



Prof. Duncan Graham

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Duncan Graham is the Research Professor of Chemistry and the Head of the Department for Pure & Applied Chemistry at the University of Strathclyde. He started his research career with a PhD in Bioorganic Chemistry studying with Professor Tom Brown at the University of Edinburgh. He then moved to the University of Strathclyde where he became interested in the use of Surface Enhanced Raman Scattering (SERS) for use in biomolecular analysis aimed at improving healthcare. His research sits at the interface between Chemistry, Biology and Physics with a very strong push into the biomedical and clinical research sectors. He has developed specific nanoparticle based assays involving SERS for the detection of DNA relating to fungal infections which was translated into a CE marked product and used in hospitals in Europe. His current PI funding from the EPSRC Healthcare Technologies involves a collaboration between two clinicians, two biomedical scientists, a statistician and two chemists with a view to understanding more about cardiovascular disease and also to develop new methodologies for assessing the vulnerability of atherosclerotic packs using Raman spectroscopy. He is the Strathclyde lead for the CDT in optical medical imaging with the University of Edinburgh and serves on the EPSRC physical sciences SAT and the MRC's confidence in concept panel. Additionally, he is the Vice Chair of the CRUK and EPSRC Multidisciplinary Expert Review Panel with the aim of bringing more physical sciences into cancer research and sits on the Science Committee of CRUK. He is chair of the editorial board of Analyst and serves on the advisory boards of Chemical Society Reviews, Chemical



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Science, Analytical Methods, Journal of Raman Spectroscopy, Journal of Biomedical Spectroscopy and Imaging and the new Cell press journal, Chem. He is president of the Analytical Division of the Royal Society of Chemistry and chairs the Analytical Chemistry Trust Fund. To date he has published over 200 papers with 16 patents and has supervised or co-supervised over 55 PhD students and 30 postdoctoral researchers.