

Don McNaughton is an Australian Professorial Fellow and director of the centre of Biospectroscopy based in the school of chemistry, Monash university. After completing a PhD in microwave spectroscopy of transient species at Monash University and an SERC post doctoral fellowship at Sussex University in transient species and astro-chemistry he was appointed to the academic staff at Monash chemistry in 1988. There he has pursued interests in high resolution infrared spectroscopy and more recently in the area of biospectroscopy. His current major program of research involves developing Raman and infrared micro-spectroscopy and imaging techniques to understand and follow biological processes and disease at a molecular level. Since 2002 this has involved considerable use of IR microscopy beamlines at Daresbury (UK), Singapore, Taiwan, Saskatchewan (Canada) and more recently the Australian synchrotron to study processes in single cells and in tissue. A research program involving the development of high resolution IR and microwave techniques to understand the spectroscopy of astrophysical and atmospheric molecules also makes heavy use of the far-IR beamline at the Australian synchrotron.