

SLAM

Health Sciences & Medical Education





Like healthcare itself, the world of medical education facility design is in constant flux. As advocates of change, we thrive in these moments of innovation. Our team is committed to using recent trends to blaze the trail for the next new idea. In health sciences education, informal learning spaces are becoming as important as formal instructional space in the age of active learning and “flipped” classrooms as schools strive to be “the preferred partner” for their students. As programmers/planners and designers of health science buildings across the U.S., the SLAM team brings a national perspective and first-hand knowledge of how the physical environment impacts the medical school experience.

SIMULATION & EXPERIENTIAL LEARNING



At Sacred Heart University, Health Professions Education Building, State-of-the-art simulation labs, immersive learning environments, educational spaces and clinical space support evolving IPE pedagogies serving the departments of Nursing, Physical Therapy, Occupational Therapy, Speech and Language Pathology, and Health Sciences consolidating all departments in a single location.



SIMULATION & EXPERIENTIAL LEARNING



The Johns Hopkins University, School of Medicine, Simulation Center incorporates a clinical skills suite, labor delivery rooms, operating rooms, trauma/ICU rooms, flex/debrief space which alternates between simulation rooms, a "Just-In-Time Lab" and flexible conference space and the Resuscitation Center highlighting JHU's history of innovation and leadership in this area. The Simulation Center provides training for interprofessional teams of students, caregivers and clinical staff, allowing them to explore, analyze, and synthesize their actions and thought processes, emotional states, and other information to improve performance in real-life situations.



ACTIVE LEARNING



At **University of Wisconsin-Madison, Health Science Learning Center**, highly effective learning environments enable revolutionary changes in curriculum. Methodologies like problem-based learning (PBL), team-based learning (TBL) and simulation-based learning (SBL) supports inter-professional collaboration and active learning and require instructional spaces that are designed to allow for innovative delivery of course content.



PARTNERSHIPS



The inaugural building for a new Medical Innovation District — **The Stone Family Center for Health Sciences** serves three institutions: Indiana University (new 4-year program for Medical Education, Dentistry and Research), University of Southern Indiana (Occupational Therapy, Nursing and Health Informatics), and the University of Evansville (Physical Therapy and Physicians' Assistant Program). Delivered as a public-private partnership (P3), the new facility's downtown location enhances community-wide visibility and provides access to potential partnerships between the three public/private institutions and the surrounding commercial, civic, corporate industry and health care institutions.



Through its location at the heart of **Duke Medicine** campus, the **Mary Duke Biddle Trent Semans Center for Health Education** is a nexus for users from hospital facilities, research labs and other health professional schools. Spaces of convergence, such as the meeting halls, café and small group rooms, support planned and unplanned events and activities enhancing community and sparking innovation.



BLURRED BOUNDARIES

Mocerino & Wille Chapters 13,10.4,11.8

Co(EDTA)

al-complexes

Lech-v22-3

Complexes

Blackman, Bottle, Schmid, Mocerino & Wille Chapter

- Complex ions
- Coordination compounds
- Geometry of complexes
- Chelates
- K_{stab}
- Solubility and complexes
- Nomenclature
- Isomerism in complexes
- Biologically important metal-complexes

Co(EDTA)



The University of Minnesota, School of Medicine, Health Science Education Building creates a link between the seven health sciences schools and the new Medical Health Clinic and Surgery Center. A series of unique large-format classrooms including a 200-seat TBL Theater, 150-seat Cabaret Classroom and 100-seat Learning Studio together with a comprehensive Simulation Center and Maker Space encourage AHC schools to collaborate in new ways and blur the lines between formal and informal learning.



The Emory University School of Medicine, Claudia Nance Rollins Education and Research Building is vertically organized on a constrained urban site, breaking down the previously arranged levels stratified by department that proved to be a hindrance for boundary crossing between departments and cross-cutting exchange between scientific disciplines. Intervening levels contain interdisciplinary research spaces with each floor dedicated to problem-based research teams, a significant departure from the current departmental organization.

