PET IS WONDERFUL MEETING – 17TH OCTOBER 2024
FINAL PROGRAMME

9:30-10:45	**Registration opens & Welcome teas/coffees**
10:45-11:00	**PET is Wonderful 2024 welcome talk** Adriana Tavares, University of Edinburgh, UK
11:00 – 12:00	**Proffered talks, Part 1** *Total-body PET innovation* ¦ Chair: Alexander Hammers, KCL, UK
15 min.	**Performance measurements of Total Body PET scanner simulations using the Geant4 toolkit** Aparna Jayaraj, University of Edinburgh, UK
15 min.	**Using total-body PET to investigate relationships between excretory organs time activity curves and the metabolite fraction for [^{18}F]SynVesT-1** Bernadette Andrews, University of Edinburgh, UK
15 min.	**Comparing total-body metabolic PET imaging signatures of lung cancer cachexia to other wasting conditions** Emma Brown, CRUK Scotland Institute, UK
12:00 – 12:30	**Industry sponsored session** ¦ **Chair:** Liam Carr and Hanna Borecka-Bielska, University of Edinburgh, UK
12:30 – 13:30	**Lunch break & Poster session**
13:30 – 14:30	**Keynote speaker talk 1** Chair: Adriana Tavares, University of Edinburgh
45 min.	**Innovation in PET chemistry** Danielle Vugts, Amsterdam UMC, Netherlands
14:30 – 15:30	**Proffered talks, Part 2** *PET tracers and models* ¦ Chair: Joyita Dutta, University of Massachusetts Amherst, USA
15 min.	**Imaging Mutant Huntingtin Aggregates using [^{18}F]CHDI-650 PET in a preclinical model of Huntington's disease** Paul Sharp, Medicines Discovery Catapult, UK
15 min.	**Assessing overall oxidative metabolism of high-metabolic-rate abdominal organs in diet-induced obesity using compartmental modeling of [^{11}C]acetate-PET** Usevalad Ustsinau, Medical University of Vienna, Austria
15 min.	**Validation of network-based correlation analysis with [^{11}C]glyburide whole-body PET** Abby Hellman, University of Edinburgh, UK
15:30 – 16:00	**Coffee break and networking**
16:00 – 17:00	**Invited talks** *PET, the environment and sustainability* ¦ Chair: Danielle Vugts, Amsterdam UMC, Netherlands
Online 15 min	**The PETAL project** Nicola D'Ascenzo, Huazhong University of Science and Technology, China
Online 15 min	**The MERMAID project** Magdalena Rafecas, University of Lübeck, Germany
Online 15 min	**The environmental impact of PET/CT** Laura Artz, Amsterdam UMC, Netherlands
From 18:00	**yESMI UK social event @ Hannover Tap, Hannover Street, Edinburgh**

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9:00	**Registration opens & Welcome teas/coffees**
9:30 – 10:30	**Keynote speaker talk 2** Chair: Paul Clegg, University of Edinburgh, UK
45 min.	**Signal processing & deep learning in PET** Joyita Dutta, University of Massachusetts Amherst, USA
10:30 – 11:30	**Proffered talks, Part 3** *Preclinical and clinical image analysis* ¦ Chair: Peter Julyan, The Christie NHS Foundation Trust, UK
15 min.	**Automated segmentation pipeline for segmentation and characterising metabolic dysregulation in cancer cachexia** Lisa Duff, CRUK Scotland Institute, UK
15 min.	**Quantification of extra-cardiac damage following acute myocardial infarction using *cis*- and *trans*-4-[^{18}F]fluoro-L-proline PET imaging** Angus Jacobs, University of Edinburgh, UK
15 min.	**Chemoradiotherapy treatment increases cardiac and aortic [^{18}F]FDG uptake ratios in lung cancer patients** Phyo Khaing, University of Edinburgh, UK
11:30 – 12:00	**Meeting Prizes** Best proffered talk prize, best poster prize, best delegate engagement prize
12:00 – 13:00	**Lunch break and farewell** **End of PET is Wonderful 2024 meeting**