

THE INSTITUTES AT NORTHWESTERN MEDICINE

# INSTITUTE FOR MEDICAL EDUCATION AT NORTHWESTERN MEDICINE



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The central mission of a medical school is to educate doctors and scientists and prepare them well for roles to provide exceptional care, advance breakthrough science, and propel medicine forward for the benefit of people everywhere.

At Northwestern, we are setting the gold standard by ensuring we have the financial means to:

- matriculate top candidates to our degree programs;
- attract and recognize faculty dedicated to state-of-the-art teaching; and
- advance programs that foster core competencies such as patient-centered care, community engagement, effective communication, professional behavior, and a desire for continuous learning.

Our 16,000+ graduates represent us with distinction across the globe. The impact our graduates have on the health and well-being of society is one of Northwestern's most important legacies.

### Financial Assistance

Healthcare is personal. So, too, is the educational path an individual takes to become a vital contributor to the healthcare system. Northwestern offers a breadth of degree programs that enable students and trainees to become physicians, physician-scientists, physical therapists, public health professionals, physician assistants, genetic counselors, and biomedical researchers and executives. Top candidates from across the nation

apply for acceptance having shown profound commitment, perseverance, and unwavering passion, as well as the desire to be called a Northwestern University graduate.

To match that dedication, Northwestern must have the resources to provide sufficient financial assistance to ensure access to a Northwestern education. Imagine if Northwestern could become a *Tuition-Free Medical School*—if we could select from the very best talent. These students would join the ranks of our alumni, regardless of financial need. Scholarships for medical students, physical therapists, and others enable us to compete with other top-tier medical schools. Stipends, such as support available through the Driskill Integrated Graduate Program, benefit MD-PhD and PhD candidates. And, for physicians seeking clinical or research training through a Fellowship, we must provide stipends for the best trainees to sustain our reputation as a top-tier training center.

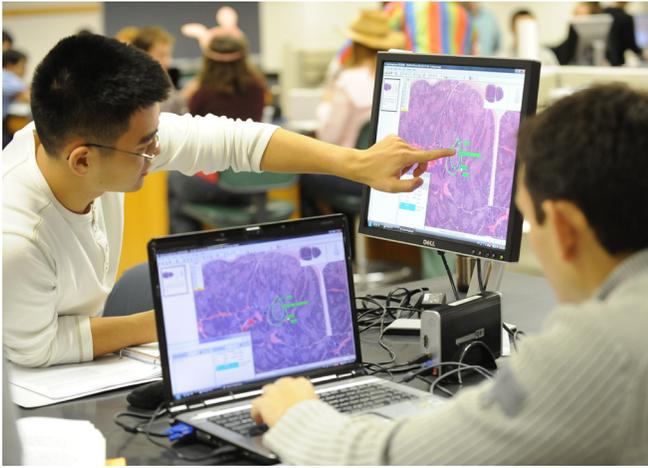
### Learning Environment

Education is the transfer of knowledge from generation to generation, ensuring not only that skills can be meaningfully applied, but that the responsibilities and competencies of the profession are understood. Careful attention, therefore, must be given to support for faculty teaching expertise, provision of state-of-the-art facilities, and ongoing research and development of the best curricular innovations and educational methods.



"I wear my research hat when treating patients so I know the best new evidence related to patient care. I wear my patient care hat when conducting research to find new answers for health issues. At Northwestern, we have the opportunity and responsibility to transfer this information to the next generation of outstanding medical and public health professionals through our Institute for Medical Education."

Eric G. Neilson, MD, Vice President for Medical Affairs and Lewis Landsberg Dean,  
Northwestern University Feinberg School of Medicine



Northwestern faculty serve as leaders of national medical associations, are peer-reviewers and editors of the most respected and referenced professional journals, advance new curricular approaches, and serve as the heart of our nationally recognized learning environment. Endowed professorships—the University’s highest honors—greatly assist our efforts to recruit and retain preeminent faculty who want to be part of an academic medical center and, thus, have a direct role in the education of future generations.

At Northwestern, we are continuously upgrading our teaching facilities and student study areas, and we are always exploring new learning modalities. We have transformed existing space to keep pace with informatics and technology-driven capabilities.

