

Preliminary Agenda

2nd International Workshop on Standards and Measurements for Alpha-Emitting Radionuclides in Therapeutic Nuclear Medicine

Tuesday, 5 May, 2026

	Welcome, overview of Workshop	Dr. Vincent Gressier, Director BIPM Ionizing Radiation Dept.; Dr. Brian Zimmerman, Chair CCRI Radionuclide Therapy and Quantitative Imaging Working Group; Dr. Jan Rušňák, Coordinator, EURAMET AlphaMet Project
9:15 – 9:30	Summary of 1 st International Workshop on Standards and Measurements for Alpha-Emitting Radionuclides in Therapeutic Nuclear Medicine	Dr. Brian Zimmerman, Chair CCRI Radionuclide Therapy and Quantitative Imaging Working Group
9:30-10:15	Update on clinical applications, trials.	Dr. Mathias Zacher (Ludwig-Maximilians-Universität München)
	Discussion	
10:15-10:45	Measurement challenges in detecting alpha emitters in-vivo	Dr. Remco Bastiaannet (Washington Univ. St. Louis)
Coffee break		
11:30-12:00	Development of calibrated phantoms for 2D and 3D preclinical alpha emitter imaging	Dr. Adam Pearce (NIST)
12:00-12:30	Discussion of challenges and needs for improved preclinical and clinical imaging of alpha emitters	all
Lunch		
13:45 – 15:15	Activities from professional societies and other initiatives to improve TAT	AAPM – Dr. Robert Hobbs (Johns Hopkins Univ., AAPM) EANM – Dr. Michel Kool (KU Leuven) Accelerate EU project- Dr. Ferid Haddad (Arronax)
Coffee break		
16:00-17:30	Discussion with regulators (Talk titles to be confirmed)	Dr. Donika Plyku (US FDA) Dr. Bastian Breustedt (BfS) Dr. Anna Sundlöv (Läkemedelsverket -Swedish Medical Product Agency)
17:30-17:45	Wrap-up, adjourn	

Wednesday, 6 May, 2026

	Welcome, Summary of Day 1	Dr. Jan Rušňák, Coordinator, EURAMET AlphaMet Project
9:05-9:30	What is (and what is not) traceability, how to achieve it, and how to maintain it.	Dr. Brian Zimmerman, Chair, CCRI Radionuclide Therapy and Quantitative Imaging Working Group
9:30-12:30 (A 45-minute coffee break will be taken ≈10:30)	Roundtable discussion with Industrial partners: short (< 10 minutes) presentations followed by Roundtable with all speakers	Moderator: Dr. Ana Denis-Bacelar (NPL) and Dr. Stig Palm (Univ. Gothenburg) Perspective Therapeutics (Dr. Michael Schultz) BIOEMTECH (Dr. George Loudos) Blue Earth Therapeutics (Dr. Ben Fongenie) RayzeBio (Dr. Eileen Sneed) Mirion Technologies (Dr. Henrik Persson)
Workshop photo, Lunch		
14:00-14:25	Standards and comparisons of primary standards carried out under the AlphaMet program	Dr. Christophe Bobin (LNHB)
14:25-14:50	Regional SIRTIs and comparisons of short-lived radionuclides	Dr. Raphael Galea (NRC-C)
14:50-15:15	AlphaMet inter-comparison of ²²⁵Ac activity measurement capabilities using radionuclide calibrators and gamma counters	Dr. Clarita Saldarriaga-Vargas (SCK CEN)
Coffee break		
16:00 – 17:00	Biodosimetry: Is Traceable Bio-based Dosimetry Achievable for RPT (and is it relevant?)	Dr. Ileana Pazos and Dr. Joseph Robertson (NIST) Other speaker(s) to be confirmed
	Discussion	
17:00	Wrap-up, adjourn	

Thursday, 7 May, 2026

	Welcome, summary of Day 2	Dr. Ana Denis-Bacelar (NPL/AlphaMet)
Secondary Standards Laboratories		
9:00 – 9:20	The IAEA SSDL network and needs for an international network of secondary standards laboratories in nuclear medicine	Dr. Zakithi Msimang (IAEA)
9:20 – 9:40	ETRAIN	Dr. Andrew Fenwick (NPL)
9:40 – 10:00	PDIB	Dr. Stephen Graves (Univ. of Iowa)
Coffee Break		
Updates from AlphaMet Project		
10:45 – 11:05	Multiple-centre comparison exercise of quantitative imaging: can alpha-SPECT be harmonised?	Dr. Michel Koole (KU Leuven)
11:05-11:25	Uncertainties in pharmacokinetic modeling for alpha therapies	Dr. Weibo Li (BfS)
11:25-11:45	The macro-to-micro dosimetry challenge	Dr. Astrid Delker (Ludwig-Maximilians-Universität München)
11:45-12:05	Improving bone marrow dosimetry with DECT and MR imaging	Dr. Johannes Tran-Gia (UKW)
12:05-12:30	Wrap-up, end of Workshop	
Lunch		
Parallel meetings of AlphaMet and CCRI Radionuclide Therapy and Quantitative Imaging Working Group		