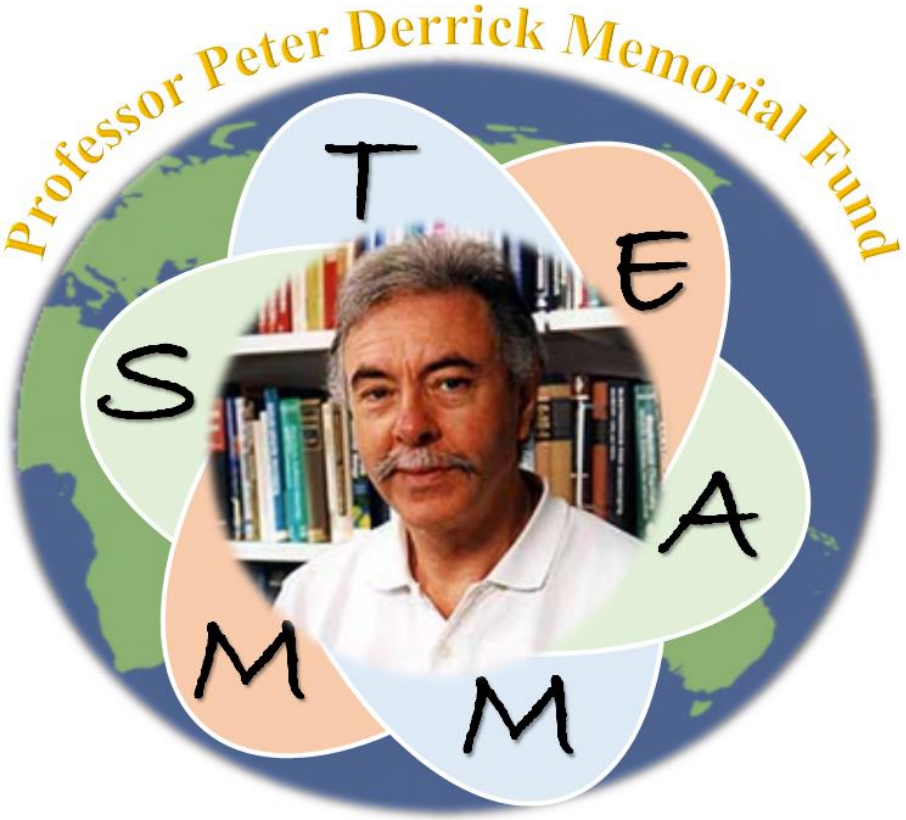


Dr. Peter Derrick: the First Scientists to Develop Mass Spectrometry for the Characterization Of Proteins



Professor Derrick developed tandem **time-of-flight mass spectrometry** for macromolecules and pioneered applications of **Fourier transform ion cyclotron resonance** mass spectrometry to evaluate peptides and proteins.

Dr. Derrick's research interests include the development of mass spectrometers, the study of protein interactions and nanoscience. Equipment developed and used by his team while he was chairman of the **Department of Chemistry at the University of Warwick** are following Professor Derrick, with from Warwick due to start arriving in August to use the technology.

It was after leading major change in chemistry at **Warwick** that Professor Derrick was informed of the need for a new **Head of Institute at Massey University**.

Professor Derrick's research is focused on proteomics, defining the proteins within cells and how they change over time. The driver is molecular medicine. Nanoscience and specifically metal clusters is another focus.

"The drawing together of physics and chemistry, together with mathematics, in a very positive and conscious way caught my eye," Professor Derrick says, and the idea of working across two cities (Albany and Palmerston North).

"It's a friendly Institute and I'm already positively encouraged by the enthusiasm right the way through.

There are young people here I'm meeting for the first time who want to do well and flourish by international standards and that's tremendous. And there's older people who are terribly accomplished and experienced and they are equally positive."