



Molecular Imaging

Radiochemistry and Tracer Development

Monday 5th February 2018

10:30-15:30

**Carnegie Lecture Theatre (C3-05)
Joseph Black Building
School of Chemistry
University of Glasgow**

Researchers in Scotland will present their work on radiochemistry and tracer development with a particular focus on the synthesis and application of new radiotracers. The meeting will provide an opportunity for early career scientists and students in the field to present their work. Research will be discussed in an open environment with the aim of stimulating further collaborations between SINAPSE groups.

The following Universities are charitable bodies, registered in Scotland, with registration numbers as below.

Final Program

Monday 5 th February 2018	
10:30 am to 11:10 am	Registration Open, Tea / Coffee
11:10 am to 11:15 am	Welcome: Andrew Sutherland
11:15 am to 11:30 am	Developing New Clinically Relevant Positron Emission Tomography Probes in Glasgow <i>Dmitry Solovyev, Beatson Institute for Cancer Research</i>
11:30 am to 11:45 am	New fenretinide derivatives as drug candidates for treating the Metabolic Syndrome <i>Ilaria Patruno, University of Aberdeen</i>
11:45 pm to 12:00 pm	New Selective PET Imaging Agents for the Sphingosine-1-Phosphate Receptors: Novel Biomarkers for Multiple Sclerosis Drug Discovery <i>Tim Morgan , University of Glasgow</i>
12:00 pm to 12:15 pm	¹⁸ F-LW223, a novel TSPO-targeted radiotracer for PET imaging of inflammation <i>Mark Macaskill , University of Edinburgh</i>
12:15 pm to 12:30 pm	Click pre-targeted PET imaging of antibodies using novel trans-Cyclooctene derivatives <i>Beatrice Longo, University of Aberdeen</i>
12:30 pm to 1:30 pm	Lunch and Posters
1:30 pm to 1:45 pm	Novel PET Radiotracer for Imaging Thrombus in vivo <i>Tashfeen Walton , University of Edinburgh</i>
1:45 pm to 2:00 pm	The Synthesis of Novel Imaging Agents Based on PARP-1 Inhibitors and Radioactive Aryl Iodide Synthesis via Gold Catalysed Iododeboronation <i>Kerry O'Rourke , University of Glasgow</i>
2:00pm to 2:15 pm	Fatty Acid Analogues as PET Tracers for Imaging Cardiac Dysfunctions <i>Alessandro Colombano, University of Aberdeen</i>
2:15 pm to 2:45pm	Tea / Coffee and Posters
2:45 pm to 3:00 pm	Elevating the standards of preclinical PET/CT imaging: a necessary step towards achieving translational imaging data sets <i>Wendy Mcdougald, University of Edinburgh</i>
3:00 pm to 3:15 pm	Development of an 18F- labelled PET tracer for nuclear imaging of PARP-1 in Glioblastoma <i>Maria Liuzzi , University of Glasgow</i>
3:15 pm to 3:30 pm	Concluding Remarks: Sally Pimlott

Posters

Effect of the radiotracer administration route on ^{18}F -NaF PET kinetic modelling constants and outcome measures in naive mice

Carlos Alcaide, University of Edinburgh

^{18}F -FACBC PET/MR Imaging as a Tool to Monitor Tumour Response to Androgen Deprivation Therapy in Prostate Cancer

Gaurav Malviya, Beatson Institute for Cancer Research

Developing HPLC method for PK/PD measurements in rodent blood and tissue for quantification of PET data

Agne Stadulyte, University of Edinburgh

A New Solid Phase Method for Generating SPECT Imaging Agents.

Andrew Sutherland, University of Glasgow