Clinical Measurement Challenges in Nuclear Medicine

Date: 18 – 19 May 2026

Times: 9:00 – 17:00

Location: National Physical Laboratory, Hampton Road, Teddington, TW11 0LW

Preliminary Agenda (subject to change)

Monday 18 May 2026	
09:00 – 09:30	**Registration**
09:30 – 13:00	**Session 1: Radioactivity Measurements**
Calibrations and confusion, maintaining traceability for the UK Natasha Ramirez, NPL	
Running a calibration service in the North West Dave Ashworth, The Christie NHS Foundation Trust	
Are you sure? Uncertainties and errors, where are we going wrong? Andrew Fenwick, NPL	
Practical uncertainty budgets for calibrators, and non-radioactive components! Alex Smout, Royal Surrey NHS Foundation Trust	
Submitted abstracts and discussion	
13:00	**Lunch**
14:00 – 17:00	**Session 2: Quantitative Imaging**
Measurement challenges in total body PET Peter Julyan, The Christie NHS Foundation Trust	

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Challenges of quantifying cardiac I-123 mIBG uptake in Lewy body disease Gemma Greenfinch, Royal Devon and Exeter	
Reach for the Star(Guide): expanding the range of clinical measurements performed on a 360° SPECT/CT gamma camera. Chris Pickles, University Hospital Coventry and Warwickshire NHS Trust	
Metrology and traceability for quantitative imaging Andrew Robinson, NPL	
Submitted abstracts and discussion	
17:00 – 19:00	**Networking reception (drinks and dinner)**
Tuesday 19 May 2026	
09:30 – 10.30	**Session 2: Quantitative Imaging (continued)**
Submitted abstracts and discussion	
10:30 – 13:00	**Session 3: Dosimetry**
Challenges in clinical nuclear medicine dosimetry Matt Aldridge, Kings College Hospital NHS Foundation Trust	
Bone marrow as the target organ: internal dosimetry and uncertainty assessment Sofia Michopoulou, University Hospital Southampton NHS Foundation Trust	
Validation of dosimetry software Daniela Panciera, Royal Surrey NHS Foundation Trust	
Submitted abstracts and discussion	
13:00	**Lunch**
14:00 – 15:30	**Session 4: Regulation and Accreditation**
15:30 – 15:45	**Workshop close**