

Orit Shefi is a Professor in the Faculty of Engineering at Bar-Ilan University. In 2005, she earned her Ph.D. from the Department of Physics at Tel-Aviv University, then from 2005-2008 she was a postdoctoral fellow at the University of California, San Diego. She is the Head of Neuroengineering and Regeneration Laboratory, Director of Bioengineering Track and Director of the Faculty Graduate Studies Committee. She is a member of the Gonda Brain Research Center and a member of the Bar Ilan Institute of Nanotechnologies and Advanced Materials. She published more than 70 papers and holds patents and she is the winner of numerous international grants and awards including Human Frontiers. Prof. Shefi's research focuses on nanotechnologies for neuronal engineering, 3D platforms for neuronal regeneration, magnetic manipulations of cells, engineered controlled drug delivery tools and machine learning developments for biological interfaces.