

Jeff Karp

Professor at Harvard University

Cambridge, MA, US

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Biography

Dr. Jeff Karp is a leading researcher in the fields of drug delivery, medical devices, stem cell therapeutics, and tissue adhesives. He is an Associate Professor at Brigham and Women's Hospital, Harvard Medical School, Principal Faculty at the Harvard Stem Cell Institute, and an affiliate faculty at the Broad Institute and at the Harvard-MIT Division of Health Sciences and Technology (where he teaches to MIT-Sloan business school students). He has published >100 peer-reviewed papers (with >13,000 citations) and has given 250 national and international invited lectures and has >100 issued or pending patents. Several technologies developed in his lab have formed the foundation for multiple products on the market and currently under development and for the launch of four companies including Skintifique, Gecko Biomedical, Alivio Therapeutics, Frequency Therapeutics. His laboratory has been funded by multiple companies, foundations and governmental funding agencies including the Bill and Melinda Gates Foundation, NFL, Johnson & Johnson, Phillips, Sanofi, UCB, NIH, DOD, US Army, Kenneth Rainin Foundation, Helmsley Trust, JDRF, Rheumatology Research Foundation, Coulter Foundation, Prostate Cancer Foundation, Brain Science Foundation, American Heart Association, Deshpande Foundation, Institute for Pediatric Innovation, Boston Children's Hospital, Brigham and Women's Hospital, the Government of India and the Government of Korea. Dr. Karp also won an internal Shark Tank award judged by Kevin O'Leary. Karp's work has been discussed in hundreds of newspapers, online websites, television newscasts, and radio shows around the world including CNN, ABC News, NBC, Boston Globe, LA Times, BBC, Discovery, National Geographic, The Atlantic, The Guardian, American Museum for Natural History, Popular Mechanics, CTV Canada AM. Karp has also appeared multiple times on CBC's Quirks and Quarks and NPR Science Fridays. The Boston Business Journal recognized him as a Champion in Healthcare Innovation and MIT's Technology Review Magazine (TR35) also recognized Dr. Karp as being one of the top innovators in the world (3 members from his laboratory have subsequently received this award).

Industry Expertise

Research, Biotechnology

Areas of Expertise

Biomaterials, Stem Cell Therapeutics, Drug Delivery, Medical Devices, Biomedical Engineering

Education

Massachusetts Institute of Technology
Postdoctoral Fellowship Stem Cells and Advanced Biomaterials

University of Toronto
Ph.D. Chemical and Biomedical Engineering

McGill University
B.Eng. Chemical Engineering

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