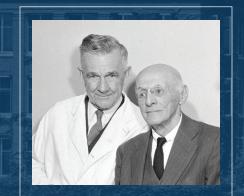
A brief history

THE SCHOOL OF MEDICINE AND DENTISTRY



George Hoyt Whipple and Abraham Flexner, 1954

ON THE COVER:

Clockwise, from top left: School of Medicine department chairs 1925; University President Rush Rhees laying the medical school's cornerstone; original bronze plaque now located in a corridor in the Miner Library; Strong Memorial Hospital entrance 1930; original lobby of Strong Memorial Hospital 1926 (now the Miner Library reading room); and George Whipple addresses medical staff 1926, in an auditorium later named after him

In 1910, Abraham Flexner, under the auspices of the Carnegie Foundation for the Advancement of Teaching, published a report on medical schools that led to a revolution in how medicine was taught across the country. and Dentistry graduated its first class in 1929.

By 1920, Flexner approached Dr. Benjamin Rush Rhees,

then president of the University of Rochester, with the idea of establishing a medical school at the university that would utilize his revolutionary ideals in medical education. Flexner and Rhees then approached George Eastman, founder of Eastman Kodak, to help back the idea financially. Additional monies came from the General Education Board of the Rockefeller Foundation and the daughters of the late Henry Alvah Strong, former business partner to George Eastman, to build a university, medical school, and hospital on land located on the southern boundaries of the City of Rochester near the banks of the

The first dean of the medical school, Nobel Laureate George Hoyt Whipple, M.D., came to Rochester in 1921, recruited from the University of California at San Francisco. Whipple helped shape the school from its inception, hiring faculty and staff and supervising the design and construction of buildings.

Genesee River.

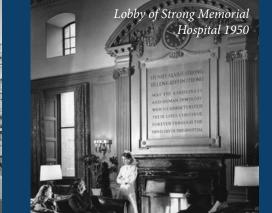
The medical school opened in 1925 and Strong Memorial Hospital opened its doors as a 250-bed community facility in 1926. The University of Rochester School of Medicine

Whipple's vision, built on the philanthropy of George Eastman, was a school and a hospital under one roof that integrated basic science and clinical practice. Today, that concept of physically integrating patient care and academics under one roof is still going strong.

Students in the School are educated by the Double Helix Curriculum, integrating the basic science and clinical medicine strands of medical education and weaving them throughout the four-year curriculum.

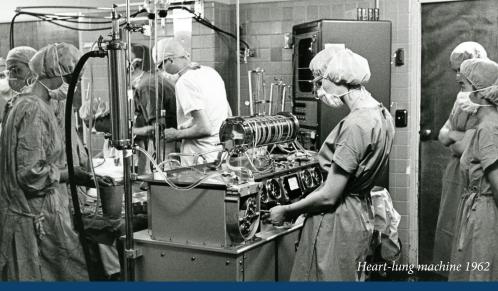
The School of Medicine and Dentistry transformed the future of medicine in Rochester and nationwide when it created the biopsychosocial model of education. Developed by Drs. George Engel and John Romano, this method systematically considers biological, psychological, and social factors and their complex interactions in understanding health, illness, and health care delivery.













During the first year, beginning in 1925, the required courses will be in the following subjects: anatomy (includ ng histology), biochemistry and physiology. At least once each week there will be a conference at which members of he clinical staff will discuss cases or conditions illustrating he applications of the subjects under study at the time in

The tuition fee is \$300 per annum, payable in equal in-llments at the beginning of each semester. A deposit \$25 will be required on acceptance of the candidate hich will apply on the first semester's fee but will be rfeited if the candidate does not enter and continue with the class for which he has enrolled.

Students will provide their own books, dissecting instrunents, laboratory gowns and other equipment at a minimum ost of about \$30 per year. These articles can be purchased Rochester, and information as to the required books and quipment will be given at the beginning of the respective

Each student must provide his own microscope, which will be constantly in use throughout the course and will be needed at once at the beginning of instruction. The microcope must be a compound instrument of the modern type, ith 2 oculars (approximately x5 and x10) and with 3 ojectives of about 16 mm., 4 mm., and 2 mm. oil immersion nd an Abbe condenser, all in good condition and yielding clear images. Arrangements can be made through the treasurer's office to purchase such an instrument on partial payment plan.

Expenses for the School from the first



Entrance Requirements

The minimum requirements for admission to the School of Medicine and Dentistry will be as follows: 1. Three full years of study in an approved university

2. One year (6 semester hours) of college English. This ourse must be largely devoted to training in written and 3. Three years of college chemistry, including

a) Inorganic chemistry (8 semester hours). Qualitative and quantitative analysis semester hours). (c) Organic chemistry (6 semester hours). N. B. A course in physical chemistry is desirable

4. One year of college biology (8 semester hours). 5. One year of college physics (8 semester hours).

6. A reading knowledge of German or French. It is understood that the requirements listed above indicate the minimum academic training necessary for admission. In general candidates who have had a more extensive raining will be given preference.

hould be for laboratory work. A knowledge of Latin such as is acquired in two years

a high school course is highly desirable.

