

Synthesis & Applications of Labelled Compounds 2004: Abstracts of the 14th International Isotope Society (UK group) Symposium.

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Meeting Summary

The 14th annual symposium of the International Isotope Society's United Kingdom Group took place at the Wellcome Genome Campus, Hinxton, Cambridge, UK on Thursday 4th November 2004. The meeting was attended by around 100 delegates from academia, life sciences and fine chemical companies.

Delegates were welcomed by Professor John Jones (University of Surrey, UK). The subsequent scientific programme consisted of oral and poster presentations on isotopic chemistry and applications of labelled compounds, or of chemistry with potential implications for isotopic synthesis. Both short-lived and long-lived isotopes were represented, as were stable isotopes. The symposium programme was divided into a morning and afternoon session chaired by Professor Christine Willis (University of Bristol UK) and Dr Franklin Aigbirhio (Wolfson Brain Imaging Centre, University of Cambridge, UK) respectively. The meeting was concluded with remarks from Dr Karl Cable [GlaxoSmithKline, Stevenage, UK]

This year's symposium had a large attendance from students. Moreover, an excellent level of sponsorship was achieved, and the symposium proved self-financing. The meeting venue again proved very popular and will remain unchanged for the next IIS UK group symposium which is planned for November 2005.

Meeting Programme

Prof. David O'Hagan [University of St Andrews, UK] - Enzymatic C-¹⁸F Bond Synthesis: A New Strategy for PET Synthesis.

Dr. Michael Carroll [University of Newcastle, UK] - Studies Towards 6-[¹⁸F]Fluoro-*m*-tyramine using Iodonium Salts.

Dr John Gardiner [University of Manchester, UK] - Methods Towards Isotopomer-Versatile Synthesis of ¹³C-Labelled Carbohydrates.

Prof. William Lockley [University of Surrey, UK] - Some New Catalytic Systems for Isotope-Exchange Labelling.

Dr David Rustidge [Scynexis Europe, UK] - ¹⁴C-Synthesis – Not Always as Easy as it Looks.

Dr Richard Hartley [University of Glasgow, UK] - The Potential for using Titanium Alkylidene Chemistry in Solid Phase Radiochemical Synthesis.

Dr Ian Wilson [Turku Imanet, Finland] - Transition of PET Tracers from Clinical Research Tools to Commercial Diagnostics.

Dr Simon Harwood [GlaxoSmithKline,UK] - The Synthesis of Stable Labelled Ketamine.

Dr John Herbert [Sanofi-Aventis,UK] - Towards Robust Conditions for Iridium-mediated Exchange.

Dr Conor Barry [University of Bristol, UK] - Total Synthesis of Clavosolide A.