

The University of Manchester
Wolfson Molecular
Imaging Centre

MANCHESTER
1824

Radiochemistry Symposium at WMIC

Wednesday, 21 July 2010.
Wolfson Molecular Imaging Centre,
Manchester, UK.



Welcome

An introduction to the Wolfson Molecular Imaging Centre (WMIC)

The Wolfson Molecular Imaging Centre (WMIC), Directed by Professor Karl Herholz, and the recently formed MRC Collaborative Training Programme for NeuroPET, led by Paul Matthews (Head of the GSK Clinical Imaging Centre), are planning a symposium to bring together leaders in radiochemistry from several leading research centres. The meeting will focus on inflammation tracers and new targets for molecular imaging in humans. It will also provide an opportunity to discuss recent trends in radiotracer development on the background of increasing industrial involvement and regulatory demands.

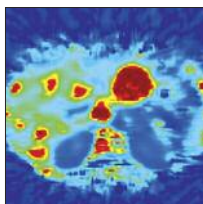
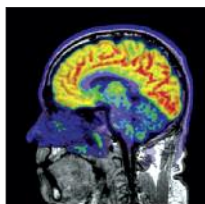
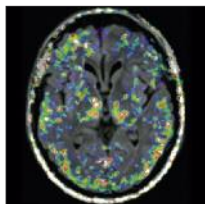
Poster presentation

There will be a lunchtime poster session. All application details must be confirmed by Monday 21 June.

Please contact Sarah Wood by email to discuss this further and for any other information about the symposium.

email sarah.wood@manchester.ac.uk

tel +44 (0)161 275 0012



To register for the event click below

<http://www.mhs.manchester.ac.uk/surveys/TakeSurvey.aspx?SurveyID=92513m7>

Session 1

Inflammation and Neuroreceptors

10am - 2pm

Welcome & introduction - Karl Herholz, Director WMIC

Victor Pike, National Institute of Mental Health, USA

Overview / Experience with TSPO Radioligands at the NIMH Molecular Imaging Branch

Frederic Dolle, CEA - The Atomic Energy Commission, France

[¹¹C] PK11195: The Quest For Peripheral Benzodiazepine Receptor Radioligand Structures for Imaging Neuroinflammation with PET.

Henry Huang, Yale University, USA

Imaging Kappa Opioid Receptor in Humans with Agonist and Antagonist PET Tracers

Alan Wilson, University of Toronto, Canada

[¹¹C] Carbon Dioxide as a Substitute for [¹¹C] Phosgene: Application in Imaging the Cannabinoid System

Yu-Shin Din, Yale University, USA

Translational Research on Norepinephrine Transporter Imaging

Lunch, Posters and Tours

Selected tours of WMIC Radiochemistry Labs led by Dr Gavin Brown Senior Lecturer in Radiochemistry, WMIC and Dr Adam McMahon, Senior Lecturer in Analytical Chemistry, WMIC

Session 2

New Targets and Techniques

2pm - 4pm

Christer Halldin, Karolinska Institute, Sweden

Overview / PET Radioligands for Measuring Neurotransmitter Release

Christophe Plisson, GSK Clinical Imaging Ctr, Imperial College, UK

[¹¹C] Carbonylation Reactions Using Copper(I) Scorpionate Complexes

Gunnar Antoni, GE-Healthcare/ Uppsala Imanet AB, Sweden

Visualization of Apoptosis in Humans with [¹⁸F] ML10

Franklin Aigbirhio, Cambridge University, UK

Applications of Microfluidics in PET Chemistry

Tony Gee, GSK Clinical Imaging Centre, Imperial College, and Kings College, London

Towards a Deeper Understanding of Non-Specific Binding - To Lipophilicity and Beyond

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