Shulamit Levenberg
Faculty of Biomedical Engineering, Technion

Prof. Shulamit Levenberg is the head of the Stem Cell and Tissue Engineering lab at the Technion Faculty of Biomedical Engineering. She serves as the director of the Technion Center for 3D Bioprinting and the Schneur Center for Diabetes Research.

Prof Levenberg leads cutting-edge research in tissue-engineering including bioprinting complex tissue for regenerative medicine. Her lab was the first to engineer vascularized tissue flaps, offering novel reconstruction techniques using engineered tissue constructs. Her work also demonstrated the effect of scaffold stiffness and tensile forces on early differentiation and organization of stem cells in 3D constructs, and on alignment of vessel networks in engineered tissues.

She recently developed unique stem-cell engineered tissue constructs that induce the regeneration and repair of injured spinal cords and a genetically engineered muscle tissue for treatment of type 2 diabetes.

Prof. Levenberg received numerous prizes. The most recent ones include the Rappaport Prize for Excellence in Biomedical Sciences, the Michael Bruno Memorial Award, the Katz prize and a Medal of Distinction from the Peres Center for Peace and Innovation.

Prof. Levenberg is founder and CSO of three start-up companies in the areas of spinal cord regeneration, cultured meat and nanoliter diagnostic arrays. She is a former member of the Israel National Council for Bioethics and is actively involved in training young scientists.