

Synthesis & Applications of Labelled Compounds 2017

26th International Isotope Society (UK Group) Symposium.

Friday 17th November, 2017, The Møller Centre, Churchill College, Cambridge, UK.

8:30 am **Registration / Morning Coffee / Manufacturers Exhibition**

9:10 am **Welcome :** Chris Winfield [Selcia, UK, Chair of the IIS (UK) group]

Morning Session: Chair: Andrew Kohler [Arcinova, UK]

9:15 am **Albert Windhorst [VU University Amsterdam, The Netherlands]**
"Carbon-11 chemistry and why fighting a 20 minute half-life really makes sense"

9:45 am **Chris Willis and Luoyi Wang [University of Bristol]**
"Taking Inspiration from nature for the generation of novel antibiotics"

10:15 am **David Read, [University of Surrey/NPL, UK]**
"The purification of lanthanide isotopes and their binding to novel materials for pharmaceutical applications"

10:35 am **Davide Audisio [C.E.A, France]**
"Fluorosydnone, new click tools for ¹⁸F labelling as proof of concept"

10:55 am **Manufacturers Exhibition /Posters/ Coffee & Tea.**

11:25 am **Tom Gregson [Pharmaron, UK]**
"Synthesis of Three [¹⁴C] Isotopologues of Azoxystrobin"

11:55 am **Short presentations in association with posters or techniques**

James Davies [Selcia, UK]
"Isotopic labelling of GM1"

Markus Artelsmair [AstraZeneca, UK]
"¹⁴C-Labeled metabolites of a GABA_A Receptor"

Fernando Cortezon Tamarit [Bath, UK]
"Synthesis of aromatic thiosemicarbazone ligands and metal complexes as potential targeted imaging agents"

Mary Kagoro, [York, UK]
"Design and synthesis of activity-based ¹³C hyperpolarized magnetic resonance spectroscopic imaging contrast agents"

Gary Knox, [Strathclyde, UK]
"Enhanced iridium complexes for elevated substrate applicability in hydrogen isotope exchange processes"

12:20 pm **Manufacturers Exhibition / Posters / Buffet Lunch**

Afternoon Session I: Franklin Aigbirhio [WBIC, Cambridge, UK]

1:20 pm **Craig Morrissey [Aurora, UK]**
"Radiation protection legislation: What's new with the ionising radiations regulations 2017?"

1:50 pm **Ken Lawrie [J. Label. Compd Radiopharm, UK]**
"A selection of the best of JLCR isotopic chemistry 2016-17"

2:20 pm **Graham Smith [Institute of Cancer Research, UK]**
"New applications for fluorine-18 and zirconium-89 PET"

2:50 pm **Manufacturers Exhibition / Posters / Coffee & Tea**

Afternoon Session 2: Chair: [Mike Chappelle, Pharmaron, UK]

3:20 pm **Ed Anderson [University of Oxford]**
"Isotope effects in mechanistic studies of transition metal-catalyzed cycloisomerization"

3:50 pm **Marc Reid, [University of Strathclyde, UK]**
"The power of isotopes in mechanistic chemistry"

4:20 pm **Concluding Remarks.** Chris Winfield [Selcia, UK]