

UK PET CHEMISTRY MEETING

Tuesday 9 th Sep 2025		
09:00 am to 9:40 am	Registration & Poster Set-Up, Tea / Coffee	
9:40am-9:50am	Welcome/ Peter Horlock <i>Sally Pimlott</i>	
9:50am-10:00am	Positron Pulse Update/Feedback Session <i>Selena Milicevic Sephton</i>	
10:10am to 10:55am	Scientific Session 1 – Main Lecture Theatre 18F Radiochemistry Chairs: Helen Betts & Sergio Dall’Angelo 3 x 12min talks (3 min qs)	Clinical Manufacture Session A – Rm101B Workshop style session (45min)
10:10am-10:25am	O01 Design and Development of PET radiotracers for Imaging Oligodendrocyte Progenitor Cells <i>Helgi Danielsson, University of Cambridge</i>	Introduction to Annex 1 <i>Chair: Sylvain Eschenlauer</i>
10:25am-10:40am	O02 Ethyl Pinacol Boronates as Advantageous Precursors for Copper-Mediated Radiofluorination <i>Joseph Ford, University of Oxford</i>	
10:40am-10:55am	O03 Development of a halofluorocarbon, chromatography-free radiosynthesis of fluorine-18 difluorocarbene on the GE TracerLab FXFN module <i>Catherine Fitzgerald Dickmann, University of Cambridge</i>	
10:55am to 11:15am	Tea/Coffee	
11:15am to 12:00pm	Scientific Session 2 – Main Lecture Theatre 18F and 11C radiochemistry Chairs: Andrew Sutherland & Selena Milicevic Sephton 3 x 12min talks (3 min qs)	Clinical Manufacture Session B – Rm101B Workshop style session (45min)
11:15am-11:30am	O04 The Last Mile in the Qualification Marathon: Analytical Method and Process Validations for [18F]SynVesT-1 <i>Federico Luzi, King’s College, London</i>	Integration, Integration, Integration <i>Chair: Ken Wilson and Sue Champion</i>
11:30am-11:45am	O05 Silver (I) Oxide Mediated Radiochemical Synthesis of 1,1-[18F] difluoroalkane Derivatives <i>Pawan Mishra, Cardiff University</i>	
11:45am-12:00pm	O06 Docking analysis and preliminary in vitro evaluation of various analogues for PET imaging of AMPAR <i>Shinong Zeng, University of Cambridge</i>	

12:00pm to 12:30pm	Lightning Pitches – Main Lecture Theatre
12:00pm-12:30pm	POSTER PRESENTATIONS – 1 min lightning pitches <i>Chairs: Louis Allott & Tim Morgan</i>
12:30pm to 2:00pm	Lunch & Exhibitors & Scientific and Technical Poster Session (Rm101A) Poster presenters please stand by your posters between 1-2pm
2:00pm to 3:40pm	Key note and Speak to the Experts Workshop – Main Lecture Theatre
2:00pm-2:40pm	Key Note Speaker: ⁸⁹Zr Radiopharmaceutical Chemistry - Precision Medicine in Cancer Treatment <i>Prof Jason Lewis, MSKCC</i> <i>Chair: Sally Pimlott</i>
2:40pm-3:40pm	Speak to the Experts Workshop: The challenges of producing radiopharmaceuticals for research trials <i>Maggie Cooper (20min talk)</i> Followed by Panel Discussion (40min) <i>Panel: Maggie Cooper (KCL), Jason Lewis (MSKCC), Christophe Lucatelli (University of Edinburgh), , Shaun Creasey (Alliance Medical)</i>
3:40pm to 4:00pm	Tea/Coffee
4:00pm to 4:45pm	Scientific Session 3 – Main Lecture Theatre Other Radionuclides Stephen Archibald & Dmitry Solovvey 3 x 12min talks (3 min qs)
4:00pm-4:15pm	O07 Sustainable chemistry approaches to future responsive metallo-theranostics <i>Sofia Pascu, University of Bath</i>
4:15pm-4:30pm	O08 Novel dual CXCR4 and ACKR3 theranostic agents for PET/SPECT imaging and targeted molecular radiotherapy for cancer <i>James Wood, King's College London</i>
4:30pm-4:45pm	O09 Development of Astatine-211 Production Capability in the UK <i>Jennifer Young, Queen Mary University of London</i>
4:45pm to 4:50 pm	UK PET Chemistry meeting 2026 Announcement
4:50pm to 5:00 pm	Prize Awards and Goodbye <i>Sally Pimlott</i>
5:00pm to 6:00pm	Post-Meeting Drinks Reception

Posters

Fluorine-18 Radiochemistry

- P01 Radiosynthesis of 14-(R,S)-[18F]fluoro-6-thia-heptadecanoic acid *Gavin Brown, Cancer Research UK Scotland Institute*
- P02 Fluorine-18 Labelled D-Amino Acids for PET Imaging of Bacterial Infections, *Ishbel Cooke, University of Nottingham*
- P03 Multi-patient dose synthesis of [18F]Flumazenil via a copper-mediated 18F-fluorination, *Gianluca Destro, University of Oxford*
- P04 Organocatalytic Asymmetric Synthesis of SynVesT-1, a PET Imaging Agent of the SV2A Receptor, *Holly McErlain, University of Glasgow*
- P05 18F-Difluoromethyl(ene) Motifs via Oxidative Fluorodecarboxylation with [18F]Fluoride, *Sebastiano Ortalli, University of Oxford*

Other Radionuclides

- P06 Ultrasmall Gold Nanoparticles for the targeted PET Imaging of Prostate Cancer, *Rabeeha Al-Zuhairi, University of Hull*
- P07 Automating Zirconium-89 Radiopharmaceutical production using commercially available cassette-based platforms, *Nicole Marshall, King's College London*
- P08 Bicycle Radionuclide Conjugates for radioisotope delivery to solid tumors, *Gemma Mudd, Bicycle Therapeutics*
- P09 *Abstract Withdrawn*
- P10 Gallium-68 Encapsulated Inorganic Nanoparticles for PET and Fluorescence Imaging, *Aisleen S. Whelan, King's College London*

Clinical Management

- P11 Production of [11C]PK11195 on Synthra Mel plus in a GMP environment, *Matthew Hird, University of Cambridge*
- P12 Synthesis of [11C]HCN for clinical production of L-[11C]Leucine, *João Louçano, University of Cambridge*