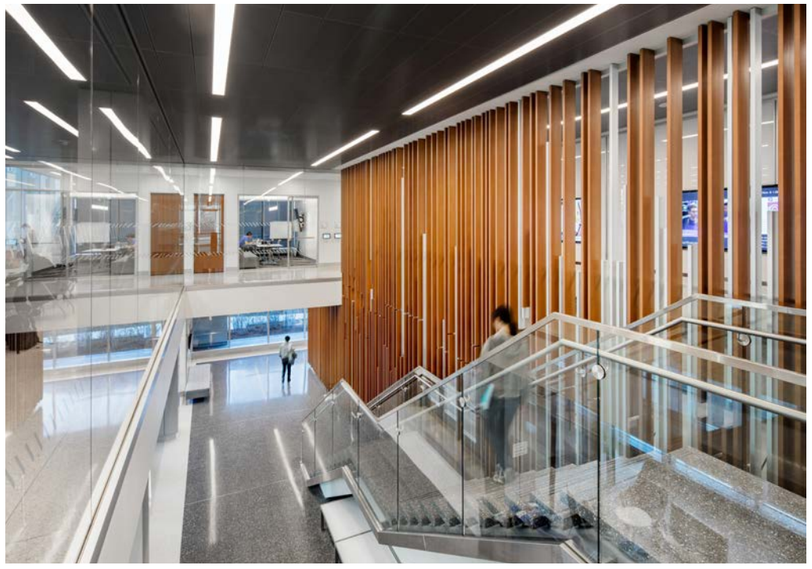
Programmatic Components

188,000 SF
Research and Teaching Laboratories
Science and Engineering Library
Active Learning Classrooms
Flexible Collaboration and Study Spaces
Student Makerspace
Office / Workplace / Amenities
Adaptive Reuse

Awards

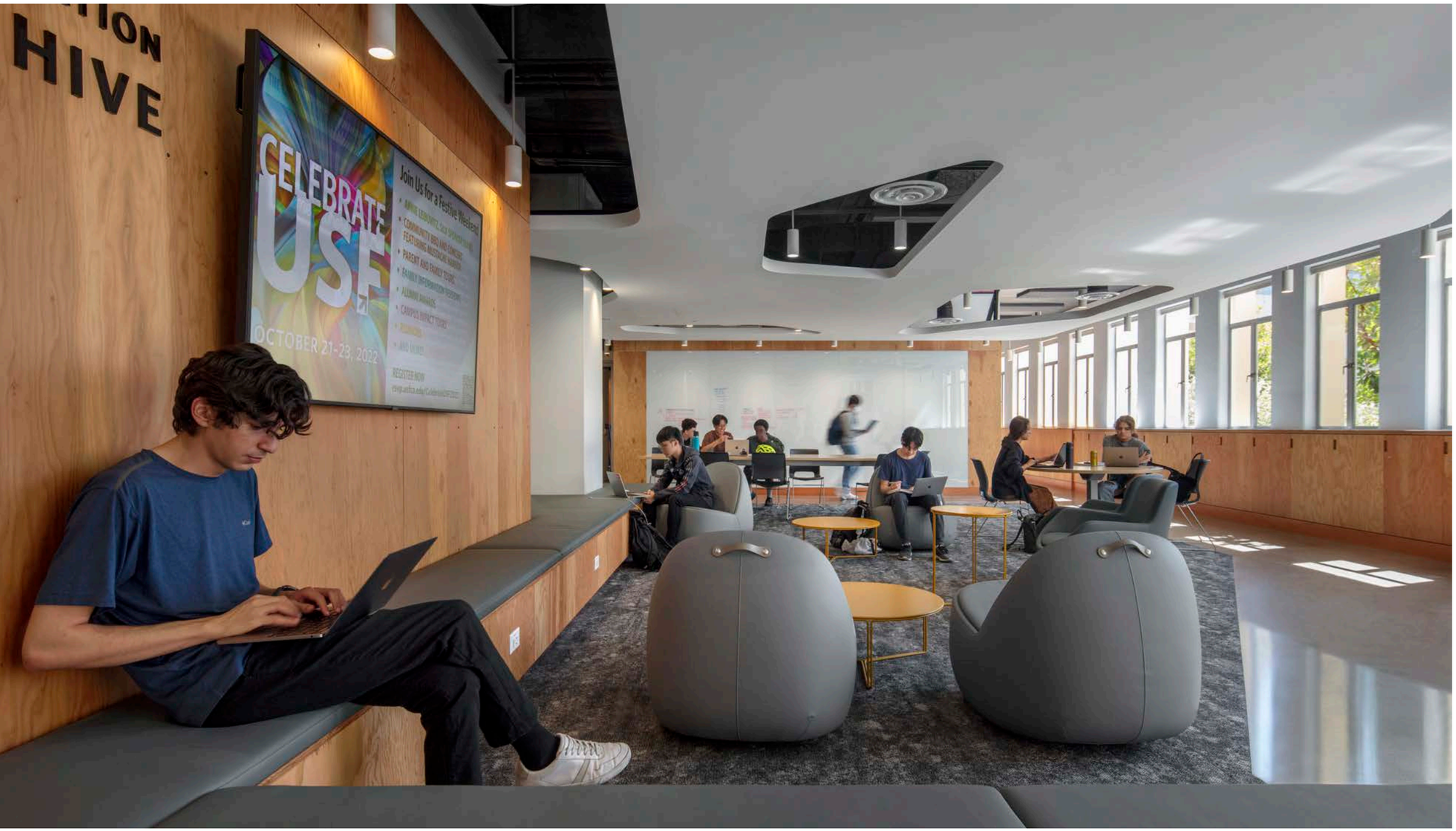
AIA Wisconsin Merit Award
IIDA Wisconsin Award of Excellence, Educational/Institutional
LEED Silver





University of San Francisco,
Harney Science Center, Innovation Hive

hands-on learning spaces



This new makerspace, known as the Innovation Hive, occupies 7,600 square feet within USF's historic Harney Science Center and acts as an academic stage for real-time problem solving. The Hive helps students across campus test their thinking through making in an invigorating environment that models the R&D centers they'll soon lead as professionals. Flad provided full architectural services and worked with users to determine what they wanted out of the space. Responding to the needs of students for an informal learning space, the Innovation Hive allows them to sharpen their leadership and teamwork skills outside of the classroom, using resources that help them pursue learning most effectively.

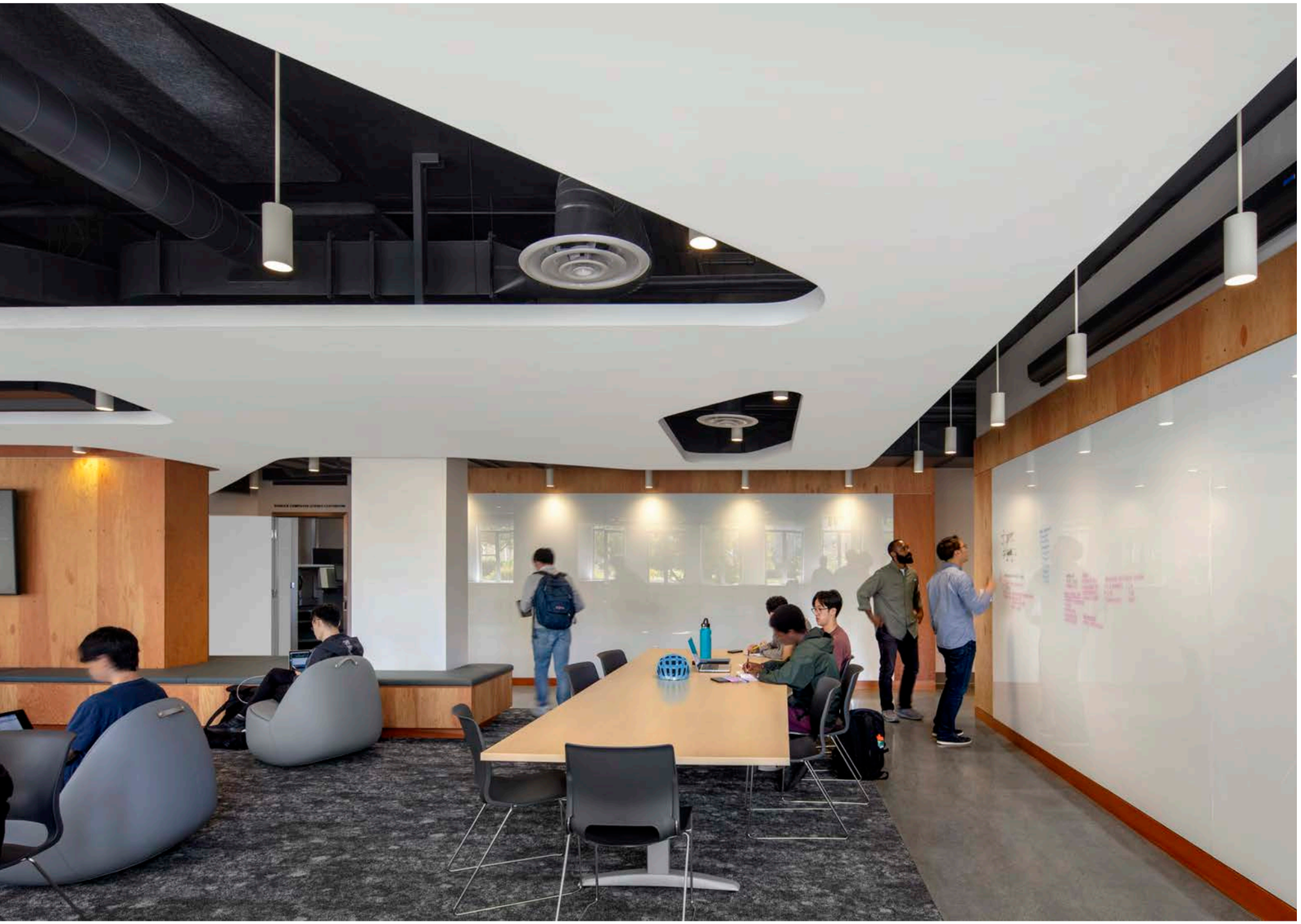
Spaces include large format and 3D print labs, wood and metal fabrication shops, a CNC room, and adaptable classroom areas to accommodate increased hands-on learning within engineering and science programs. Students can form project teams, build experiments, design code, and create products and processes designed to be employed in real-life conditions.

