

Ricardo Garcia is a Professor of nanoscience and nanotechnology at the Instituto de Ciencia de Materials de Madrid (CSIC). His scientific activity is focused on the development of force microscopy methods for studying soft materials and solid-liquid interfaces. In the late 90s, he contributed to the development of tapping mode AFM. More recently, his research is focused on three problems: development of multifrequency methods, in particular, bimodal AFM for high-resolution mapping of soft matter; designing 3D-AFMs for providing atomic-resolution images of solid-liquid interfaces and advancing AFM for mechanical property mapping of living cells. Some of his inventions are commercialized.