



Theranostic Day

NECHPS + LANTHEUS

Lantheus North Café, 201 Burlington Rd, Bedford, MA
March 27, 2026 | 8:00 AM – 4:00 PM

Free Registration:

Register by emailing your name, affiliation and if you are an HPS or AAPM member to:

nechps@gmail.com

Summary of Event:

Experts in physics, nuclear medicine, and radiation safety discuss radiation dosimetry, patient and staff protection, regulatory compliance, and best practices for emerging radiopharmaceuticals.

8:00 Breakfast and Registration

9:00 Welcome from Lantheus Leadership

9:30 – 10:00 Overview of Radiotheranostic Procedures



Cari Borrás, D.Sc., FACR, FAAPM, FIOMP, FIUPESM, FHPS

International Consultant, Radiological Physics and Health Services, Washington DC

The presentation will review the essential components of the radiotheranostic workflow, including radionuclide production, radiopharmaceutical preparation, activity and traceability measurements, administration of diagnostic agents, imaging acquisition, evaluation of biodistribution, therapeutic administration, quantitative imaging, image registration and segmentation, time-activity curve generation, absorbed dose estimation, and clinical follow-up. Emphasis will be placed on radiation safety considerations.

11:30 – 12:30 Lunch

12:30 – 1:00 Networking

1:00 – 1:30 Complexities of Therapeutic Radiopharmaceuticals from Licensing to Disposal

Tara Medich, MS, CHP

MA General and Brigham & Women's Hospitals

This talk will present one Academic Medical Center's experience with therapeutic agents used in nuclear medicine. The use of these radiopharmaceuticals is not always straightforward due to the multi-disciplinary nature of oncologic treatments.

10:15 - 10:30 Break for Refreshments



10:30 – 11:00 Medical Fusion and Isotope Supply

Benjamin Morgan

Senior Health Physicist,
 Radiation Safety Officer
 SHINE SPECT



The possibility of commercial-scale nuclear fusion does more than solve critical energy and environmental needs, it can also provide a dependable supply of medical isotopes to support patients in the US and the world.

1:30 – 2:15 Radiation Safety Insights: Managing Pb-212 in Clinical Settings

Kendal Berry, MSPH, CMLSO, FHPS

Radiation Safety Officer
 Fox Chase Cancer Center



In the spirit of sharing lessons learned, the Fox Chase Cancer Center (FCCC) Radiation Safety team shares information about their experiences with Pb-203 and Pb-212 clinical trial administrations. Despite attempts to head off all potential pitfalls, challenges seemed to keep popping up. This presentation will delve into the unexpected hurdles encountered during the clinical trials, including issues related to dosimetry, radiation protection, and clinical trial compliance. We will discuss the strategies implemented to address these challenges and ensure the safety of both patients and staff. As time permits, we will briefly discuss other recent lessons learned.

2:30 – 3:00 The President Perspective of the MHPS

Diana Thompson, MS, CHP, RRPT

Director Radiopharmaceutical Medical Physics
 Lantheus



Radiopharmaceutical therapies (RPTs) are rapidly expanding in oncology and molecular imaging, creating new clinical opportunities alongside evolving regulatory and safety considerations. The Medical Section of the Health Physics Society supports this growth by providing scientific leadership, coordinating educational initiatives (i.e. Actinium lunch & learn and 2026 HPS Winter Topical - Alpha Days), establishing member driven task groups, and developing guidance to ensure safe implementation of emerging RPT agents. Through collaboration with organizations such as AAPM, SNMMI, ACR, CRCPD, and CORAR, the section helps align scientific perspectives and promote evidence-based radiation safety to support responsible clinical expansion.

3:00 – 3:30 Questions and Announcements

3:30 – 4:00 Refreshments and Close

11:00- 11:20



SAVE THE DATE!

NECHPS Annual Conference
 June 9, 2026 | Bentley College • Waltham, MA

Registration at NECHPS.org