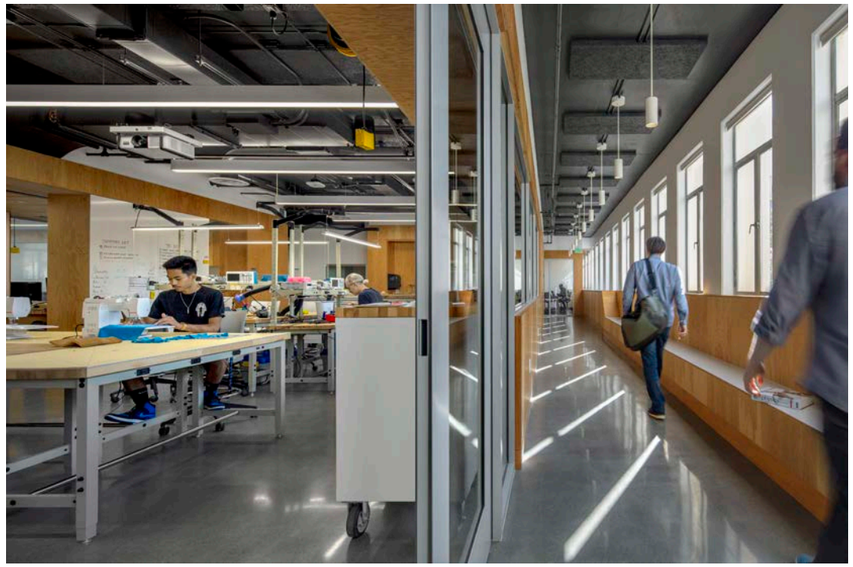
Programmatic Components

7,600 SF
Flexible Makerspace
Teaching / Learning / Classrooms
Flexible Study Areas
Collaboration Space
Adaptive Reuse

Awards

AIA San Francisco, Citation Award, Interior Architecture





Rutgers University,
Chemistry and Chemical Biology Building

dynamic gateway to research

The Department of Chemistry and Chemical Biology (CCBB) is home to a broad array of world-class research programs that impact life in areas as diverse as health, energy, and environment, offering a comprehensive set of educational experiences for both graduate and undergraduate students.

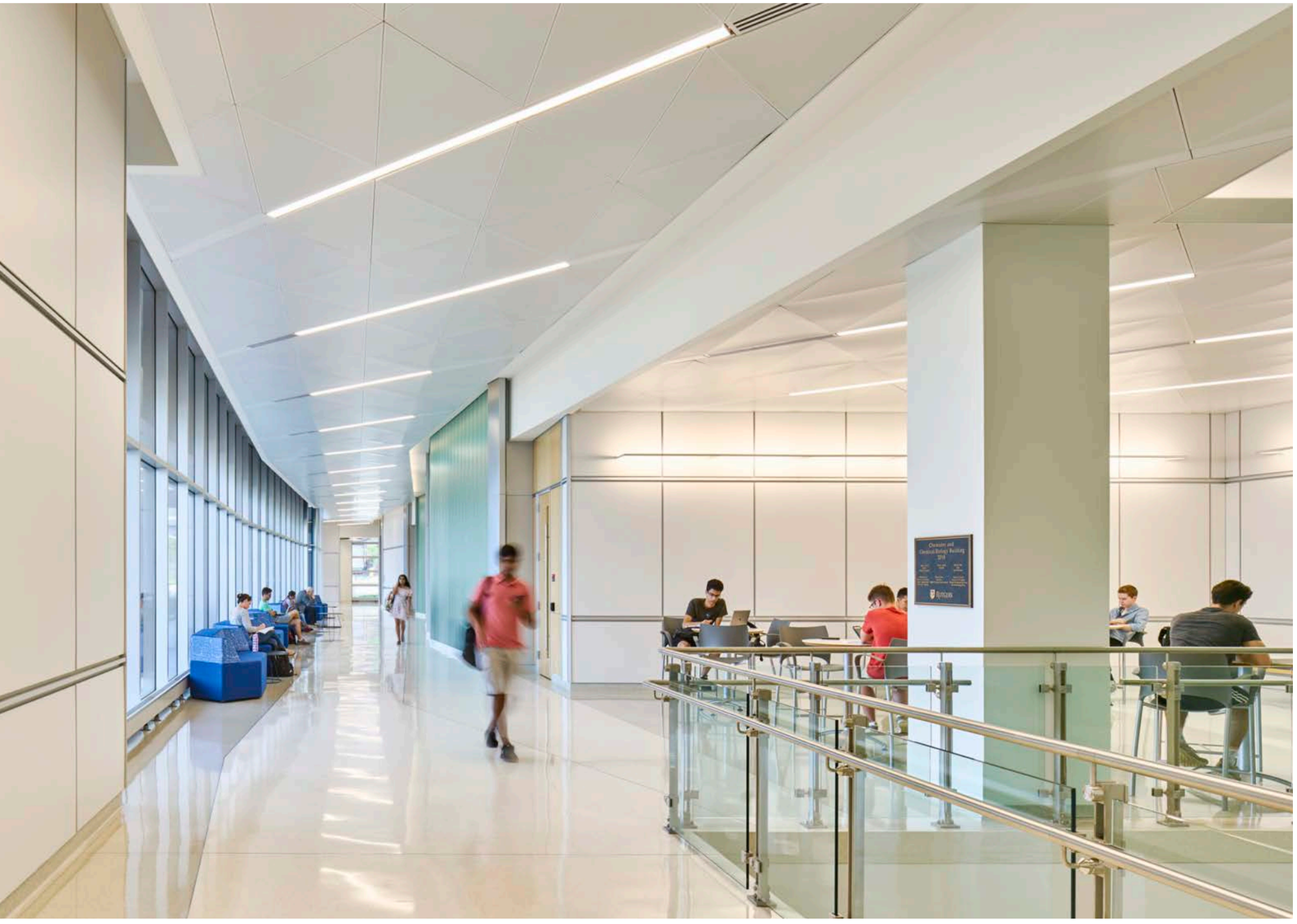
Many types of research are housed in the CCBB including synthetic organic and inorganic chemistry; physical organic and analytical chemistry; and physical, biological, and materials chemistry. In response to the wide variety of research, a modular design was developed for the general lab area with a consistent size and layout. This flexible approach, coupled with an open lab concept, allows for efficient use of space as labs are adjusted based on researchers' needs. The new building encourages interaction and impromptu sharing of ideas through a combination of dedicated public spaces on each lab floor; visual transparency; and convenient proximity of principal investigators, post docs, and grad students.

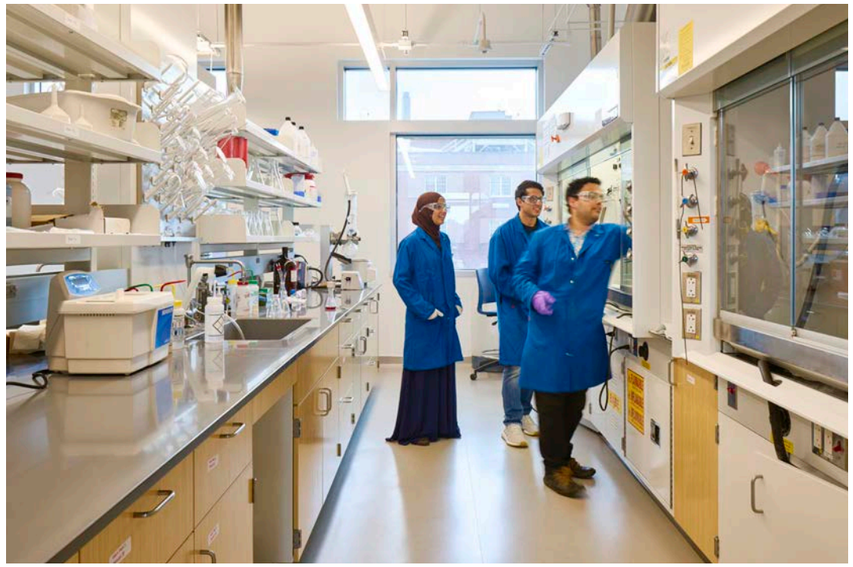
Programmatic Components

141,000 SF
Teaching Laboratories
Flexible Lab and Classroom Spaces
Auditorium
Transparent Labs
Dedicated Public Spaces