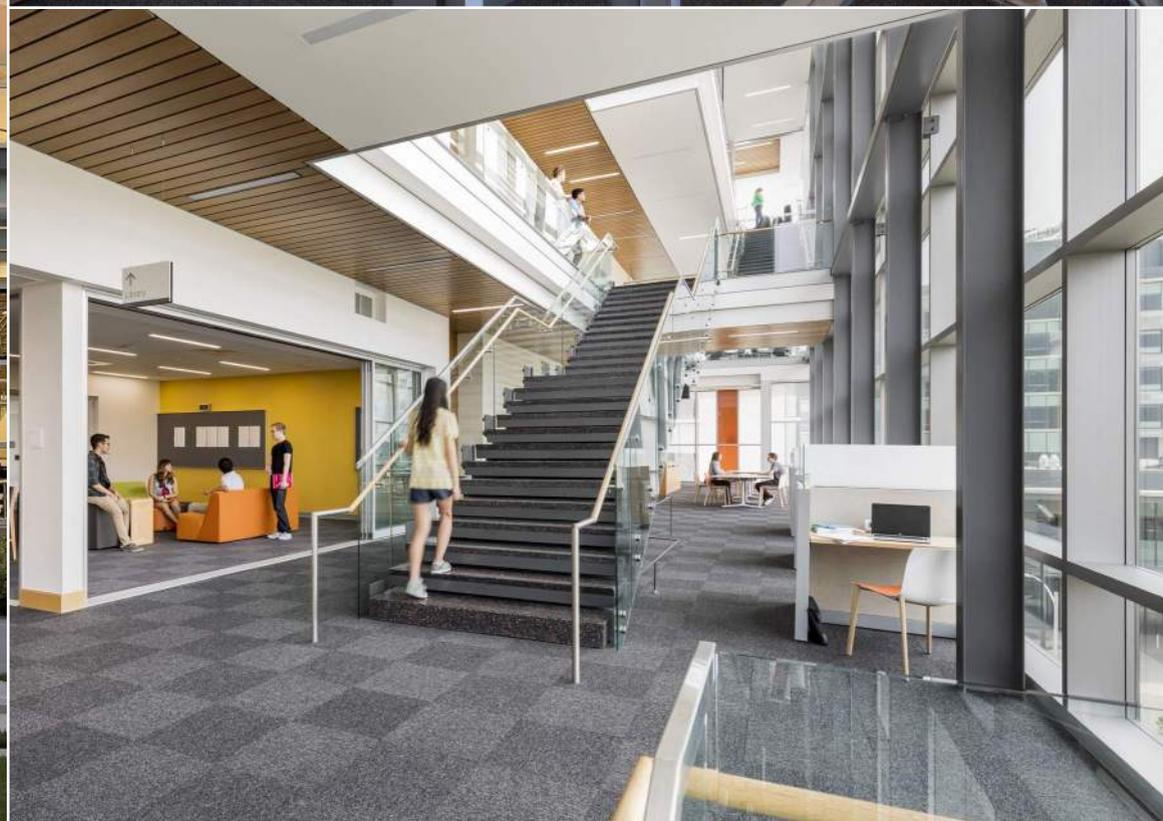
GROUND UP



A brand new medical school, **Western Michigan University's Homer Stryker M.D. School of Medicine** comprises a renovated former corporate research lab donated to the School and an addition that redefines the building's identity, integrates the complex in the urban context and brands WMed. Embracing the Kalamazoo community, WMed is located in the heart of the downtown commercial district and, from its first year, has had an impact on the revitalization of the city.



The **University of Texas at Austin, Dell Medical School, Education Building** is part of the first phase of a masterplan to create a new academic medical center at one of the nation's leading research universities. The program and plan identified "signature spaces" including Academic Societies that blur the lines between formal and informal learning, and the Experiential Learning Suite that allows dissection, virtual anatomy and clinical skills to be integrated into a single learning experience.



PHARMACEUTICAL



A distinguishing feature of the **University of Iowa, College of Pharmacy** is the University of Iowa Pharmaceuticals (UIP) program. UIP is the largest and most experienced university-affiliated FDA-registered pharmaceutical manufacturing program in the United States. A new clinical manufacturing facility contains three production lines; two sterile suites and a state-of-the-art isolator line capable of handling high hazard compounds. Located within the new College of Pharmacy building the UIP facility supports academic programs in clinical/pharmaceutical manufacturing.



The research-oriented **SUNY Binghamton, School of Pharmacy** building supports a recent economic development initiative with the Southern Tier, and acknowledges the demand for pharmacy services in the health care delivery system that offer the Pharm D. Degree along with advanced coursework in Pharmaceutical Sciences.



INNOVATION AND RESEARCH



The **Innovation + Learning Center at Saint Francis Hospital** makes innovation in primary care its central focus by conducting ground-breaking research on the best ways to deliver primary care to patients, improve education and increase retention of primary care trainees and providers.



The **CNY Biotech Accelerator, SUNY Upstate Medical University** is a space for innovators to collide and communicate new ideas with the Syracuse community that impact the regional economy. Highly flexible modular lab and pilot space allows users to occupy space with minimal customization.



