

### **Dr Mel Euerby** **Winner of the 2007 Chromatographic Society Jubilee Medal**



Dr Mel Euerby, B.Sc., Ph.D, C.Chem., FRSC., MRPharmS, is a Principal Scientist within the Pharmaceutical and Analytical Research and Development group of AstraZeneca at Charnwood, Loughborough in the UK.

He obtained his B.Sc. in Pharmacy 1<sup>st</sup> Class with Honours (specialising in Pharmaceutical Chemistry) in 1979 from the Victoria University of Manchester and his Ph. D. in Medicinal Chemistry in 1983 from the same institute in the research area of - *Alkylthio & arylthio removable activating groups in the synthesis of nitrogen heterocycles.*

He then spent four and half years (1984 -1988) at the School of Pharmacy, University of London, firstly as a post doctoral research fellow in the area of *in vitro / in vivo multinuclear NMR spectroscopy of parasitic nematodes.* In 1987 he was appointed to a full time lectureship in the Department of Pharmaceutical Chemistry, during this time his research interests included:

The elucidation of metabolic/biochemical differences between parasitic helminths and their hosts with a view to rational drug design.

The differentiation of optical isomers by HPLC using novel pre-column derivatisation techniques

- Structural elucidation of novel diterpenes
- Synthesis of novel isoquinolines of pharmaceutical activity

Mel took up his position in Loughborough in 1988 and is now a Principal Scientist within the Pharmaceutical and Analytical R & D function at AstraZeneca Charnwood. He has special responsibility for evaluating and implementing new chromatographic techniques for use within the Analytical Development departments.

## Jubilee Medal

He was granted a Membership of the Royal Pharmaceutical Society of GB in 1980, Membership of the Royal Society of Chemistry in 1983 and Fellowship of the Royal Society of Chemistry in 1995.

He has 93 publications (research papers, reviews and book chapters) in peer-reviewed journals and 82 conference presentations in the area of separation science and organic chemistry. He is internationally renowned in the field of separation science and, as a consequence, has been invited to deliver plenary lectures and workshops at many International Symposia.

He has strong links with many instrument and software manufacturers and stationary phase companies within Europe and the USA. He is frequently requested to act as a consultant / expert by these companies in relation to product design specifications and is used as a test site prior to product release.

Mel has been able to maintain excellent links with many academic centres of excellence (Leeds, Nottingham, West of England, Strathclyde) – he has been responsible for the supervision of sixteen PhD students, one post-doctoral fellow and twenty-seven MSc students. As a consequence of his academic activities, he is a Visiting Professor at Strathclyde University and is a member of the Steering Committee for the Pharmaceutical Analysis course. Each year he is a regular lecturer at the European Continuing Education College course in London.

He is a referee for numerous scientific journals in the UK, Europe and the USA and was previously on the editorial board of the journal – *Journal of Separation Science*.

He has organised a number of well-attended workshops in the area of electrodriven separations and is recognised throughout the area of separation science for his pioneering work on the classification of reverse phase LC columns.

His current main specialist areas of expertise include electrodriven separations, stationary phase characterisations, computerised method development and fundamental research into retention mechanisms of analytes in all aspects of chromatography.