Awards

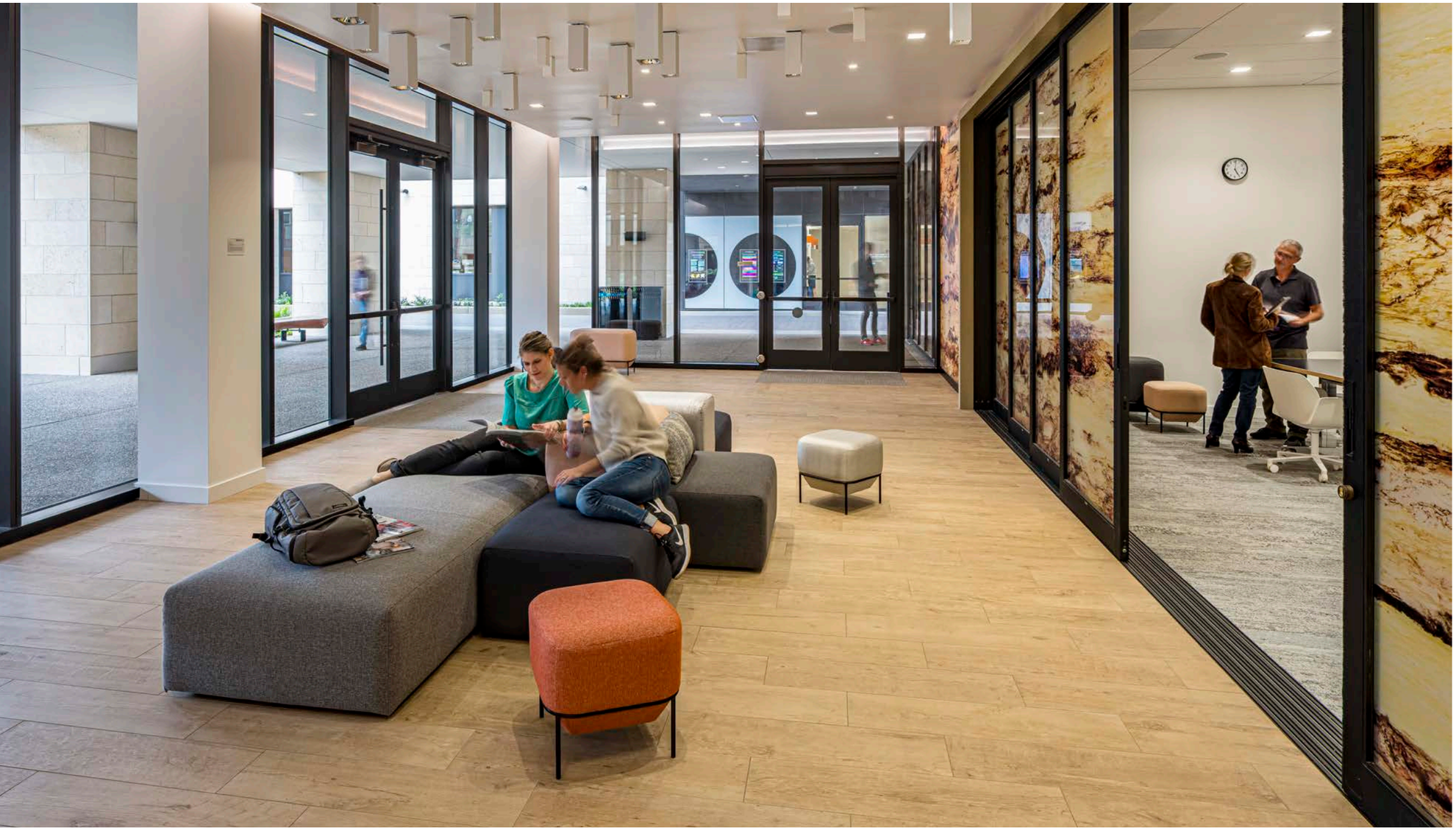
LEED Gold
AIA Wisconsin Merit Award
ASLA Wisconsin Merit Award
SEA Wisconsin, Excellence in Structural Engineering Award





Stanford University,
Bass Biology Building

fostering interdisciplinary interactions



The Bass Biology Building establishes a new home and focal point for biology studies on Stanford's campus. This laboratory facility replaces labs in the existing Herrin Hall and Herrin Labs, provides new recruitment space for 29 faculty, and supports a wide range of research from molecular and cellular biology to neurobiology, ecology, and evolution.

Generic laboratory configurations are based on a flexible lab module that allows for specific configurations of wet and computational labs, as well as the creation of a new hybrid lab that includes both wet and dry lab types. Each faculty has a unique allocation of space for their primary lab and lab support space. The building also houses support space for vibration-sensitive microscopy equipment, a mass spec core facility, and shell space for the addition of future core facilities.

Programmatic Components

132,000 SF
Teaching / Learning / Classrooms
Research Laboratories
Collaboration Space
Office / Workplace

Flad Architects provided executive architect, laboratory planning, and interior design services – in collaboration with exterior designer Ennead Architects.

University of California, Davis
Engineering Student Design Center

an interface between making, learning, and discovery

Enhancing undergraduate learning through innovation, the Diane Bryant Engineering Student Design Center provides UC Davis students a central location for access to equipment, expertise, and collaborative resources. The result of a renovation and expansion of the existing Engineering Fabrication Laboratory in Bainer Hall, design of this makerspace creates synergies among programs to establish an interdisciplinary, team-oriented, and adaptable hands-on learning environment.

Engineering principles of ideation, fabrication, and assembly inform the program and define a planning concept for the 24,000-square-foot facility. Program components reflect the department's diverse education experience which includes engineering design as well as entrepreneurship. Shop-type space for prototyping is supported by wet-bench laboratory, computational facilities, and general areas for interaction that serve student competition teams, senior capstone projects, and similar discovery-themed endeavors.

Programmatic Components

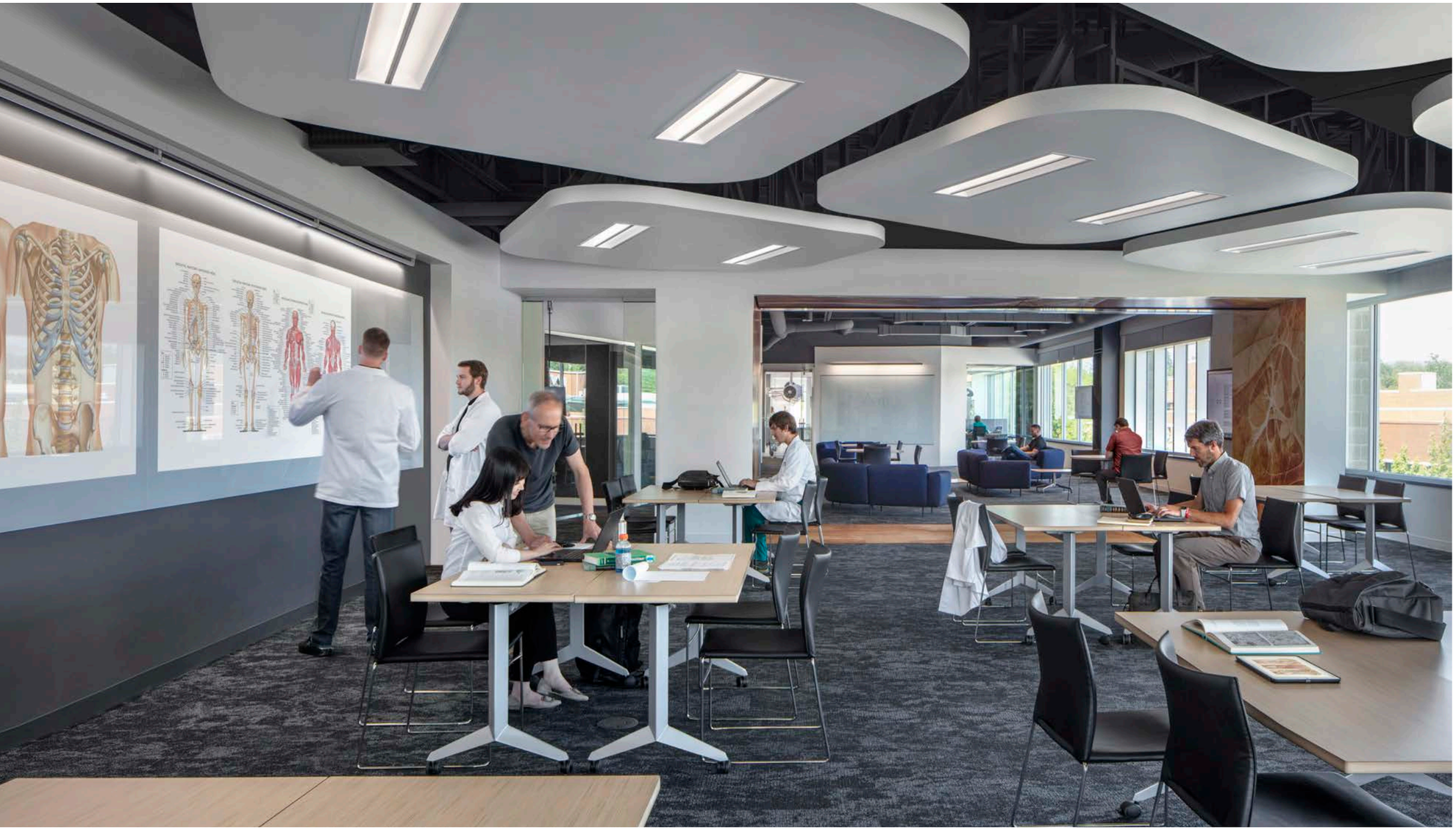
24,000 SF
Teaching / Learning / Classrooms
Student Makerspace
Flexible Collaboration and Study Spaces
Adaptive Reuse

Flad Architects provided programming and bridging documents through design development – in collaboration with design-build architect of record WMB Architects.


prototype

University of Idaho,
Anatomy Training Facility at Gritman Medical Center

specialized skill development

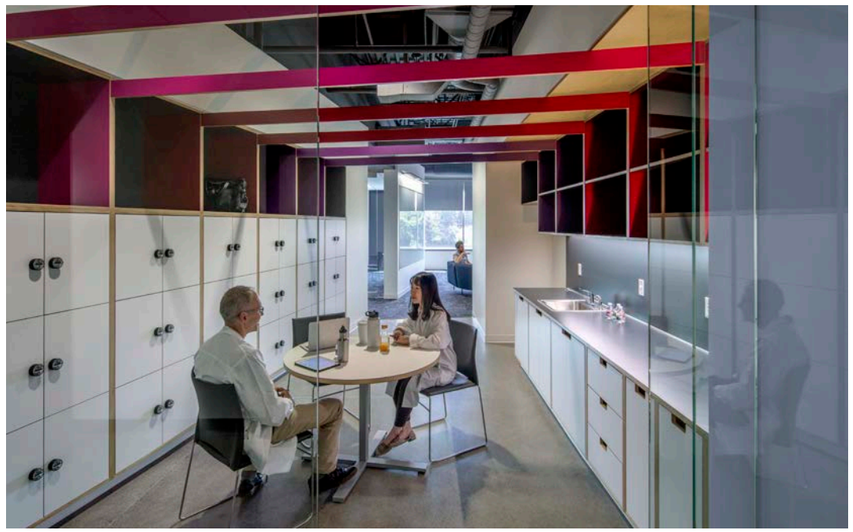


The University of Idaho is a member of WWAMI, one of the most innovative medical education and training programs in the country. Led by the University of Washington School of Medicine, this enduring regional partnership of over 45 years includes the states of Washington, Wyoming, Alaska, Montana, and Idaho. The WWAMI program's primary goal is to provide access to publicly supported, community-based medical education across this five-state region for medical students in their first two years of medical school.

