

2025 SEAAPM Symposium Agenda

January 30-31, 2025

Future Horizons in Medical Physics: Navigating Bottlenecks and Bridging Global Gaps from Diagnosis to Treatment

Program Directors:

Michael Howard, Ph.D. - University of Tennessee / Tennova Healthcare

Niek Schreuder, Ph.D. - Leo Cancer Care

This meeting has applied to CAMPEP for approval of 8.7 MPCEC hours.

Thursday, January 30th	
7:30-8:00 AM	Breakfast
Global Perspectives	
8:00-8:10 AM	Welcome Michael Howard, Ph.D. - University of Tennessee / Tennova Healthcare Niek Schreuder, Ph.D. - Leo Cancer Care Anuj Kapadia, Ph.D. - Oak Ridge National Laboratory
8:10-8:50 AM	Overview of global medical physics - Will Ngwa, PhD Johns Hopkins University
8:50-9:30 AM	Technology advancements in medical physics and its impact globally - Afua Yorke, PhD University of Washington Medical Center
9:30-9:45 AM	Q&A
9:45-10:15 AM	Morning Break Visit the Exhibitors
Theranostics/Nuclear Medicine	
10:15-10:45 AM	Theranostics - Dustin Osborne, PhD University of Tennessee School of Medicine
10:45-11:15 AM	Isotope Production and Applications - Sandra Davern, PhD Oak Ridge National Laboratory
11:15-11:45 AM	Radiation Safety -Dustin Osborne, PhD University of Tennessee School of Medicine
11:45-12:00 PM	Q&A
12:00-1:00 PM	Lunch Break Visit the Exhibitors
Automation - Treatment Planning and Contouring	
1:00-1:25 PM	CT - Xiaofeng Yang, PhD Emory University
1:25 – 1:50 PM	The need for Automation - Future directions - BJ Sintay, PhD Cone Health
1:50 – 2:15 PM	Auto contouring and planning - LMIC territories - Laurence Court, PhD UT MD Anderson Cancer Center
2:15 - 2:40 PM	Auto contouring and planning - USA clinics - Chet Ramsey, PhD Covenant Health
2:45-3:00 PM	Q&A
3:00-3:30 PM	Afternoon Break Visit the Exhibitors
Adaptation	
3:30 - 3:55 PM	Adaptive therapy with Varian - Juliana Simoes, BS Varian Medical

3:55-4:20 PM	Adaptive therapy with Elekta - Alex Solodkin,BS Elekta Medical
4:20-4:45 PM	Improved imaging in CBCT / CT / MR and general workflow aspects - Rock Mackie, PhD Leo Cancer Care
4:45-5:00 PM	Q&A

Friday, January 31st	
7:30-8:00 AM	Breakfast
Early Detection and Screening	
8:00-8:30 AM	Multiscale digital twins for precision cancer research - Anuj Kapadia, PhD Oak Ridge National Laboratory
8:30-9:00 AM	Low dose lung screening - Rock Mackie, PhD Leo Cancer Care
9:00-9:30 AM	CT 4D and other imaging improvements - M Mahesh, PhD Johns Hopkins University
9:30-9:45 AM	Q&A
9:45-10:15 AM	Morning Break Visit the Exhibitors
Patient QA	
10:15-10:45 AM	Advances in Patient Specific QA - Caleb Price, PhD Lewis Cancer & Research Pavillion
10:45-11:15 AM	SRS QA - Brett Miller, MS University of Tennessee
11:15-11:45 PM	Proton QA - Jacob Shamblin, PhD ProNova Solutions
11:45-11:55 AM	Q&A
11:55-12:00 PM	Closing Comments Michael Howard, Ph.D. - University of Tennessee / Tenna Healthcare Niek Schreuder, Ph.D. - Leo Cancer Care
12:00-1:00 PM	Lunch Break Visit the Exhibitors
1:00 PM	2025 SEAAPM Scientific Meeting Opens