

Guest Speaker



ABOUT Professor Jaipaul Singh

Professor Singh gained his BSc (Major Biology and Minor Chemistry) degree from the University of Guyana in 1971. In September 1970 he started the Postgraduate Diploma in Science Education and Management and he was awarded a Dip Ed in 1972 from the University of Guyana. In 1974 Professor Singh joined the University of St Andrews in Scotland where he did his PhD. His thesis was entitled 'Evidence for the involvement of intracellular cyclic nucleotides in the control of myocardial contractility'. Following his PhD in 1978, he worked as a Research Fellow at the University of St Andrews (1978-1980), University of Dundee (1980-1981) and the University of Liverpool (1981-1984). Professor Singh joined Preston Polytechnic (now University of Central Lancashire or UCLAN) in 1984. He was promoted to Senior Lecturer (1986), Principal Lecturer (1988), Reader (1991) and subsequently to Professor (1993). In July 2011, Professor Singh was awarded the degree of Doctor of Science (DSc) from the University of Central Lancashire for a thesis entitled 'Mechanism of secretory and contractile responses in tissues and cells of the body in health and disease'.

Professor Singh has published 23 reviews, 22 book chapters, over 185 original manuscripts and 230 referred abstracts. He has supervised 62 postgraduate research students successfully for PhD (42), MD (1), MPhil (2) and MSc by Research (17). Currently, he is supervising three PhD students. Professor Singh also examined over 55 postgraduate research students for the MSc by research, MPhil, MD and PhD. He is also the field editor for three scientific journals and a member of several professional scientific societies.

Since 2002, Professor Singh has been involved mainly with research and training of postgraduate research students in the School of Pharmacy and Biomedical Sciences (60 students) and the School of Forensic and Investigative Sciences (100 + students). As Research Degree Tutor (RDT), his responsibility is to recruit, admit and guide the postgraduate students throughout their research degree career with the help of their specific supervisors. He is responsible for all governance issues involved in research training, supervision, examination and successful completion. He also collaborates with several research laboratories nationally and internationally.

Professor Singh has published widely on the heart and exocrine glands. His primary research interest is on diabetes mellitus (both type 1 and type 2) investigating how the disorder is inducing cardiomyopathy, neuropathy and nephropathy. Linked to this is also other related interests in the role of regular exercise, diet modification and education to prevent, treat and control diabetes. He has also worked on the beneficial effects of cinnamon and *Momordica charantia* (corilla or bitter melon) to treat diabetes mellitus. In doing these studies it was discovered that *Momordica charantia* could be used effectively to kill a number of different cancer cell types. They are trying to isolate and characterise the active anti diabetic and anti-cancer compound(s) in *M chaantia*, investigating their therapeutic effects as single or combined therapy.

Professor Jaipaul Singh is married to Aileen and they have two adult children (Andrew and Angela) who are working and living in London. He also has a granddaughter, Evie Singh.

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