Originally programmed as space for healthcare rather than education, Flad developed a program and design to fit out this 10,000-square-foot space to house the anatomy lab as well as an active learning classroom, student lounge, and faculty offices. The overall design creates a new front door and establishes a strong identity for the program while doubling its enrollment capacity and forming a stronger relationship with Gritman practitioners and partners. This project completes the first phase of development to establish a new home for WWAMI on campus; the second phase houses extensive teaching, learning, and collaboration spaces in addition to faculty offices in a nearby building renovation.

Programmatic Components

10,000 SF
Anatomy Lab
Active Learning Classrooms
Student Lounge
Office / Workplace



University of Idaho,
Huckabay Medical Education Building

training tomorrow's physicians

Leveraging work the team initiated during the predesign study for expansion of the WWAMI program at the University of Idaho, Flad designed the Medical Education Building. As the university's new headquarters for the program, this project completes the second phase of development to establish a new home for WWAMI on campus; the first phase houses a state-of-the-art anatomy lab, active learning classroom, student lounge, and faculty offices in a nearby medical office building with convenient access to Gritman Medical Center.

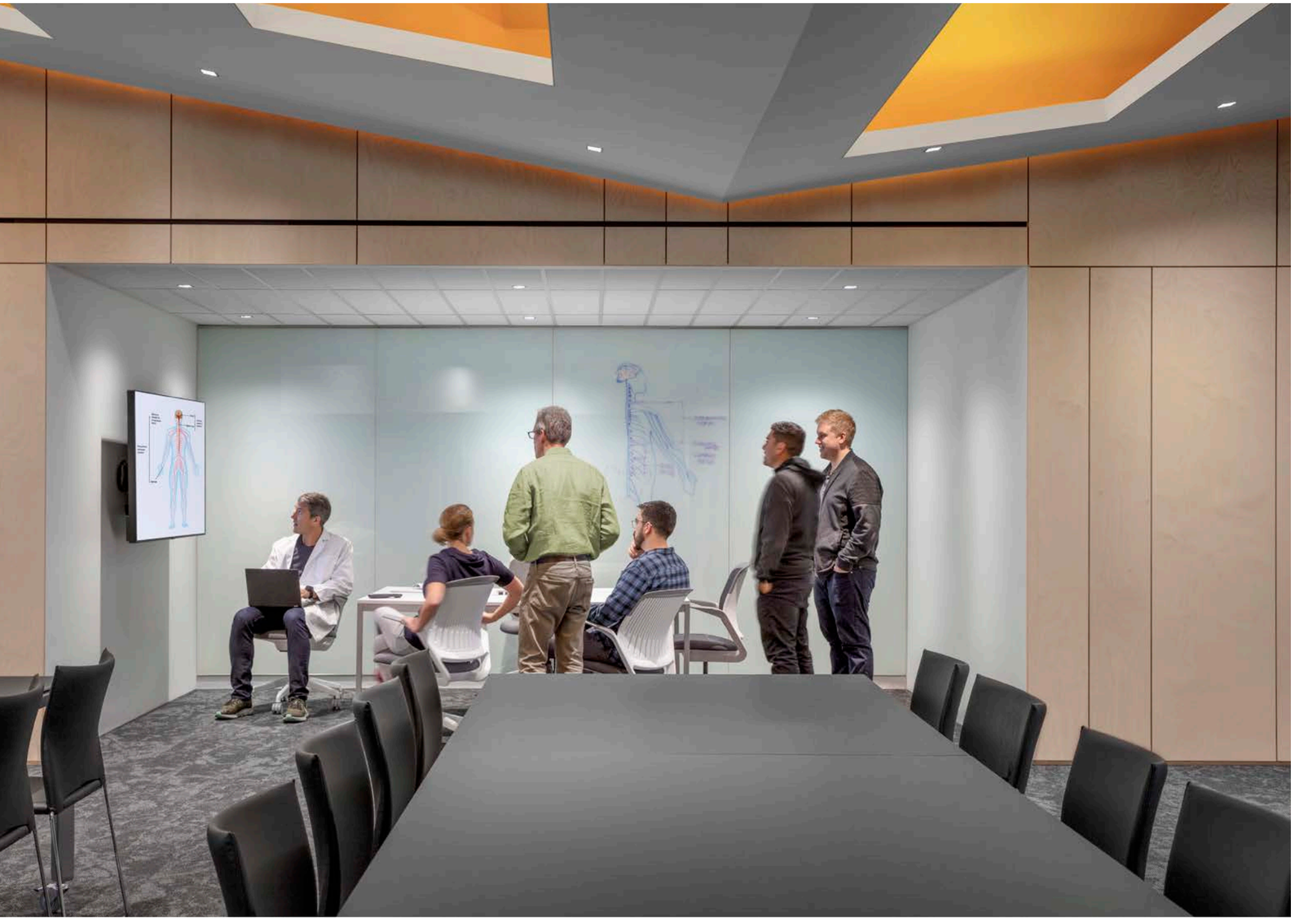
The Medical Education Building repurposes the existing Business Technology Incubator Building on the east end of campus, expanding and showcasing WWAMI's identity with this prominent gateway location. The 17,000-square-foot renovation and 3,000-square-foot expansion delivers a new medical education setting focused on informal learning and meaningful faculty/student interactions with an expanded student lounge, flexible and interactive learning, faculty offices, and support space. The design efficiently reorganizes every square foot to diversify use and maximize space available for active learning opportunities.

Programmatic Components

20,000 SF
Teaching / Learning
Flexible & Interactive Learning
Student Lounge
Office / Workplace
Adaptive Reuse

Awards

IIDA Northern Pacific Inpublic Honorable Mention



The University of North Carolina at Chapel Hill,
School of Medicine, Roper Hall

advancing medical education

Growth, innovation, and community integration were three key goals of the School of Medicine's 2012 Strategic Plan. To realize these objectives, the school required a facility that would enable a 30 percent growth in class size from 180 to 230 students, facilitate a redesigned curriculum based on group instruction and team-based learning, and create a campus heart for the medical education experience.

Located on a very complicated and dense site, this exciting student-centered environment resides at the crossroads of a major campus thoroughfare in the heart of campus. Flad programmed, planned, and designed the new, 176,000-square-foot medical education facility. Future-focused with spaces designed to adapt to pedagogical changes and evolving technologies, the student-centric environment will include flexible classrooms and teaching laboratories that promote modern teaching styles centered on evidence-based learning within small groups and teams. The facility is designed to attain LEED Silver certification.

Programmatic Components

176,000 SF
Collaboration Spaces
Student Study Areas
Teaching Laboratories
Classrooms / Active Learning Theater
Simulation Laboratories
Office / Workplace / Amenities

