

# on the front lines of innovation

Every day, breakthroughs are made that alter the way researchers, physicians and society understand the nature of medicine.

Since its founding in 1843, Case Western Reserve University School of Medicine has been at the forefront of medical research and education.

In the lab, faculty members and students unravel medical mysteries, improving human health in their communities and around the world. In the classroom, school leaders adapt curriculum to keep pace with innovation, ensuring that tomorrow's doctors are prepared to lead the future of medicine.

Read on to learn more about Case Western Reserve's School of Medicine, its innovative approach to education, requirements for acceptance and its home in Cleveland, Ohio.

Visit [case.edu/aspire](http://case.edu/aspire) to learn more.

# 1852

Nancy Talbot Clarke graduates from the Western Reserve College Medical Department, which would later become Case Western Reserve University School of Medicine. She is the second woman in the U.S. to earn a medical degree.

# 1905

The world's first modern blood transfusion using a cannula to join blood vessels is completed at the school.



# 1910

Abraham Flexner's seminal report on medical education singles out Western Reserve School of Medicine as one of the top three medical schools in the country.

# 1912

A process for chlorinating drinking water, an important step in eradicating the source of typhoid bacilli, is developed at the medical school.



# 1935

Medical school faculty complete the first surgical treatment of coronary artery disease.

# 1915

A faculty member and alumnus develops the first simulated milk formula for infants.



# 1947

The first successful defibrillation of a human heart is performed at the medical school.

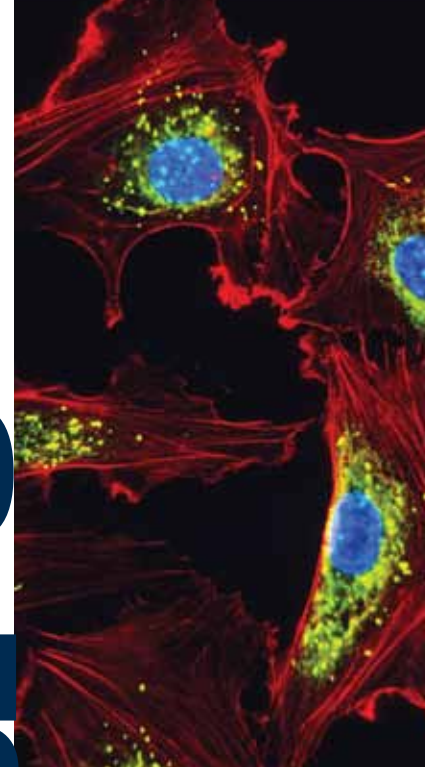


# 1950

The first course in CPR is developed at the school by the nation's first professor of cardiovascular surgery.

# 1952

The Western Reserve curriculum is launched, helping to redefine American medical education. The curriculum becomes the international standard within a decade.



# 1961

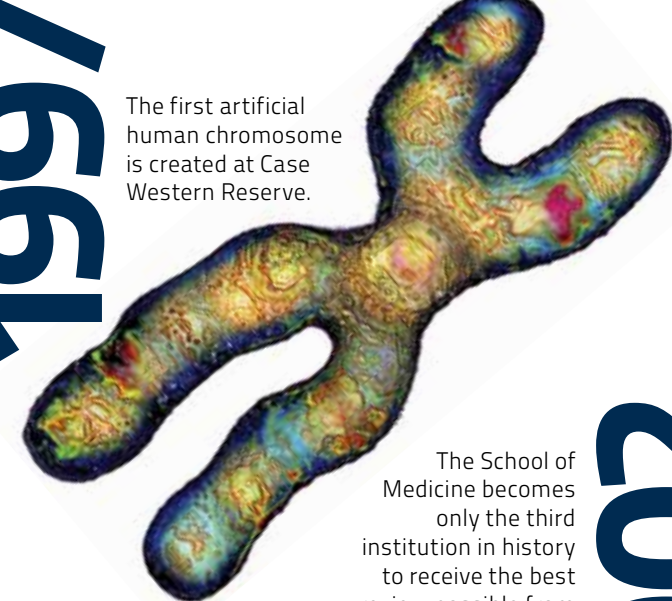
For the first time ever, human cells are successfully genetically altered in a test tube at the School of Medicine.