The medical sciences have now become so diversified, and e opportunities for contribution to medical knowledge are o varied, that an extensive acquaintance with almost any field of scholarship may be turned to good account in the study of medicine. For this reason the Committee on Admissions will be favorably influenced by evidence of unusual attainment in any branch of learning which a can-

Admission requirements from the School's first bulletin 1925













1920

George Eastman gives \$4 million to match a \$5 million grant by John D. Rockefeller, Jr., making possible the School of Medicine and Dentistry. A plan to develop the School in connection with the University of Rochester is announced

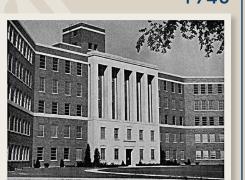
The first class of 20 men and 2 womer enters the School on September 17 and begins a)-week course in anatomy

> Warren M. Sperry (biochemistry) receives the first Ph.D. Degree.

George Whipple is awarded the Nobel Prize for his research that led to the alleviation of pernicious anemia

M. Elizabeth Marsh

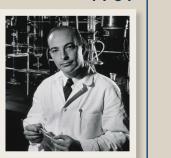
(Physiology-includes Vital Economics) is the first woman to receive a Ph.D. Degree.



The building of Strong Memorial Hospital's Wing R, one of the first psychiatric facilities in the nation to function as an integral part of a university hospital.

1940

1959



Arthur Kornberg, a 1941 graduate of the School, was awarded the Nobel Prize in Medicine, for his groundbreaking test tube synthesis of DNA.

Donald G. Anderson i



the thumb. The operation, known internationally as the "Burton

1970s



Richard Burton leads a team of orthopedists that developed a breakthrough surgery for patients with a common type of arthritis of procedure," is recognized as the gold standard therapy for this condition.

1990 °

Marshall A. Lichtman is appointed dean.

1980s [°]

Ira Shoulson directs the clinical trial that establishes Depreny as a treatment for Parkinson's disease.

1980

1990s

groundbreaking research

lives around the world.

1990

1996

proving implantable defibrillators

prevented sudden death in high-

saved hundreds of thousands of

risk patients. His studies have



° 2002 David S. Guzick is appointed

dean.

2001

NIH awards its largest grant ever to the University selecting the School as one of 12 institutions to lead the emerging field of clinical and translational research.

2006

Wilmot Cancer Center launches a Cancer Stem Cell Research Program, one of only three formal programs in the U.S. at the time.

2010

Mark B. Taubman is appointed dean.

disease.

2010

Center for AIDS Research by NIH, a designation that infuses \$7.5 million into HIV/AIDS work across the University and places it amongst the best in the nation for research to improve the prevention and treatment of the

The University is named a

1910

George Hoyt Whipple is recruited as the first dean. He spends the next

few years organizing the School.

1926

1920

Strong Memorial Hospital opens its oors to patients on January 4.

1930

The first graduating class of the School. 1929



appointed dean

George Engel

The School transforms medical education to train physicians in treating the "whole" patient through the "biopsychosocial" model created by George Engel and John Romano.

Iohn Romano

1940s



1966

1960

Ground is broken for the new

Strong Memorial Hospital.

Raymond Gramiak publishes the first study using ultrasound with an injected contrast agent to map the anatomy of the beating heart leading directly to the birth

of modern endocardiography.

1968



1970

were first to administer lung surfactant to premature infants, dramatically improving their survival rates. Surfactants are now used around the world.

1983

Robert J. Joynt is

appointed dean

1985

Medical Center researchers

appointed dean.

1990

David H. Smith Porter Anderson

Lowell A. Goldsmith is

The FDA approves the Haemophilus influenza type b (Hib) vaccine. The pioneering work in the development of the vaccine—which has virtually wiped out a leading cause of meningitis in preschoolers—was done by David H. Smith and Porter W. Anderson.

systems.

Edward M. Hundert is appointed dean. 2000

The Medical Center

is the first in the nation to implant an investigational medical device that lowers blood pressure by activating the body's natural blood pressure regulation

breakthroughs in cancer prevention had its origins at the Medical Center. The human papillomavirus (HPV) vaccine became available when it was approved by the FDA to prevent cervical cancer. It was created in part by virologists William Bonnez,

One of the greatest

2006

he Health Sciences Center Richard Reichman, and Robert Rose.

for Computational Innovation opens and is home to IBM's next generation supercomputer—the Blue Gene/Q—making it one of the 5 most powerful universitybased supercomputing sites in the

complex problems.

2012

nation. The facility is dedicated to using cutting-edge computational power to solve health care's most

1921

1950