Examples of our educational facilities and modalities include:

- simulation bays that replicate fully equipped hospital rooms;
- an innovations laboratory where faculty and students from the medical and engineering schools build and test new learning tools and medical devices; and
- broadband internet resources capable of conducting interactive teaching sessions from our operating suites to multiple sites around the world.

We recognize that our learning environment must be welcoming, enable us to apply new knowledge to solve complex problems, and serve as the cornerstone of our academic excellence.

### Learning by Doing

Medical education is a lifelong process that requires the skills of self-assessment, self-reflection, continuous learning, and professional accountability. Northwestern



has long been in the forefront of curriculum advancements that ensure the development of core competencies vital to a healthcare professional. To maintain our national reputation in this area, we must expand the resources dedicated to competency-based education and assessment.

Our Simulation Technology and Immersive Learning center fosters the ability to practice procedural skills, learn patient-centered communication, imagine new devices, and become competent in team-based systems of care. The Education-Centered Medical Homes provide a mentored primary care experience throughout all four years of the MD program and help students gain invaluable perspectives about continuity of care and the business of medicine. Northwestern has ensured protected time for all medical students to have an Area of Scholarly Concentration. This program is designed to train students to perform a highly mentored project that culminates with the writing of a thesis and makes possible an individualized area of independent study in biomedical research or medically related fields.

At Northwestern, we believe that it is essential for students to gain knowledge and perspective about community health, both locally and globally. Through our Global Health Initiative, we support student, resident, and fellow travel to under-resourced clinics around the world as well as in rural locations across the nation. Two other breakthrough programs, *NUvention* and *INVOMedicine*, encourage new product ideas and the development of intellectual property that can be licensed to new start-up or large pharmaceutical companies through collaborative interactions across the University schools—medicine, law, business, and engineering. We proudly maintain one of the leading faculties in medical humanities and bioethics as part of our commitment to education in professional behavior and moral reasoning.

### Societal Impact

Northwestern's impact on the health of humankind has been influenced by past and current leaders in the field of medicine and by a community that believed in and embraced our mission.

- Robert Furchgott, PhD '40, received a Nobel Prize in Physiology or Medicine for his discoveries concerning nitric oxide as a signaling molecule.
- Charles H. Mayo, MD 1888, joined his father and older brother in their practice and pioneered the principle of group practice.
- Mary Thompson, MD 1870, was the medical school's first female medical graduate and the first female surgeon in the United States.
- Thomas E. Starzl, MD '50, PhD '52, is known as the father of transplantation, having performed the first successful liver transplant.
- Known as the creator of the "Bionic Arm," Todd A. Kuiken, PhD '89, MD '90, GME '95, has gained worldwide recognition for his neuro-controlled prosthetic arm that allows amputees to move an artificial limb simply by thinking about it.

Northwestern is forever linked to countless giants in medicine and science. Medical school graduates are currently serving as university presidents, hospital CEOs, deans, and department chairs. They are founders of



venture biomedical firms and other healthcare companies. They serve in leadership, administrative, and research positions in pharmaceutical and biomedical companies. And, of course, they are primary care and specialty clinicians at medical centers and clinics in major cities and small communities across the country.

Honoring those who have and are still having an impact on medicine and society is vital in ensuring that legacies are remembered. Graduates already have their names connected to buildings, professorships, scholarships, and lecture funds. Their legacy is tied closely with the education Northwestern provided and signals an appreciation for the lessons learned.

## NORTHWESTERN MEDICINE

Northwestern Memorial Hospital and Northwestern University Feinberg School of Medicine are seeking to enhance the health of humankind through Northwestern Medicine. We aspire to be the destination of choice for people seeking quality healthcare; for those who provide, support and advance care through leading-edge treatments and breakthrough discoveries; and for people who share our passion for educating future physicians and scientists. Our commitment to transform healthcare and to be among the nation's top academic medical centers will be accomplished through innovation and excellence. Through our *Institute for Medical Education*, we have the opportunity to excel in our core educational mission and propel our tradition as a champion of groundbreaking educational advances.