# 1975

A School of Medicine professor and his colleagues link enzymes produced by the kidneys to hypertension.

# 1997

The first artificial human chromosome is created at Case Western Reserve.



# 2002

The School of Medicine becomes only the third institution in history to receive the best review possible from the Liaison Committee on Medical Education, the body that grants accreditation to U.S. and Canadian medical degree programs.

# 2009

Case Western Reserve researchers create an at-home screening test for colon cancer.

Visit [case.edu/aspire](http://case.edu/aspire) to learn about the school's latest achievements.

# aspire



# blaze a new trail

Case Western Reserve University School of Medicine believes science should serve society.

Consistently ranked among the nation's best research medical schools by *U.S. News & World Report*, the School of Medicine takes a systems approach to basic science training, linking theory to clinical experiences. The result: well-rounded graduates who become leaders in basic science, clinical practice and health care policy.

The School of Medicine encourages scientific inquiry and promotes self-directed learning, preparing tomorrow's physicians to become life-long learners and effective members of health care teams.

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## Choose your path

Case Western Reserve medical applicants can choose from one of three distinct tracks.

- University Track: four-year MD program that trains well-rounded physicians who appreciate scholarship as an important cornerstone to the practice of medicine
- Cleveland Clinic Lerner College of Medicine of Case Western Reserve University (College Track): five-year MD program that prepares students for careers as physician-investigators. Students graduate with an MD with special qualifications in biomedical research
- Medical Scientist Training Program: eight-year, MD/PhD program that develops physician-scientists who bridge the gap between basic science and clinical research

Additional, combined MD/graduate level programs can be obtained in public health, bioethics, anatomy, nutrition and biomedical engineering, to name a few.

**"Helpful faculty are falling off trees here. They are all accessible and are genuinely interested in helping you further your goals."**

*—Chau Pham is director of Doc Opera, a variety show written, choreographed and performed by School of Medicine students.*

While these tracks have different concentrations, they share commonalities in their innovative approach to medical education:

- Immersion in clinical work that begins almost as soon as students arrive on campus
- Emphasis on an integrated, biological systems-based approach
- Small group, case-based learning throughout the curriculum
- Close relationships with faculty members
- Evaluation on a non-competitive, non-graded basis for at least the first two years
- Appreciation for science, infused with the skills of communication, compassion and professionalism



## Discover your potential

The School of Medicine prides itself on admitting a diverse student body. Completion of the MCAT is required for admission, but just as important are non-academic attributes such as integrity, interpersonal skills, professionalism and leadership ability.

Students interested in the College Track and the Medical Scientist Training Program should demonstrate significant research experience.

Visit [case.edu/aspire](http://case.edu/aspire) to learn more about our pre-medical requirements.

## Find a new home

Case Western Reserve is the centerpiece of University Circle—Cleveland's scientific, educational and health care hub. The area boasts 50 cultural, medical, educational, religious and social service institutions in a one-square-mile, park-like setting.

As the only medical school in the city of Cleveland, Case Western Reserve medical students gain robust practical experience through the school's affiliations with premier institutions, including University Hospitals Case Medical Center, MetroHealth Medical Center, Louis Stokes Cleveland VA Medical Center and the world-renowned Cleveland Clinic.

# partners in education

**"As a physician, you treat an entire person, not just a disease or a list of symptoms. You have to understand the person as a whole. At the School of Medicine, we become a part of the community, not just a place people go when they're sick."**

*—Gayan De Silva says that in addition to classmates and faculty members, older medical students have proven to be invaluable resources in his education.*



# personal and professional satisfaction

**"From taking vital signs during a house call to seeing urology patients at Cleveland Clinic, the School of Medicine's location has proved to be undeniably beneficial to my medical education. Additionally, the rich cultural and artistic diversity of the area has allowed me to expand my culinary and artistic knowledge as I build my medical knowledge."**

*—Krystyna Traudt, of Milwaukee, calls the School of Medicine "a family committed to preparing medical students to be both superior physicians and superior human beings."*



# learning from the experts

