



Prof. Banafshé Larijani is Head of Cell Biophysics laboratory since 2002 at Cancer Research UK, was appointed Senior Scientist in 2013 and in 2014 was awarded an Ikerbasque Research Professorship where she moved her laboratory to the Biophysics Institute- Bilbao, Spain. She holds an adjunct professorship with Stony Brooks University NY and University of Massachusetts, Amherst MA, USA. Prof Larijani's laboratory is a cutting edge cross-disciplinary platform, which draws upon the physical sciences to develop novel avenues for investigation of biological processes. Her laboratory has led to paving a unique path by investigating the role of phosphoinositides and their metabolites, both as second messengers and as modulators of membrane morphology. Outcomes of her fundamental research involving the application of quantitative imaging (FRET-FLIM) for investigating molecular mechanisms of phosphoinositide-modifying and phosphoinositide-dependant enzymes have resulted in their application to various clinical objectives. She has worked on the clinical objectives for more that 15 years and the result is that she is the main inventor of the following patent **GB 304352.6**- filed in March 2013 with Cancer Research Technology (CRT). It is the applications of this patent that have been used in the clinical studies. Since 2002 she has published 76 primary research articles, as corresponding author, in the area of nuclear envelope biogenesis, lipid signalling, and cancer biology and has over 1600 citations.