

Ori Cheshnovsky



Short CV: Ori Cheshnovsky (Born 1947, Paris, in Israel since 1949) was husband to Dalia (deceased) and is father to Sharon, Anat and Yoav. He undergraduated at Tel Aviv University (TAU) and received there his MSc (1972) and his PhD (1979) degrees. Following postdoc studies with Herschbach at Harvard (1981) Cheshnovsky is a Chemistry faculty at TAU (full professor - 1995).

Cheshnovsky, an experimental Chemical Physicist, studied clusters, by utilizing novel methods, developed by him, in photoelectron spectroscopy and which became the standard in the field. He focused on identifying critical cluster-size which supports bulk properties. Recently Cheshnovsky specializes in Spectroscopy of nano-objects (2 patents). His research covers spectroscopic mapping, (STS, absorption and Raman) of conducting nanometric junctions and particles, and the development of new super resolution microscopy techniques. Cheshnovsky authors ~ 85 publications (~4800 citations) and is the Incumbent of the Sackler chair on clusters and nanoparticles.

In 2001-2004 Cheshnovsky served as the chair of Chemistry at TAU. Was a visiting scientist at the universities of Rice, Yale, Berkeley UC, Vienna, Basel and the CNRS at Orsay. He is the recipient of The Weizmann Prize in Exact Sciences (2007) and is a Fellow of the American Physical Society (since 2008). His students serve in academy (4) HiTec (10) and one is the founder of an ALD company.

Since 1997 Cheshnovsky promotes nanotechnology in Israel and TAU. In 1997-2001 served in the "Bichura" committee of promoting nanoscience research in Israel. In 2002 served in the TELEM Committee for Israel nanotechnology national initiative (INNI). His 1998 initiative to establish a comprehensive nanotechnology center at TAU resulted in the first nanocenter in Israel (2000). In 2004-2012 Cheshnovsky headed the center and the INNI project at TAU. He established and headed (2004-2012) the forum of nanocenters in Israel.