

Professor Pankaj Vadgama is Professor of Clinical Biochemistry, Director of the IRC in Biomedical Materials at Queen Mary University of London and visiting Professor at the Southern Medical University, Guangzhou, China. He has qualifications in Medicine and Chemistry. His research interests are in electrochemical biosensors for Point of Care Testing, in particular minimally invasive sensors for oxygen, ion and metabolite monitoring in tissue and sweat. He has over 40 years of experience in the adaptation of biosensor chemistry to direct, practical use in biofluids and has over 200 publications on biosensors and biomaterials.

Underpinning research activity is in polymeric membrane technology for the manipulation of solute mass transport, enhanced surface biocompatibility and in the design of bioactive bone adhesives. He has also developed packaging materials for implantable electronic devices and microfluidics platforms for stabilised biosensing. He was the recipient of the Foundation Award of the Association of Clinical Biochemists. He is on the editorial board of 6 journals and is Editor in Chief of Bioelectrochemistry. He has been on a range of EPSRC panels (currently Engineering Fellowships). He sits on BSI committees for nanotechnology, biotechnology and cell therapies, is Scrutineer for Fellowship applications to the Institute of Materials Minerals and Mining and is on their Nanotechnology, Smart Materials and Biomedical Materials panels, and is a UK representative on ISO (nanotechnology). He is deputy chair of a knowledge foundation for Africa (CFK) promoting training for graduate researchers.

He recently completed an EPSRC Programme grant on monitoring of elite athletes and has current projects on textile sensors (Queen Mary Innovation), bioactive adhesives (EPSRC CASE), bioreactor monitoring with Leeds and (Innovate UK, BBSRC) microfluidics (UK India Education and Research Initiative) and is a partner in a Marie Curie exchange Program with China on biomedical materials. He currently second supervisor to four PhD students.

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