

Prof. Roie Yerushalmi has been on the staff of the Institute of Chemistry of The Hebrew University of Jerusalem since 2008, and he is also a member of the university's Harvey M. Krueger Center for Nanoscience and Nanotechnology. He entered the field of nanoscience during his postdoctoral studies at UC Berkeley, focusing on the study of nanometric-scale systems and particularly on nanostructure synthesis, characterization, and assembly. He has participated in developing new methods for the formation of largescale ordered nanowire arrays, deployment of nanostructures at interfaces, and surface doping of nanostructures.

His current research interests concern the design and synthesis of hybrid nanostructures for photocatalysis and for the harvesting of light energy as a renewable and sustainable energy source. His group's research activities range from the development of new surface chemistries and the synthesis and surface modification of hybrid nanostructures, to nanostructure array assembly and comprehensive characterization of complex nanostructured systems by application of analytical methods. Roie is the recipient of several awards, including the Kennedy Prize, the Career Development Award of the Human Frontier Science Program and a prestigious European Research Council (ERC) young scientist research grant.