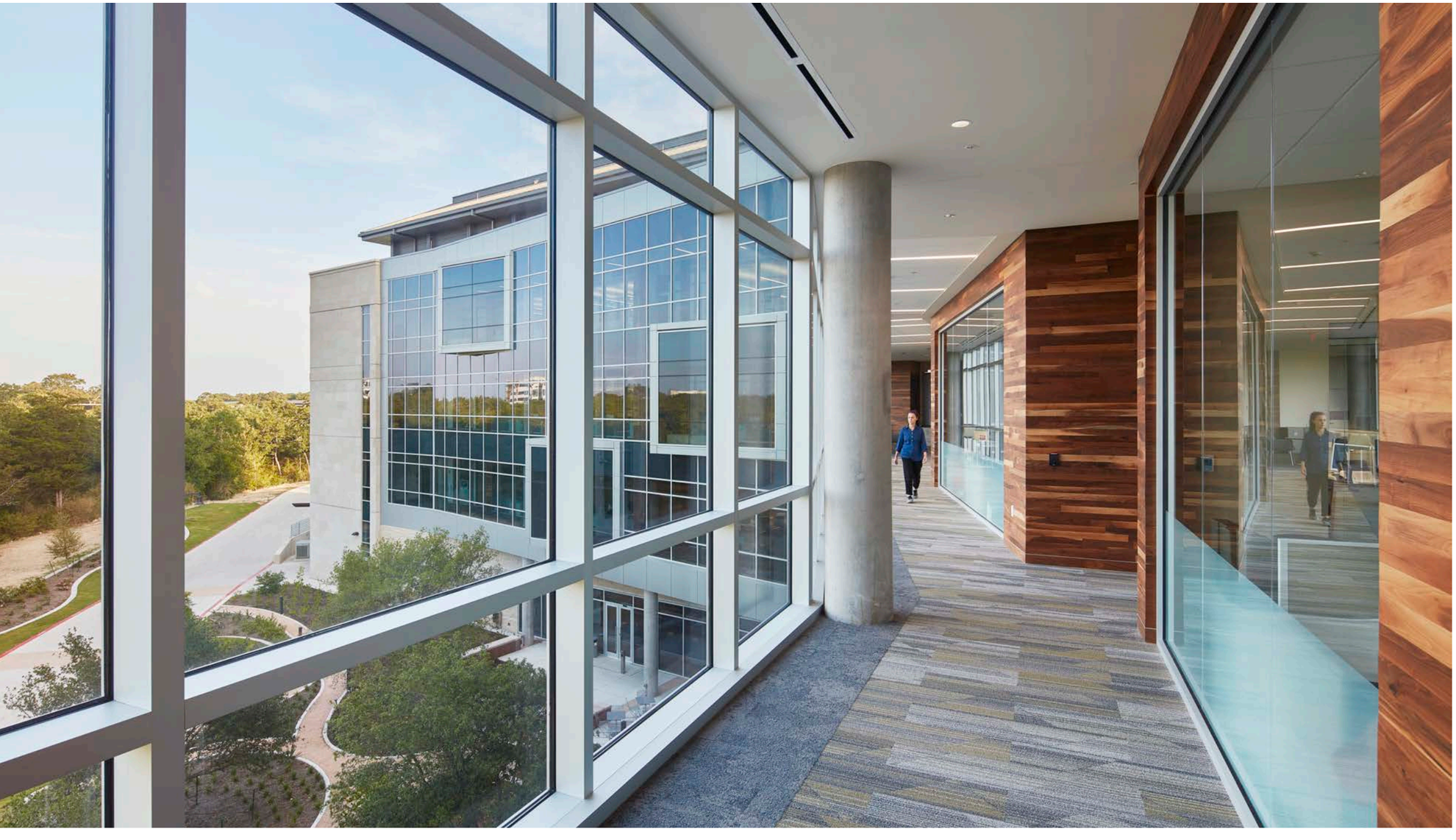
Awards

ENR Southeast, Best Project, Higher Ed/Research
Triangle Business Journal Space Awards, Top Education Project

Flad Architects served as the design architect and architect of record – in collaboration with The SLAM Collaborative.

Texas A&M University,
Health Science Center Medical Research and Education Building II

responsive research spaces



This project at the Texas A&M Health Science Center involves a 48,200-square-foot expansion of the existing Medical Research & Education Building (MREB 1) and a new, connected facility of 122,800 square feet, the MREB 2. Together these facilities were envisioned as a state-of-the-art laboratory that will support evolving biomedical research and physiology-based research activities at the Health Science Center. These new facilities are dedicated to research laboratories, laboratory support, and associated offices.

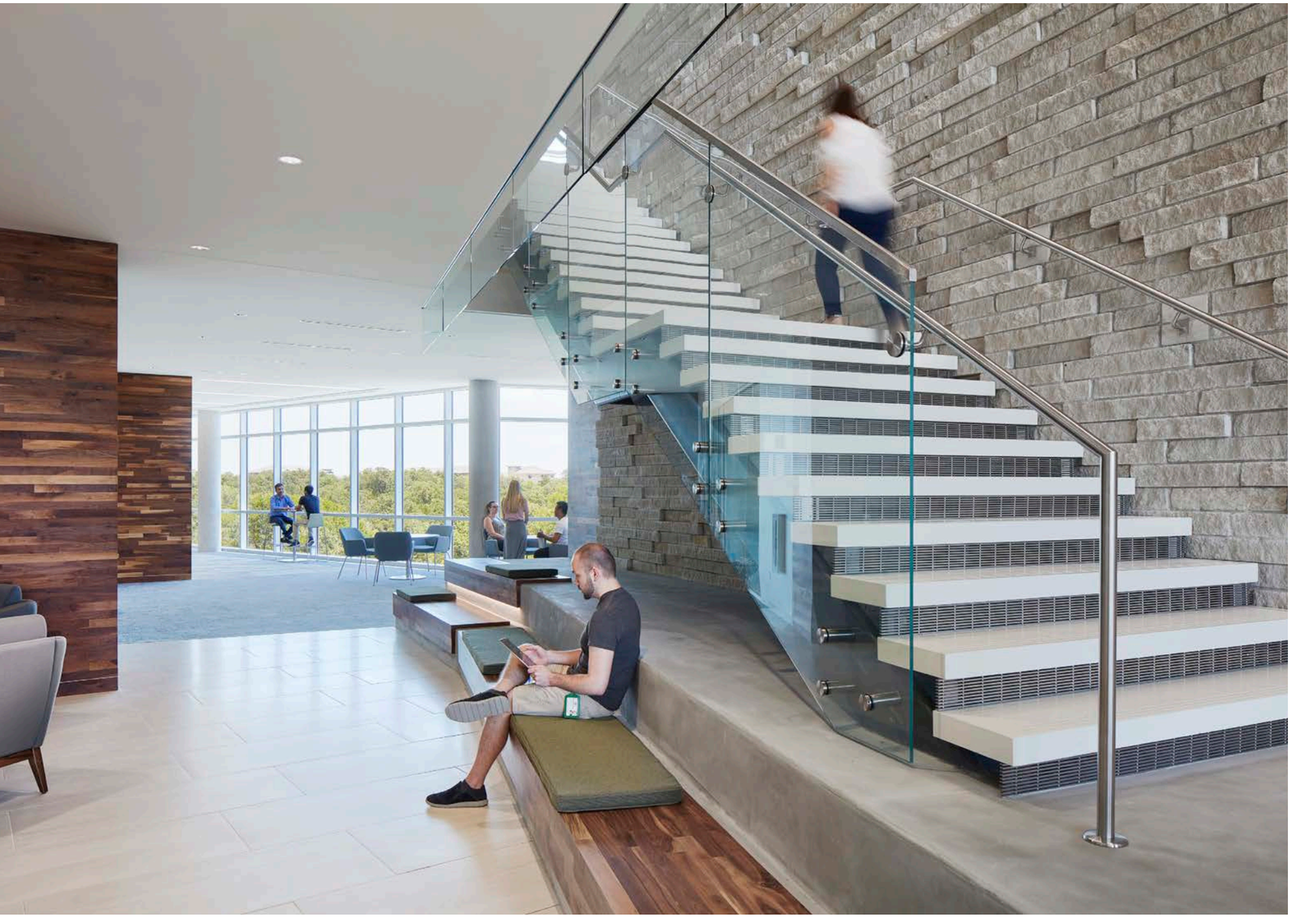
Programmatic Components

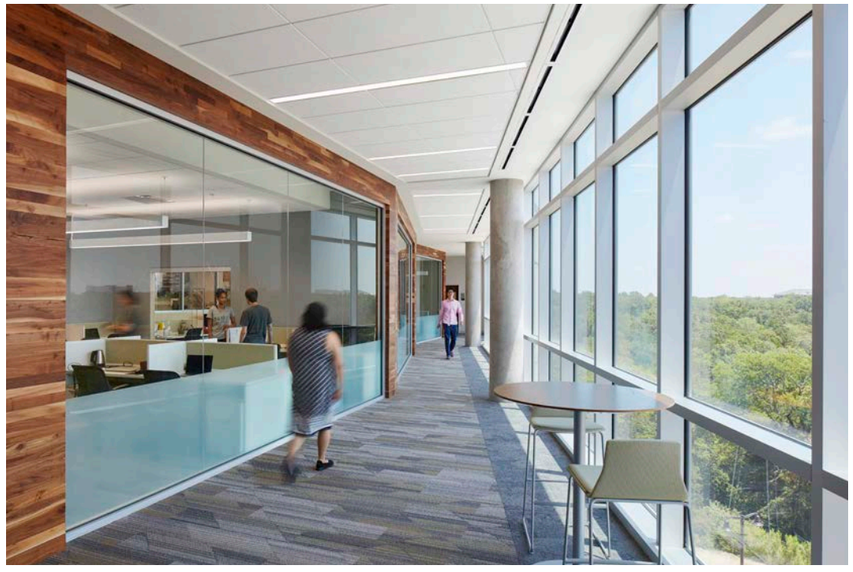
171,000 SF
Teaching / Learning
Research
Office / Meeting / Conference Space

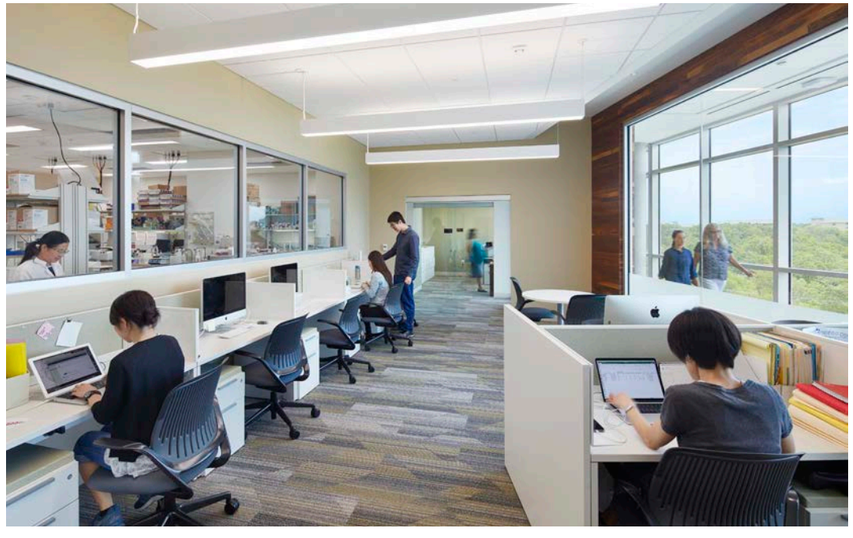
Awards

IIDA Wisconsin, First Place, Educational | Institutional

Flad Architects provided architectural design and planning – in collaboration with architect of record OMNIPLAN.







North Carolina State University,
Plant Sciences Building

supporting the future of ag science partnerships

Located on NC State's Centennial Campus, this new research facility is designed to provide modern infrastructure for plant science advancement at the university, create connections and collaboration among the many agricultural enterprises across the state, and become the premier plant science research center in North America. The facility is certified LEED Gold.

