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Biography: Professor Kenneth A. Dawson is Chair of Physical Chemistry at University College Dublin, Ireland, and Director of the Centre for BioNano Interactions (CBNI). He received BSc and MSc degrees in 1980 and 1981 from the Queens University Belfast, and DPhil from the University of Oxford, UK in 1984. Professor Dawson is chairman of the National BioNanoscience Action, coordinator of the European Infrastructure, managed numerous large scale multi-sectoral cross-disciplinary research international and EU projects. He has represented Ireland on various international bodies, including the OECD and ISO working groups on standards for Nanotechnology, been an advisor in the EU 'New Risk' Committee of the European Commission, the ad hoc Advisory group of the European Medicines Agency, and numerous other agencies and foundations around the world. He has been distinguished visiting Professor by Chinese Academy, Brazilian Science Foundation, the Canon Foundation. He is an Academician of the Royal Irish Academy, FRSC, and various international scientific organizations. He was awarded the US National Academy Cozzarelli Prize, Richardson Prize and Medal of Royal Society of Chemistry, Sloan, Dreyfus, and IBM Foundation prizes.