THURSDAY

In Vivo Imaging of Microglia Cells Activated by LPS-Induced Systemic Inflammation in Mouse
Domokos Mathe1, Ildiko Futo2, Daniel Veres2, Ildiko Horvath3, Mariann Senjer1, Noemi Kovacs1, Miklós Tóth3, Ralf K. Bergmann4, Krisztian Szigeti2

P218 Thursday, Sept 19, 15:15-16:45 Poster Session 2 (Exhibit Hall B) nanoScan PET/MRI; Silver Upgrade of NanoSPECT/CT

89Zr-Oxine Complex: a Long-Lived Radiolabel for Cell Tracking Using PET
Levente K Meszaros1, Putthiporn Charoenphun1, Krisanat Chuamaasamkkee2, James R. Ballinger1,2, Greg Mullen1, Trevor J. Ferris3, Michael J. Went4, Phil Blower1
1. Department of Imaging Chemistry and Biology, King’s College London, London, United Kingdom. 2. Department of Nuclear Medicine, Guy’s and St Thomas NHS Foundation Trust, London, United Kingdom. 3. School of Physical Sciences, University of Kent, Canterbury, Canterbury, United Kingdom.

LB024 Thursday, Sept 19, 15:15-16:45 Late Br.Abstr. Poster S (Exhibit Hall B) nanoScan PET/CT

PSMA Specific Diabody For SPECT Imaging of Prostate Cancer
Florian Kampmeier1, Jennifer D. Williams1, John Maher2,3,4, Greg Mullen1, Phil Blower4
1. School of Medicine, Division of Imaging Sciences & Biomedical Engineering, King’s College London, London, United Kingdom. 2. King’s Health Partners Integrated Cancer Center, Department of Research Oncology, King’s College London, London, United Kingdom. 3. Department of Immunology, Barnet and Chase Farm NHS Trust, London, London, United Kingdom. 4. Department of Clinical Immunology and Allergy, King’s College Hospital NHS Foundation Trust, London, London, United Kingdom.

LBAP105 Thursday, Sept 19, 15:15-16:45 Late Br.Abstr. Poster S (Exhibit Hall B) nanoScan PET/CT; Silver Upgrade of NanoSPECT/CT

FRIDAY

Study of Acetyl-L-Carnitine Effects on Glucose Metabolism in Mouse Brain Using PET/MRI Imaging
Lidia S. Cunha1,4, Domokos Mathe1, Ildiko Horvath1, Daniel Veres2, Krisztian Szigeti2, Luis F. Metello4, Teresa Summavieille4

P341 Friday, Sept 20, 15:15-16:45 Poster Session 3 (Exhibit Hall B) nanoScan PET/MRI
In vivo basic tracer pharmacokinetic analysis for transgenic mouse models of Alzheimer’s disease

Krisztián Szigeti1, Gellért Szabolcs Kovács1, István Varsányi1, Ferenc Budár2, Illdiko Horváth1, Albert D. Windhorst3, Domokos Mathe2


P349. Friday, Sept 20, 15:15-16:45 Poster Session 3 (Exhibit Hall B) nanoScan PET/MRI, Silver Upgrade of NanoSPECT/CT

SATURDAY

Dual modality optical and radionuclide reporter gene imaging of heterogeneous chemotherapy response in different microenvironments

Gilbert O. Frathwirth1, 2, Seckou Dioucou1, Phil Blower1, 3, Tony Ng2, 4, Greg Muller1

1. Department for Imaging Chemistry and Biology, King’s College London, London, United Kingdom; 2. Dimbleby Department of Cancer Research, King’s College London, London, United Kingdom; 3. Comprehensive Cancer Imaging Centre KCL & UCL, King’s College London, London, United Kingdom.

SS119. Saturday, Sept 21, 11:30-11:45 Scientific 20 (I05) Silver Upgrade of NanoSPECT/CT

PEGylated Core/shell Doped Fe3O4@NaYF4 Nanoparticles: Multimodality Molecular Imaging Contrast for MRI, PET/SPECT and Optical Imaging

Xianjin Cui1, 2, Phil Blower1, 2, Mark Greer2, 3


P450. Saturday, Sept 21, 14:45-16:15 Poster Session 4 (Exhibit Hall B) nanoScan PET/CT

Lessons learnt from reporter gene imaging of regulatory T cell therapy in transplantation: a non-invasive whole body nuclear imaging study.

Ehsan Sharif-Paghaleh1, 2, John Leech1, Robert Lechler1, Lesley A. Smyth1, Giovanna Lombardi1, Greg Muller1, 2

1. MRC Centre for Transplantation, KCL, London, United Kingdom. 2. Imaging Sciences, KCL, London, United Kingdom.

P525. Saturday, Sept 21, 14:45-16:15 Poster Session 4 (Exhibit Hall B) Silver Upgrade of NanoSPECT/CT

PET/MRI/SPECT/CT in vivo longitudinal imaging of Earthworm (Lumbricus terrestris L.), as a novel means of environmental monitoring

Ferenc Budár1, Noemi Kovács1, Illdiko Horváth1, Daniel Veres1, Péter Engelmann1, Peter Nemeth1, Krisztián Szigeti1, Domokos Mathe1

1. Biophysics and Radiation Biology, Semmelweis University, Budapest, Hungary. 2. Department of Immunology and Biotechnology, University of Pécs, Pécs, Hungary.

P535. Saturday, Sept 21, 14:45-16:15 Poster Session 4 (Exhibit Hall B) nanoScan PET/MRI, Silver Upgrade of NanoSPECT/CT

Minimum Detectable Activity of a Preclinical PET/MR System

Kalman L. Nagy1, 2, Judit Lantos1, Péter Major1, Gergely Patay1, Christel Halldiri1, Balázs Gulyás1, 2


P603. Saturday, Sept 21, 14:45-16:15 Poster Session 4 (Exhibit Hall B) nanoScan PET/MRI

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