From the project's beginning, design was informed by the need to accommodate unassigned research faculty and rotating industry partners; the space program was developed around scientific capabilities, rather than specific investigators. Corporate partner suites function as incubator labs with access to support spaces, offices, and building amenities.

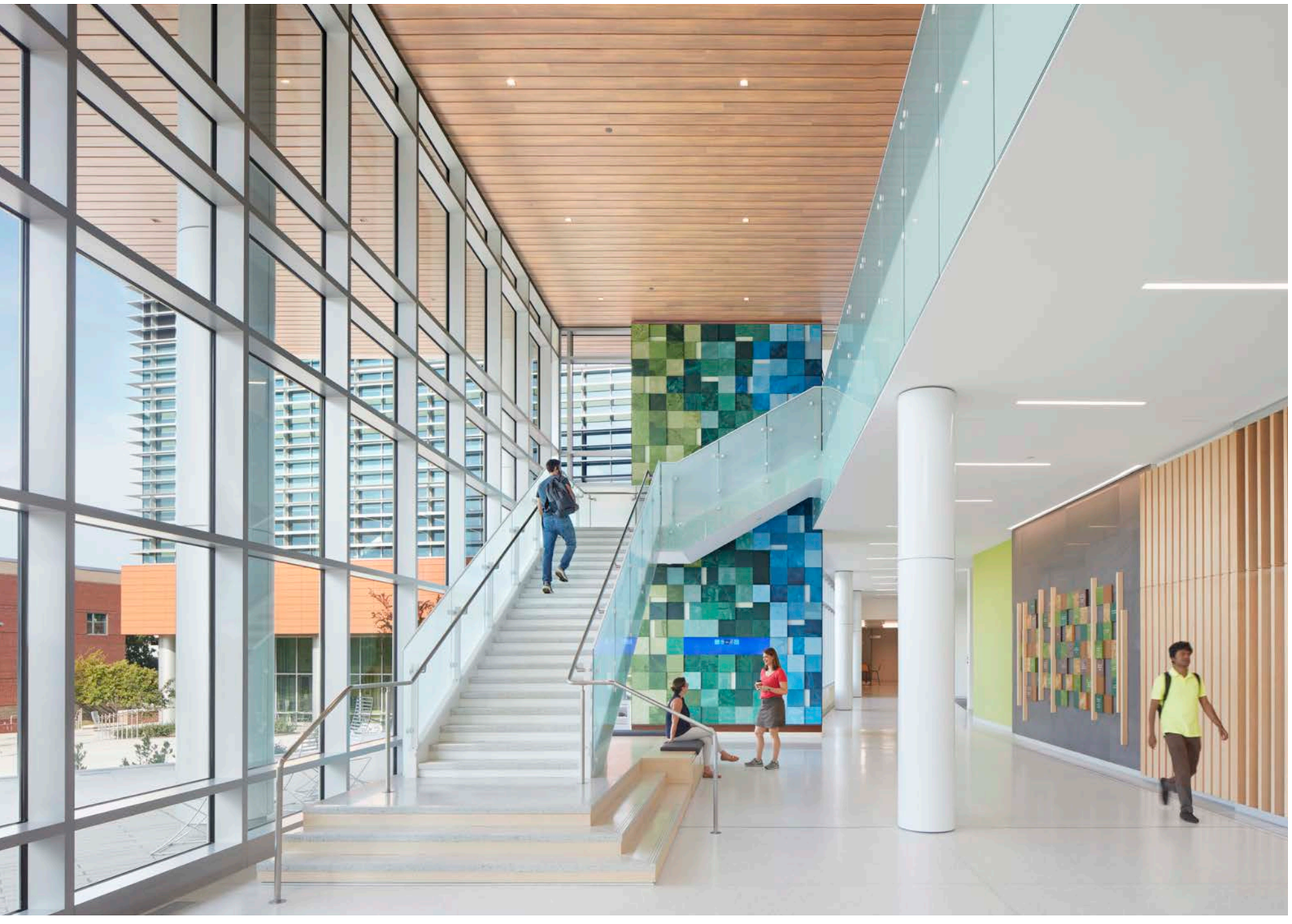
Programmatic Components

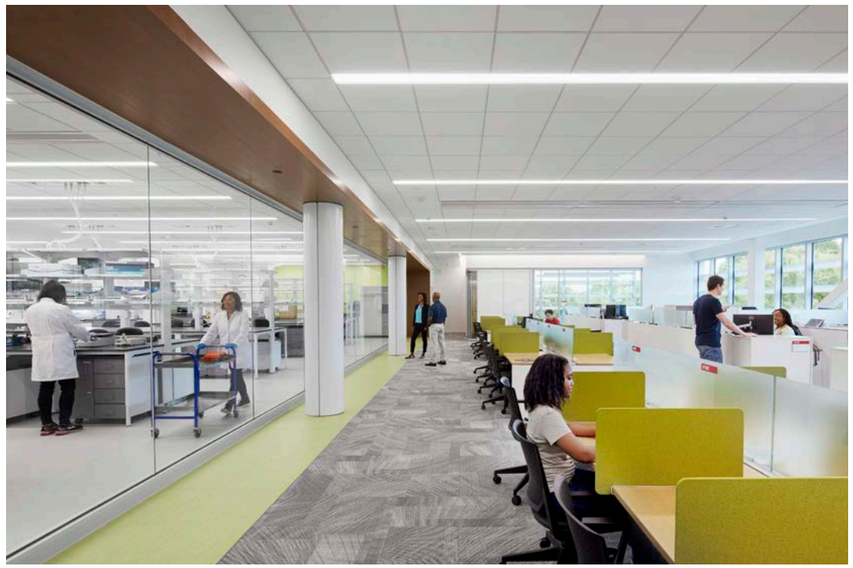
185,000 GSF
Advanced Ag Science Research Laboratories
Core Laboratories
Office / Workplace / Amenities
Research Greenhouse / Headhouse / Growth Chambers
Corporate Partner Laboratories
Flexible Flat-Floor Seminar Rooms
Demonstration and New Technologies Laboratory
Education and Outreach Spaces

Awards

LEED Gold
U.S. Department of Energy Building Envelope Campaign, Novel 20 Award
IIDA Carolinas DesignWorks, Education Category Winner
USGBC Carolinas, Community Leadership Award
Metal Construction Association, Design Award

Watch the project video






growing over so different
kinds of slopes are soil types

Purdue University,
Agricultural and Biological Engineering Building

engineering solutions to global challenges

The agricultural and biological engineering program at Purdue University is preparing the innovators of tomorrow with the skills that will help them solve some of the most technical challenges we face in agriculture, the environment, and in human health. Providing much-needed laboratory space to support growth in both graduate and undergraduate enrollments, the new building consolidates department research that was previously spread across several campus buildings.

The project includes a 37,000-square-foot renovation of the department's existing building and adds a new, 125,000-square-foot addition for research and instruction that supports a wide scope of technology-intensive programs including agricultural production, biochemistry, food sciences, and biological and ecological engineering. In addition, highly flexible labs for work involving sensors, data science, robotics and drones, and agricultural machine design further support opportunities to collaborate and solve problems across disciplines.

