

BIOSKETCH

Kevin Brindle is a senior group leader at the Cancer Research UK (CRUK) Cambridge Research Institute (CRI) and also holds a personal chair in the Department of Biochemistry at the University of Cambridge, UK. He obtained his first degree in Biochemistry at the University of Oxford in 1978, where he also studied for a D.Phil under Prof. Iain Campbell, FRS before moving to Prof. Sir George Radda's FRS MRC Biochemical and Clinical Magnetic Resonance Unit in 1984. In 1986 he was awarded a Royal Society University Research Fellowship, which he held first in Oxford and then in Manchester, where he became a lecturer in 1991. He moved to a lectureship in Cambridge in 1993, became a Reader in 2001 and Professor in 2005. Prof. Brindle's research group is currently focussed on the development of novel imaging methods for detecting the early responses of tumours to treatment. Recently this has included techniques that utilize hyperpolarised ^{13}C -labelled cell substrates. Hyperpolarization can give a $10^4\times$ gain in sensitivity and allows us to image the distribution of a labelled molecule and, more importantly, its metabolic conversion into other metabolites. This technique is offering new insights into tumour metabolism *in vivo*.