



AMERICAN ASSOCIATION  
*of* PHYSICISTS IN MEDICINE  
NORTH CENTRAL CHAPTER

Specialty Symposium on Theranostics: Spring Meeting – April 4, 2024  
Mayo Clinic: Leighton Auditorium - Siebens Building, Rochester, MN

## Meeting Agenda

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<b>12:15</b>	<b>Registration</b>	<b>(45 min)</b>
<b>13:00</b>	<b>Introduction</b>	<b>(15 min)</b>
<b>13:15</b>	Tyler Bradshaw, PhD – <i>“SPECT Imaging in the Era of Radiopharmaceutical Therapy”</i> <i>University of Wisconsin - Madison</i>	<b>(30 min)</b>
	Carrie Hruska, PhD – <i>“First experience with Veriton and Starguide scanners”</i> <i>Mayo Clinic Rochester</i>	<b>(30 min)</b>
	Matthew Thorpe, MD, PhD – <i>“Radiopharmaceutical Therapy: A Physician’s Perspective”</i> <i>Mayo Clinic Rochester</i>	<b>(30 min)</b>
<b>14:45</b>	<b>Break</b>	<b>(15 min)</b>
<b>15:00</b>	Stephen Graves, PhD – <i>“Maintaining NIST traceability in the clinical practice of RPT”</i> <i>University of Iowa</i>	<b>(30 min)</b>
	Abby Besemer, PhD – <i>“Commissioning a RPT treatment planning system and initial experience performing Pluvicto dosimetry”</i> <i>University of Wisconsin - Madison</i>	<b>(30 min)</b>
	Bryan Bednarz, PhD – <i>“Designing and Implementing a Clinical RPT Dosimetry Program from the Ground Up”</i> <i>University of Wisconsin - Madison</i>	<b>(30 min)</b>
<b>16:30</b>	<b>Closing remarks and adjourn</b>	<b>(15 min)</b>

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This meeting has applied to CAMPEP for 3.5 hours of MPCEC.



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NORTH CENTRAL CHAPTER

Spring Meeting – April 5, 2024  
Mayo Clinic: Leighton Auditorium - Siebens Building, Rochester, MN

## Meeting Agenda

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7:15	Registration and continental breakfast	(45 min)
8:00	Welcome, Introductions, and Announcements	(15 min)
8:15	<b>Morning Session I</b>	
	Stephen Graves, PhD – <i>“Normal organ and Tumor Dose Thresholds: Knowns and Unknowns in RPT”</i> <i>University of Iowa</i>	(30 min)
	Ken Fetterly, PhD – <i>“Medical Physics in the Cath lab”</i> <i>Mayo Clinic - Rochester</i>	(30 min)
	Tyler Bradshaw, PhD – <i>“Langue and vision-language modeling in Radiology”</i> <i>University of Wisconsin- Madison</i>	(30 min)
9:45	Morning break and vendor interactions	(30 min)
10:15	<b>Morning Session II</b>	
	Jon Kruse, PhD – <i>“Innovations in Proton therapy at Mayo Clinic”</i> <i>Mayo Clinic - Rochester</i>	(30 min)
	Keith Furutani, PhD – <i>“Mayo Clinic Florida Carbon Ion Radiation Therapy”</i> <i>Mayo Clinic - Jacksonville</i>	(45 min)
11:30	Lunch break/Vendor interactions	(60 min)
12:30	NCC-AAPM Business Meeting	(30 min)

<b>13:00</b>	<b>Early Career Investigator Competition</b>	<b>(90 min)</b>
	Kevin Zhang – <i>“Deep Learning-based Distortion Correction of Diffusion-weighted Imaging”</i>	
	Mayo Clinic - Rochester	<b>(10 min)</b>
	Karsten Wake – <i>“Evaluating Techniques for Creating More Efficient Collimated Proton Arc Therapy Plans”</i>	
	University of Wisconsin-Madison	<b>(10 min)</b>
	Kevin Treb – <i>“RF-Heating of Neurophysiological Monitoring Electrodes during MRI-Guided Procedures”</i>	
	Mayo Clinic - Rochester	<b>(10 min)</b>
	Brandon Nguyen – <i>“Modeling Time Activity Curves”</i>	
	University of Minnesota	<b>(10 min)</b>
	Emily Koons – <i>“Coronary Artery Stenosis Quantification in Patients with Dense Calcifications using Ultra-High-Resolution Photon-Counting-Detector CT”</i>	
	Mayo Clinic - Rochester	<b>(10 min)</b>
	Grace Hutchinson – <i>“Automated SPECT Bars Analysis Across Manufacturers”</i>	
	University of Minnesota	<b>(10 min)</b>
	Pierce Ellingson – <i>“A Solution to the Prony Problem and Applications in Nuclear Medicine”</i>	
	University of Minnesota	<b>(10 min)</b>
	Shaojie Chang – <i>“Improving Stenosis Assessment in Energy Integrating Detector CT via Learned Monoenergetic Imaging Capability”</i>	
	Mayo Clinic - Rochester	<b>(10 min)</b>
<b>14:30</b>	<b>Afternoon break and vendor interactions</b>	<b>(30 min)</b>
<b>15:00</b>	<b>Afternoon Session</b>	
	Daniel Gomez Cardona, PhD – <i>“Implementation of CPT Code 76145: Dose evaluation for radiation exposure that exceeds institutional review threshold”</i>	<b>(30 min)</b>
	Gundersen Health System	
	Dan Pavord, MS, FAAPM – <i>“Implementation of MPPGs”</i>	
	AAPM-WG on MPPG Adoption (Allegheny General Hospital)	<b>(30 min)</b>
<b>16:00</b>	<b>Closing remarks, Awards, and Adjourn</b>	<b>(15 min)</b>

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This meeting has applied to CAMPEP for 5.75 hours of MPCEC.