



**Prof. Yael Hanein** is the Director of TAU Center for Nanoscience and Nanotechnology, she is an Associate Professor at the School of Electrical Engineering at Tel Aviv University, and a VP at Nano Retina, 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. She teaches undergraduate and graduate level classes at Tel Aviv University.

Prof. Hanein has authored 50 journal papers and presented over 50 invited talks and seminars worldwide. She is an APS member and an IEEE senior member, 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 starter grant.

Prof. Hanein's research activity concerns with the development of electronic nano devices, in particular, devices designed to interface with brain cells and to record their activity. These devices have far reaching applications in the realm of understanding brain disorders, the effect of drugs on the brain and the possibility to build implantable electronic brain chips.