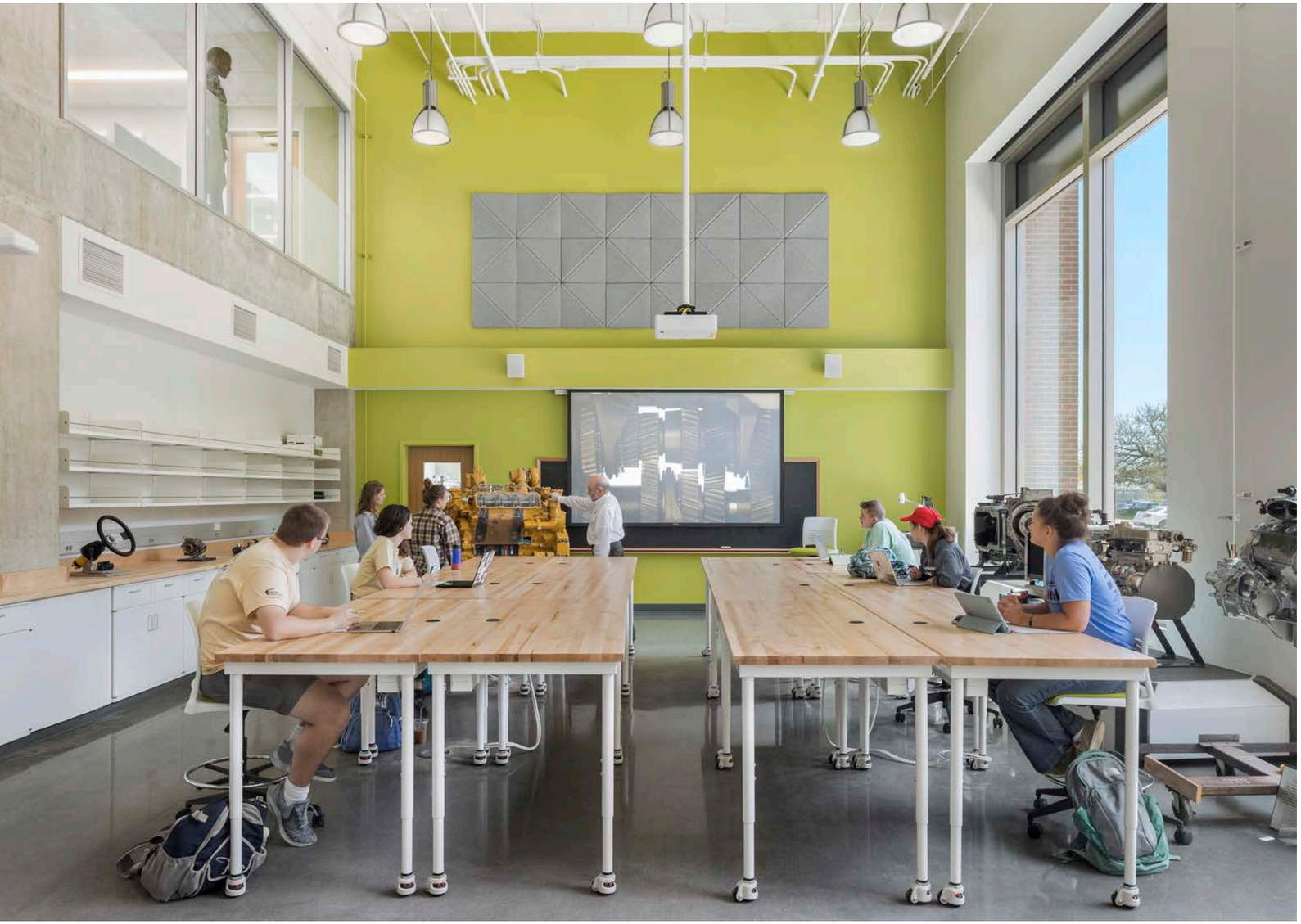
Programmatic Components

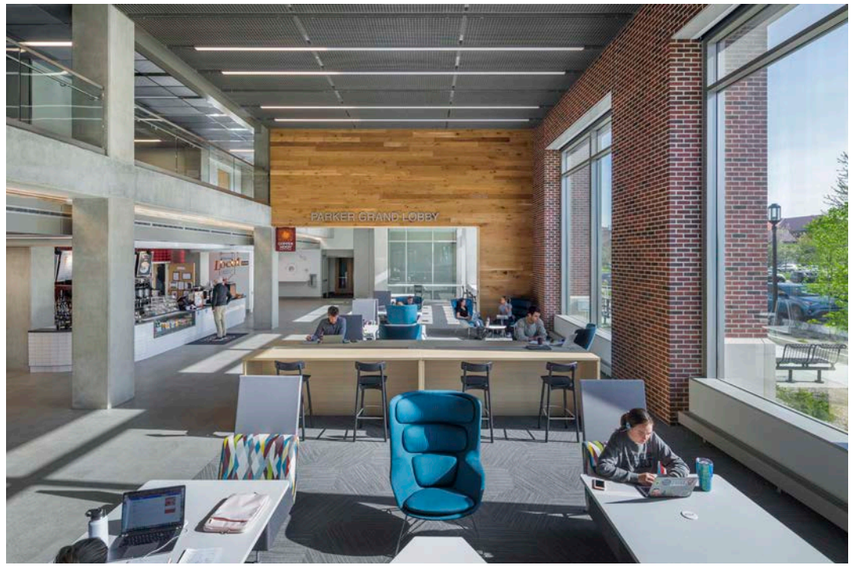
162,000 SF
Collaboration Spaces
Flexible Makerspace
Teaching / Learning / Classrooms
Flexible Research Laboratories / High Bay

Awards

LEED Silver
IIDA Wisconsin, Award of Excellence, Learning/Higher Ed

Flad Architects provided architectural design, laboratory programming and planning, and interior design – in collaboration with MSKTD & Associates (architect of record, interior design).




PARKER GRAND LOBBY

University of Kentucky,
Scovell Hall Facilities Renewal and Modernization

championing a healthier world

Addressing the evolving needs of the College of Agriculture, Food, and Environment, modernization of this facility provides a new home for the departments of Dietetics & Human Nutrition and Human Environmental Science as well as the college's administration offices. The new 91,000-square-foot space provides opportunity for program expansion and reinforces a strong community among students, staff, and faculty.

Dedicated to the pursuit of foundational knowledge about food systems and their impact on health outcomes, this facility supports instruction and research that prepares students for careers in dietetics, nutritional sciences, and a wide variety of health-related fields.

The design features a tall trellis canopy that shades a broad entry porch along the north glass façade, welcoming those who arrive from the academic campus and the student residences to the east. The historic 1905 Scovell Hall occupies a portion of the site and is incorporated into the building design, reflecting the legacy of foundational structures on campus.

Programmatic Components

91,000 SF
Teaching / Learning
Research
Active Learning Classrooms
Collaboration Spaces
Office / Conference Space

University of Georgia,
Poultry Science Complex

a world-class poultry science facility

With agriculture as the top industry in Georgia, poultry production is the lead economic contributor within this sector for the state as well as the nation, and the University of Georgia is home to one of the top-ranked poultry science programs in the country. Having outgrown the capacity and capability of the program's original 1959 facility, the new building provides a modern research and teaching environment. This state-of-the-art complex supports the innovation needed to solve current challenges and discover new possibilities, aiding in recruitment of the field's most talented researchers and continued excellence in development of the next generation of food science leaders.

Designed to enhance and expand the quality of instruction and research, the facility includes flexible classrooms, instructional laboratories, research laboratories, lab support spaces, and administrative offices. Undergraduate programs include avian biology, poultry science, animal health, and biological science. From research in genetics to embryology and nutrition to agribusiness, the complex supports the long-term sustainability of poultry as a food source.

Programmatic Components

75,000 SF
Teaching Laboratories
Research Laboratories
Classrooms
Collaboration Space
Office / Conference Space

Awards

CMAA South Atlantic, Project Achievement Award, Higher Education
Three Peaches, Georgia Peach Green Building Rating System


EXIT

Purdue University,
Veterinary Medicine Teaching Hospital Complex

visionary animal care and clinical research

Purdue University's new Veterinary Medicine Teaching Hospitals are vital for providing advanced veterinary medical care for animal patients, supporting the discovery of new treatments for both animals and people, and educating future veterinary medical professionals.

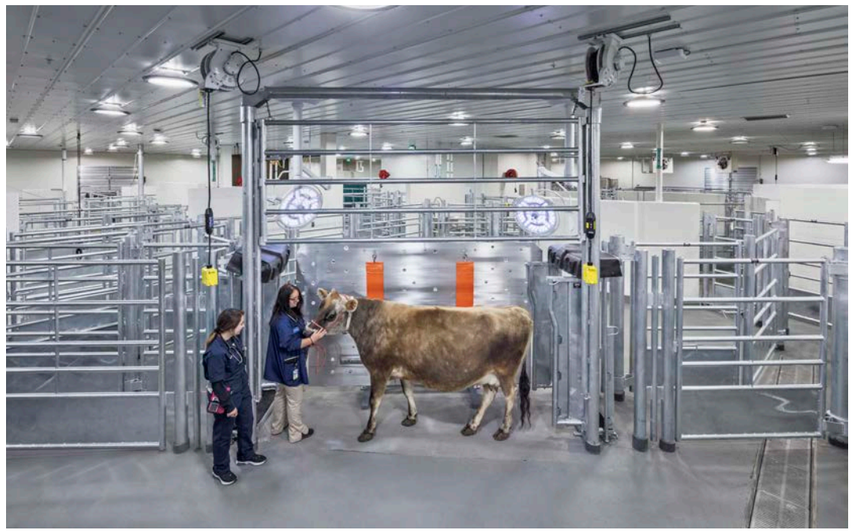
Located on a 13-acre site, three separate buildings serve the distinct needs of different animal populations. They include a 67,000-square-foot Small Animal Hospital, a 73,100-square-foot Equine Hospital, and a 23,900-square-foot Farm Animal Hospital. These state-of-the-art facilities support innovative clinical research and serve as clinical teaching laboratories for students in the Doctor of Veterinary Medicine and Veterinary Nursing programs, as well as postgraduate students completing internships and residencies.

Programmatic Components

164,000 SF
Small Animal Hospital
Farm Animal Hospital
Equine Hospital
Clinical Teaching Laboratories
Clinics / Surgery / Imaging

Awards

LEED Silver (Equine and Small Animal Hospitals)



University of Wisconsin-Madison,
School of Veterinary Medicine Addition and Renovation

advancing excellence in animal and human health

As UW-Madison's School of Veterinary Medicine programs continue to grow, the university has embarked on a significant expansion and renovation of the original building – which was also designed by Flad – to ensure clinical services and research discoveries maintain a trajectory of excellence into the future.

A 145,000-square-foot, three-story addition connects to the original structure at each level, providing a significant expansion that doubles the size of the small animal hospital. Connecting to the existing clinic, it provides new research, ABSL-3, and BSL-2 and -3 laboratories. It also includes new offices, conference rooms, and shared collaboration/ interaction spaces to support the teaching hospital.

Programmatic Components

199,620 SF
Small Animal
Equine
Farm Animal
Research Laboratories
Clinics / Surgery / Imaging
Teaching / Learning / Collaboration Space
Office / Workplace / Conference Space

Awards

IIDA Wisconsin, Honorable Mention, Science + Tech


EXIT
14
13
12
11
10
9


12

CUNY, Advanced Science Research Center and
City College Center for Discovery and Innovation

science without walls, research without barriers

The Advanced Science Research Center (ASRC) is the centerpiece of a comprehensive plan with a focus on five of the most energized areas of global research – nanotechnology, photonics, structural biology, neuroscience, and environmental sciences. The research floors provide flexible and specialty laboratories; support functions; and conference and office space for faculty, post-doctoral, and graduate students. A café, 100-seat lecture hall, and visitor education center are located on the first floor. Mirroring the ASRC is CCNY's four-story City College Center for Discovery and Innovation, providing undergraduate and graduate research labs.

The two centers are joined on the ground floor below the plaza with shared core labs housing TEM, SEM, and MRI imaging facilities; NMR suites; multiple cleanroom labs including ISO 5 (100), ISO 6 (1000), and ISO 7 (10,000); shipping and receiving areas; and mechanical space.

