



CV - Professor Robert LANGER

Citizen of the United States of America
Born August 29, 1948 in Albany, New York, USA
Married with three children

1970	B.S. (with distinction) Chemical Engineering, Cornell University
1974	Sc.D., Chemical Engineering, MIT
1972 - 1973	Chairman, Math and Science Departments, The Group School, Cambridge
1972 - 1974	Research Assistant, MIT
1974 -	Research Associate, Children's Hospital Medical Center, Harvard Med. School, Boston, USA
1977 - 1978	Assistant Professor of Nutritional Biochemistry, MIT (Visiting), Dept. of Nutrition & Food Sciences
1978 - 1981	Assistant Professor of Nutritional Biochemistry, MIT, Dept. of Nutrition & Food Sciences
1981 - 1985	Associate Professor of Biochemical Engineering, MIT, Dept. of Nutrition and Food Sciences and the Whitaker College of Health Sciences, Technology, and Management, and the Harvard-MIT Division of Health Sciences and Technology
1985 - 1988	Professor of Biochemical Engineering, MIT, Dept. of Nutrition and Food Sciences and the Whitaker College of Health Sciences, Technology, and Management, and the Harvard-MIT Division of Health Sciences and Technology
1988 - 2005	Kenneth J. Germeshausen Professor of Chemical and Biochemical Engineering, MIT, Dept. of Chemical Engineering and the Whitaker College of Health Sciences, Technology, and Management, and the Harvard-MIT Division of Health Science and Technology
1999 -	Senior Lecturer on Surgery, Harvard University, Harvard Medical School
2005 -	Institute Professor, MIT

Notable prizes and awards

2008	Max Planck Research Award
2007	The 2006 United States National Medal of Science
2006	Inducted into the National Inventors Hall of Fame
2005	The Albany Medical Center Prize in Medicine and Biomedical Research
2005	The Dan David Prize in Materials Science
2004	The General Motors Charles F. Kettering Prize for Cancer Research
2003	The Heinz Award for Technology, Economy and Employment
2003	The Harvey Prize
2003	The John Fritz Award
2002	The Charles Stark Draper Prize by the National Academy of Engineering
2002	Nagai Innovation Award
2002	The Dickson Prize for Science
1998	The Lemelson-MIT Prize for Invention and Innovation
1996	The Gairdner Foundation International Award
1996	Elected a Fellow of Biomaterials Science and Engineering
1992	Elected to the National Academy of Engineering
1992	Elected to the National Academy of Sciences
1990	Clemson Award for Basic Research

- 1989 Elected to the Institute of Medicine of the National Academy of Sciences
- 1989 Outstanding patent in Massachusetts and one of the twenty outstanding patents in the U.S.
- 1989 Founders Award for Outstanding Research (Controlled Release Society)

Patents

"Systems for the Controlled Release of Macromolecules", US Patent 4,164,560

"Controlled Drug Delivery High Molecular Weight Polyanhydrides", US Patent 4,888,176

"Biodegradable Injectable Nanoparticles", US Patent 5,543,158

"Three-Dimensional Fibrous Scaffold containing Attached Cells for Producing Vascularized Tissue *in vivo*", US Patent 5,770,417

"Aerodynamically light particles for pulmonary drug delivery", US Patent 5,874,064

"Transdermal Protein Delivery Using Low Frequency sonophoresis", US Patent 6,002,961