

Short Bio

Albert Romano-Rodríguez received his degree and PhD in Physics from Universitat de Barcelona in 1986 and 1991, respectively. His PhD dissertation on the use of transmission electron microscopy techniques for the characterisation of advanced microelectronic processes was experimentally carried out at IMEC, Belgium. He was appointed associated professor in 1993 and full professor in 2020 at the Department of Electronic and Biomedical Engineering of Universitat de Barcelona. His research is centred in the synthesis of materials, their structural and chemical characterisation, the fabrication of sensing devices based on them and the study of their sensing behaviour. He has participated in several projects both at EU, Spanish and regional level and currently coordinates a EU H2020 FET-Open project (StretchBio) on the development of force sensors based on photonic crystals with the aim of their application in the field of life sciences and, more concretely, to drug screening for cancer treatment. He has supervised 4 postdoctoral researchers financed by the EU MSCA program and has supervised 9 PhD, 4 more ongoing.