

Professor Mervyn Miles

Mervyn Miles is Professor of Physics at the University of Bristol where he is head of the Nanophysics and Soft Matter Research Group. The Nanophysics group has a reputation in the development and application of instrumentation of scanning probe microscopy (SPM) techniques to biomolecular systems. The group has invented new types of microscopy of particular importance in nanoscience and nanotechnology through its ability not only to image and follow processes at this scale in most environments, but also to manipulate and write structures at the nanometre level.

He is also director of the University of Bristol's Centre for Nanoscience and co-director of the Interdisciplinary Research Centre for Nanotechnology at the University of Cambridge, University College London, and the University of Bristol. It is funded with £10M for six years, and has already attracted substantial further funding.

New buildings to house the activities of the IRC have been built at each of the three universities. Interdisciplinary research is key to nanotechnology and is central to the philosophy of the IRC. Mervyn Miles has worked in the U.S.A., Japan, and Germany; he has published over 220 research papers and was also a founding member of Infinitesima Limited, a spin-off from his research group launched in July 2001 and now a successful company.