Sujata Bhatia, MD, PhD, PE

Sujata K. Bhatia, MD, PhD, PE is a physician, bioengineer, and professionally licensed chemical engineer who serves on the teaching faculty of biomedical engineering at Harvard University. She is the Assistant Director for Undergraduate Studies in Biomedical Engineering. She has also been appointed an Assistant Dean of the Harvard Summer School; in this capacity, she supervises the academic progress and well-being of several hundred undergraduates each summer, and serves on the Summer School Dean's Council.

Sujata graduated from the University of Delaware in 1999 with bachelor's degrees in biology, biochemistry and chemical engineering and a master's degree in chemical engineering; she earned all four degrees in only four years. Sujata then trained in the MD/PhD combined degree program at the University of Pennsylvania School of Medicine and graduated in 2003, completing both degrees in four years. Her doctoral thesis work lent insights into immune cell and cancer cell migration, and was published in several journals, including Cancer Research, Biotechnology Progress, and Biophysical Journal.

From 2003 to 2011, Sujata was a principal investigator at the DuPont Company; her projects included the development of bioadhesives for wound closure, and development of minimally invasive medical devices. She worked on a team to develop a new surgical sealant; this system can prevent leakage from surgical wounds, and can be used to stop bleeding from traumatic wounds. She also worked on a team to develop microspheres for the minimally invasive treatment of cancerous tumors. She then worked on omega-3 fatty acids for heart health. Her industrial experience spans medical device and biotechnology product development, clinical trials management, intellectual property, leadership of multidisciplinary teams, and industry-academic partnerships.

In 2010, Sujata wrote and published a textbook, "Biomaterials for Clinical Applications," which discusses opportunities for both biomaterials scientists and physicians to alleviate diseases worldwide. The book was selected as Innovation Book of the Week by the Harvard Science, Technology, and Globalization Project. In 2012, she published two books with her Harvard students, "Medical Devices and Biomaterials for the Developing World: Case Studies in Ghana and Nicaragua," and "Naturally Based Biomaterials and Therapeutics: The Case of India."

She has served on a number of nationally recognized panels and committees and received a number of awards including:

1999 The University of Delaware Woman of Promise award.

2006 University of Delaware Presidential Citation for Outstanding Achievement.

2007 Sujata was inducted into the Hall of Fame of Delaware Women

2012 Harvard University President's Innovation Fund for Faculty

2012 The John R. Marquand Award for Exceptional Advising and Counseling of Harvard Students, the highest award in Harvard College for excellence in advising

At the national level, Sujata was invited to participate in the U.S. Frontiers of Engineering symposium in 2005. While this honor is given by the National Academy of Engineering to the nation's top 100 engineers ages 30-45, Sujata was selected for the honor at age 27. At the international level, Sujata was selected to participate in the 2006 Japan-U.S. Frontiers of Engineering symposium; this honor is given to the nation's top 30 engineers ages 30-45, and Sujata was selected at age 28. She co-organized the 2007 Japan-U.S. Frontiers of Engineering meeting. In 2008, she was the invited keynote speaker at the National Science Olympiad Invitational. She has delivered invited lectures at the Harvard Kennedy School of Government, the Harvard Medical School, and the Harvard College Chapter of Phi Beta Kappa. In 2013, Sujata will represent the United States at the Global Grand Challenges Summit, a joint initiative of the U.S. National Academy of Engineering, the U.K. Royal Academy of Engineering, and the Chinese Academy of Engineering.