

Dr. Benjamin Gavish is a biophysicist, freelance researcher and inventor in multiple fields of science and technology. Since 1994 he is the CSO of a digital-health company established with his son Erez Gavish that developed, manufactures and markets his invention - the only device cleared by the FDA for self-treatment of hypertension (RESPeRATE) used by over 200,000 patients that also demonstrated efficacy in treating symptoms of cardiac and pulmonary diseases, and a device (2breathe) for sleep induction. He holds numerous patents on therapeutic devices and methods and physiological monitoring technologies. During the last two decades he developed novel clinical concepts that enable to obtain by blood pressure measurements non-linear mechanical properties of arteries with diagnostic and prognostic significance, which are being introduced in the clinical practice. He published over 70 peer-reviewed papers in leading journals in medicine, physiology, physics, biochemistry and chemical physics, including PNAS and Nature. Academic career included PhD in theoretical solid-state physics from Tel-Aviv University; Weizmann Institute (Katzir fellowship); University of Illinois at Urbana-Champaign (Fulbright fellowship) and The Hebrew University Hadassah Medical School (Alon fellowship). Past president of Israel Microcirculation Society; a member of the scientific committee of the International Society of Vascular Health and Israel Society for Medical and Biological Engineering. Received awards for scientific achievements and recognitions for excellence in academic teaching.