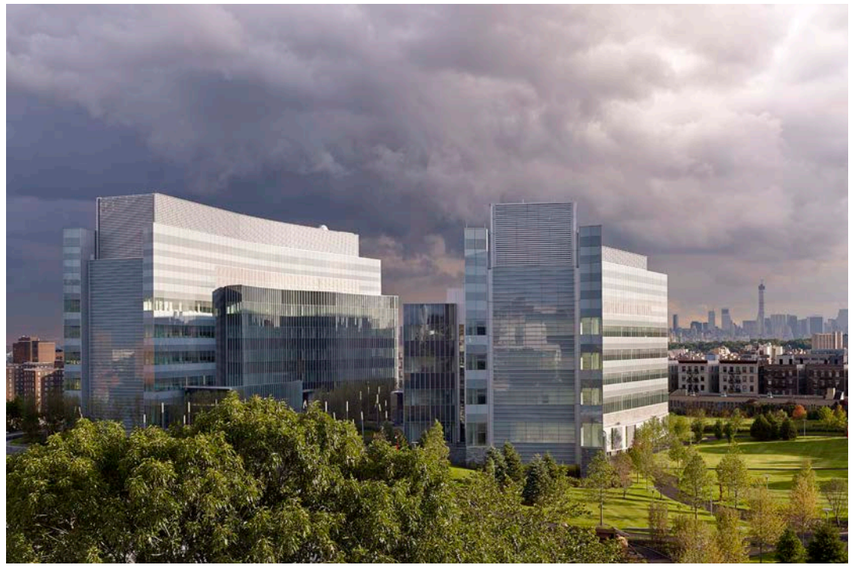
Programmatic Components

399,460 SF
Strategic Planning
Teaching / Learning
Research
Offices
Meeting / Conference Space

Awards

LEED Gold
AIA NY State Chapter Excelsior Award

Flad Architects served as architect of record – in collaboration with design architect Kohn Pedersen Fox.



Northwestern University,
Technological Institute Additions

engineering intersection of science and math

Northwestern's Technological Institute is one of the largest academic buildings in the world, with close to one million square feet of classrooms, offices, laboratories, and research facilities. It houses the Robert R. McCormick School of Engineering and Applied Science as well as the Weinberg College of Arts and Sciences. Over the last 75 years, the building has undergone countless renovations and additions to accommodate the ever-evolving scientific community at Northwestern University.

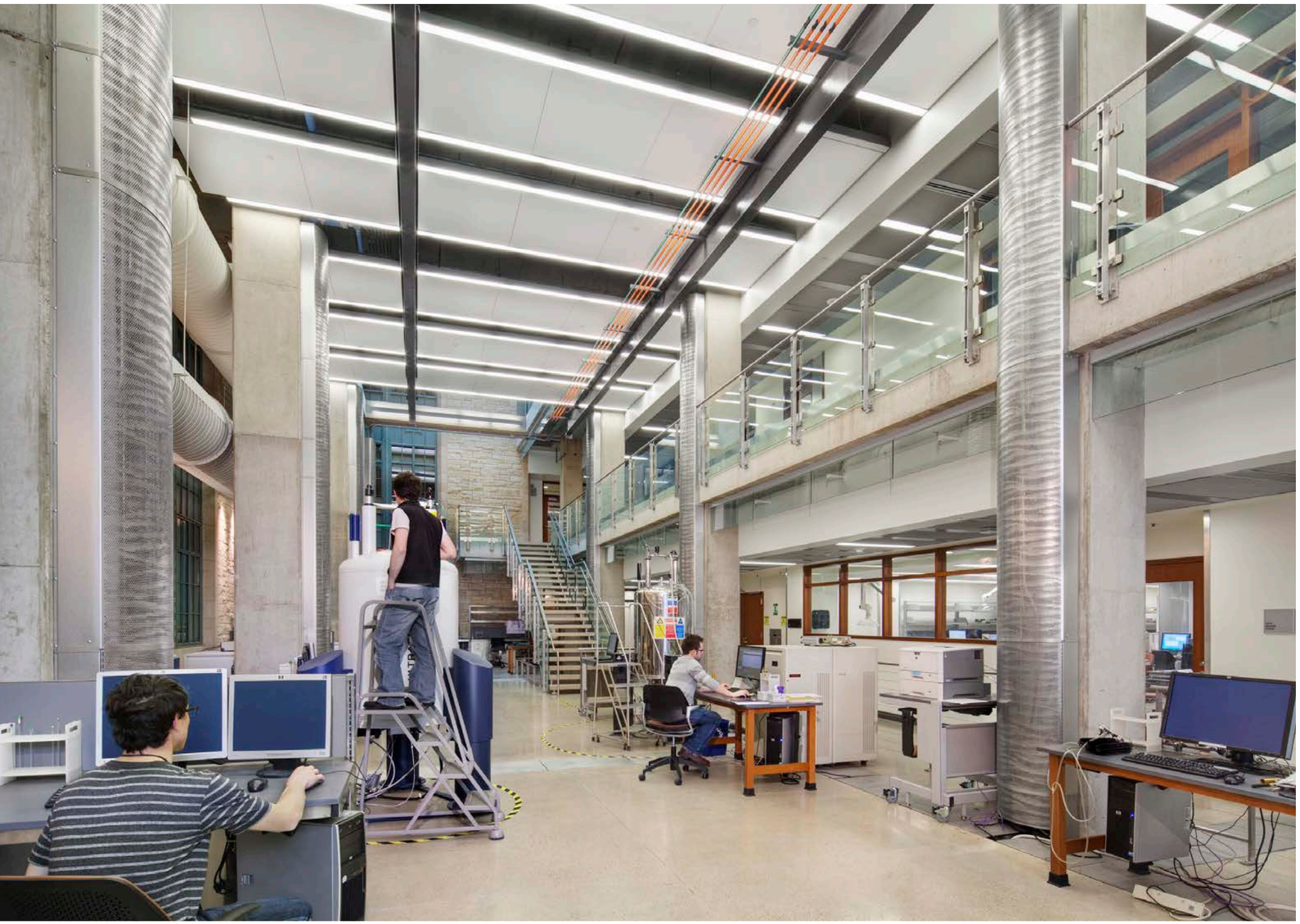
Since 2008, Flad has assisted Northwestern in the planning, programming, and design to update the university's science buildings to address strategic programmatic and academic needs. Four infill additions were incorporated between the building's existing wings, leveraging existing and new spaces to create a network of collaboration spaces and laboratory facilities designed for a wide range of uses that support multidisciplinary research as cutting-edge engineering intersects with biology, physics, mathematics, and chemistry.

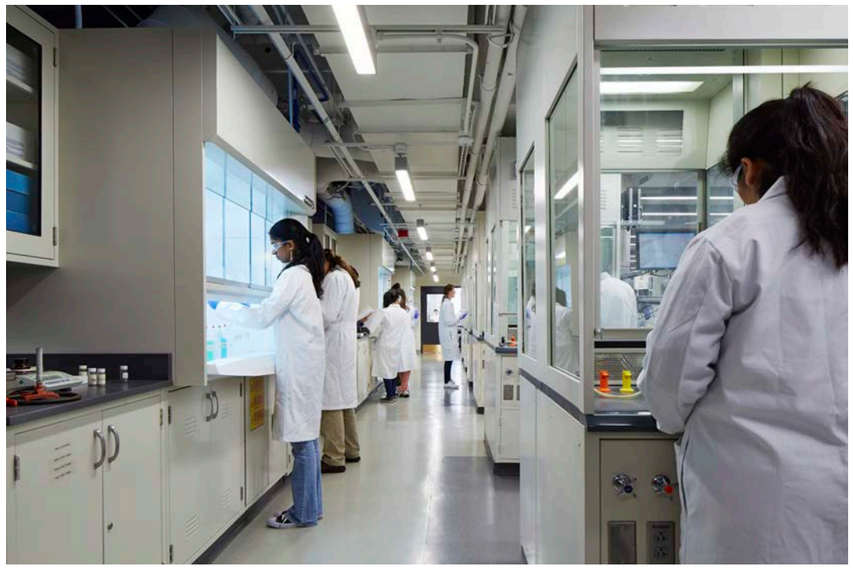
Programmatic Components

207,200 SF
Strategic Planning
STEM
Teaching / Learning
Scientific Discovery
Adaptive Reuse

Awards

LEED Silver - additions 1, 2, and 4
AIA Wisconsin, Honor Award (additions 1 and 2)





SELECT CLIENT LIST

Auburn University

Baylor College of Medicine

The California Maritime Academy

California State University

City University of New York

Clemson University

Colorado State University

Columbia University
Medical Center

CUNY Hostos Community College

Duke University

Emory University

Florida State University

Georgia Institute of Technology

Gonzaga University

Indiana University

Iowa State University

Johns Hopkins University

Medical College of Wisconsin

New York University

North Carolina State University

Northwestern University

The Ohio State University

PCCD Merritt College

Polytechnic Institute of NYU

Purdue University

Rutgers University

San Francisco State University

Santa Fe College

St. Petersburg College

State University of New York

SUNY Binghamton

SUNY Stony Brook

Texas A&M University

Tufts University

UF Health

University College Dublin

University of Alberta

University of Arizona

University of California

University of Chicago

University of Connecticut

University of Florida

University of Georgia

University of Idaho

University of Illinois at Chicago

University of Kentucky

University of Maryland

University of Mississippi
Medical Center

University of Missouri at Columbia

University of Nebraska

University of North Carolina

University of Saskatchewan

University of Texas Southwestern
Medical Center

University of Toronto

University of Washington

University of Wisconsin

University of Wisconsin School
of Medicine

University of Idaho

Virginia Polytechnic Institute
and State University

Wake Forest University

Washington State University

Western University

Yale University School of Medicine

Flad Architects is a national planning and design firm committed to creating environments that enhance human potential. In partnership with leading research organizations, universities, healthcare institutions, and science-based companies, Flad designs innovative facilities that enable revolutionary discoveries that have a profound impact on society.

Over 95 years of passionate and rigorous focus on buildings devoted to the sciences has earned Flad consistently high rankings among the top 20 architectural firms, both overall and in the specific areas of science & technology, academic, and healthcare design.

Flad.com

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