

Name

Smadar Cohen

Affiliations

Ben-Gurion University of the Negev

**Biography**

Smadar Cohen explores new strategies to promote tissue regeneration after injury and advance regenerative medicine as a therapeutic strategy for untreatable diseases. She develops tools, such as bio-inspired materials for promoting tissue regeneration; advanced perfusion bioreactors, with mechanical and electrical stimulation for tissue engineering; and intelligent nano-sized delivery systems for therapeutics. Cohen received PhD from Tel Aviv University and performed post-doctoral training at MIT with Robert Langer. At BGU, Cohen founded the Department of Biotechnology Engineering and the Regenerative Medicine and Stem Cell (RMSC) Research Center. Cohen received prestigious prizes; The Rappaport Prize for Outstanding Achievements in Biomedical Research; The Teva Founders Award for Breakthrough Research in Bio-Medical Sciences and Contribution to Science and State of Israel, among others. One of her inventions, an injectable biomaterial implant for treating damaged heart muscle after acute myocardial infarction (heart attack) is now tested in pivotal clinical trials.