

Prof. Yael Hanein is a Full Professor of Electrical Engineering at Tel Aviv University, director of TAU Center for Nanoscience and Nanotechnology and VP at nanoRetina, an Israeli start-up company.

She received a B.Sc. degree in physics from Tel Aviv University, and the M.Sc. and Ph.D. degrees in physics from the Weizmann Institute of Science. In 2003, she completed a Postdoctoral Fellowship in the electrical engineering department and a research associate position in the Physics Department at the University of Washington, Seattle. She then joined the faculty of Tel Aviv University.

Prof. Hanein has authored over 100 journal and conference papers and presented over 110 invited talks and seminars worldwide. She was a founding member of the Global Young Academy and was selected in 2012 as a member of the Israeli Young Academy by the Israel Academy of Sciences and Humanities. In 2012 she was awarded the prestigious European Research Committee (ERC) starter grant.

Prof. Hanein's research activity is concerned with the development of electronic nano devices, in particular, devices designed to interface with electrically active cells in our body and to record their electrical activity. These devices have far reaching applications in the realm of understanding brain disorders, the effect of drugs on the brain and the development of new brain-machine interfaces.