

Hina W. Chaudhry, MD, a Cardiologist with Icahn School of Medicine at Mount Sinai / Chaudhry Laboratory

Get to know Cardiologist Dr. Hina W. Chaudhry, who serves patients in New York, New York.



New York City, New York Apr 24, 2023 ([Issuewire.com](https://www.issuewire.com)) - Known as a “Cardiac Magician”, Dr. Chaudhry is a renowned Pakistan-origin cardiologist & developmental geneticist with expertise in cell cycle biology, stem cell biology, and regenerative biology. She is a Professor of Medicine and Cardiology & Director of Cardiovascular Regenerative Medicine at the Icahn School of Medicine at Mount Sinai.

Her laboratory, known as Chaudhry Laboratory, was the first in the world to regenerate the porcine heart after myocardial infarction, with a 55% increase in cardiomyocyte numbers, using cyclin A2 gene therapy, the most extensive regeneration seen to date in large animals. Her lab has also utilized the phenomenon of fetal-maternal crosstalk to discover the stem properties of placental CDX2 cells which they have shown to be poised for cardiogenesis.

Obtaining her bachelor’s degrees in Chemistry and Biology at MIT, Dr. Chaudhry went on to complete her medical degree with Honors through the Health Sciences and Technology program at Harvard Medical School. She then completed her internship and residency in internal medicine at Duke University Hospital, followed by her fellowship in cardiovascular disease at the Hospital of the University of Pennsylvania.

Helping patients maintain a heart-healthy life, the doctor is board-certified in internal medicine and cardiovascular disease by the American Board of Internal Medicine (ABIM). The ABIM is a physician-led, non-profit, independent evaluation organization driven by doctors who want to achieve higher standards for better care in a rapidly changing world.

Having trained in genetics and developmental biology at the Columbia University Roy and Diana Vagelos College of Physicians and Surgeons, Dr. Chaudhry also became Florence Irving's Assistant Professor of Medicine there. She pioneered the study of cell cycle biology in cardiac development and its application to the treatment of heart disease.

Cardiology is a branch of medicine that deals with the disorders of the heart, as well as some parts of the circulatory system. The field includes medical diagnosis and treatment of congenital heart defects, coronary artery disease, heart failure, valvular heart disease, and electrophysiology. Cardiologists are doctors who diagnose, assess, and treat patients with diseases and defects of the heart and blood vessels (the cardiovascular system).

Dr. Chaudhry holds multiple patents in the areas of cell cycle manipulation for heart repair and the use of placental stem cells for heart repair. She has been honored by many organizations for her work in cardiac regeneration: she won the TEDMED Innovation Scholar, Clinician Scientist Award, and Best Manuscript Awards of the American Heart Association (AHA); is a principal scientist for the New York Stem Cell Board; and won the Sitara Imtiaz Medal by the Government of Pakistan. She is also the Founder & Chief Scientific Officer of VentriNova, a biotech company aimed at the clinical development of regenerative strategies she has developed.

A staunch supporter of women in STEM, Dr. Chaudhry has spoken on this topic at both the White House (under the Obama Administration) and twice at the United Nations International Day of Women and Girls in Science. She lectures worldwide in her research field and has been an expert commentator for CNN.

Outside of the lab, she enjoys traveling, pilates, and downhill skiing. She is multilingual, having studied 5 languages in her youth.

Learn More about Dr. Hina W. Chaudhry:

Through her findatopdoc profile,

<https://www.findatopdoc.com/doctor/2889077-Hina-Chaudhry-Cardiologist>, through Mount Sinai,

<https://profiles.mountsinai.org/hina-chaudhry> or through Chaudhry Laboratory,

<https://labs.icaahn.mssm.edu/chaudhrylab/meet-our-laboratory-members/>

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