



International Isotope Society UK Group

29<sup>th</sup> Annual Symposium

The Synthesis and Applications of  
Isotopically Labelled Compounds

Friday, 17<sup>th</sup> November 2023  
The Møller Institute, Cambridge

<http://www.iis-uk.org>

# Sponsors

The organising committee would like to thank the following companies for their generous sponsorship:

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# Scientific Programme

- 8:30 am Registration, morning coffee & manufacturers exhibition
- 9:00 am Welcome: Dr Chris Winfield [Eurofins Selcia, Chair of the IIS UK group]

## Morning Session 1

Chair: Professor Chris Willis [University of Bristol, UK]

- 9:05 am **Professor Matthew Fuchter** [University College London, UK]  
*From heteroaromatic photoswitches to photopharmacology.*
- 9:50 am **Dr Alex Cresswell** [University of Bath, UK]  
*Lighting the way to new disconnections for amines and azacycles.*
- 10:15 am **Ms Kim Saskia Mühlfenzl** [AstraZeneca, UK]  
*Radiolabeling of aryl alkyl ketones via a nickel-catalysed carbonylative cross-coupling.*
- 10:35 am Manufacturers' exhibition, posters, tea & coffee.

## Morning Session 2

Chair: Dr Andrew Watson [Pharmaron, UK]

- 11:05 am **Mr Nick Summerhill** [Pharmaron, UK]  
*A robust synthesis of  $^{14}\text{C}$ -labelled 2-chlorophenylcyclopentylketone en route to ketamine.*
- 11:25 pm **Dr Kerstin Sander** [University College London, UK]  
*Sulfonium salt chemistry as platform to label biologically active compounds with fluorine-18.*
- 11:50 pm Buffet lunch, manufacturers' exhibition & poster session.

# Scientific Programme

## Afternoon Session 1

Chair: Professor Bill Lockley [University of Surrey, UK]

- 12:50 pm    **Professor Steve Archibald** [Kings College London, UK]  
*The journey from new technologies for radiolabelling to multi-isotope nuclear imaging.*
- 1:35 pm    **Dr Roly Armstrong** [Charles Newcastle University, UK]  
Twists and turns: new directions and stereoselective synthesis.
- 2:00 pm    **Dr Natalia Larionova** [GSK, UK]  
*Aromatic methylation as an efficient method for late-stage isotopic labelling.*
- 2:25 pm    Manufacturers' exhibition, poster session, tea & coffee.

## Afternoon Session 2

Chair: Dr Ryan Bragg [AstraZeneca, UK]

- 2:55 pm    **Dr David Audisio** [CEA, France]  
*Recent developments in carbon isotope labeling.*
- 3:20 pm    **Dr Rafael Bou Moreno** [Eurofins Selcia, UK]  
*Radiosynthesis of [thiazolecarbonyl-<sup>14</sup>C]DAY101.*
- 3:40 pm    **Dr Louise Natrajan** [University of Manchester, UK]  
*Optical detection of uranium in model environmental conditions.*
- 4:05 pm    Concluding Remarks: Chris Winfield [Eurofins Selcia, Chair of the IIS UK group]