



2017 Topical Meeting • Program

Sunday, September 10
 Registration 4:30 - 6:00 PM, Lower Lobby Ballroom
 Welcome Reception 6:00 - 8:00 PM, Viger AB&C

#	Session Title	Time	Topic	Presenter
Monday, September 11 Meeting Room: Salle De Bal Ballroom				
1	Opening Plenary Session: Supporting a Reliable, Non- HEU Mo-99 Supply MC: Jeff Chamberlin	9:00 AM	Natural Resources Canada Welcome	Niall O'Dea (NRCan)
			DOE/NNSA Welcome	Pete Hanlon (DOE/NNSA)
			Status of NTP's Conversion Programme	Gavin Ball (NTP)
			Economics of Mo-99	Jan Willem Velthuijsen (PWC)
10:00 AM Coffee Break and Refreshments, Lower Lobby Ballroom				
2	Economics of the Mo-99 Supply Chain Session Chair: Jan Willem Velthuijsen	10:30 AM	Update on OECD's High Level Group on Medical Radioisotopes	Jeff Chamberlin (NNSA)
			2017 Medical Isotope Supply Review: Mo-99/Tc-99m Market Demand and Production Capacity Projection 2017-2022	Kevin Charlton (OECD)
			A Risk Analysis of the Mo-99 Supply Chain Using Bayesian Networks	Jeff Liang (GWU)
			ANSTO Nuclear Medicine: Reliable and Timely Global Supply of Mo-99 Globally	Jayne Senior (ANSTO)
12:00 PM Hosted Buffet Lunch, Viger AB&C				
3	Minimizing HEU and Stabilizing Mo-99 Supply Session Chair: Brett Cox	1:30 PM	Enough Already: No New Licenses for HEU-Based Tc-99m	Miles Pomper (CNS)
			Establishing Reliable, Non-HEU Supplies of Mo-99 Production in the United States	Peter Karcz (NNSA)
			Establishment of LEU-Based Mo-99 Production Capacity at IRE	Valery Host (IRE)
			Securing Mo-99 Supply for LEU Technelite® Generator	Ira Goldman (LMI)
			Challenges and Opportunities on the Path to LEU Conversion	Roy Brown (Curium)
3:00 PM Coffee Break and Refreshments, Lower Lobby Ballroom				
4	Production Projects and Technologies I Session Chair: Kevin Charlton	3:30 PM	Next Generation Mo-99 Production: SHINE Update	Katrina Pitas (SHINE)
			Update on Domestic Production of Mo-99 via Neutron Capture	Jim Harvey (NorthStar)
			Reactor-Based Mo-99 Supply Using Selective Gas Extraction: Update 2017 Mo-99 Topical Meeting	Kathy Murray (GA)
			Overview and Status of Coqui RadioPharmaceuticals Corp.	Carmen Bigles (Coqui)
			Northwest Medical Isotopes, LLC Project Overview and Status	Carolyn Haass (NWMI)
5:30 PM Adjourn				

Tuesday, September 12
Meeting Room: Salle De Bal Ballroom

5	Opportunities and Alternatives to Guarantee Mo-99 Supply Session Chair: Jayne Senior	8:30 AM	Opportunities and Approaches for Supplying Mo-99 and Associated Medical Isotopes to Global Markets	Ourania Kosti (NAS)
			A Survey of Active Clinical Trials Using SPECT Imaging	Jeff Norenberg (Univ. of New Mexico)
			Can the SPECT Nuclear Imaging Modality Be Sustained? The Impact of New Technology, Government and International Regulations, Egregious Price Increases and Collapsing Reimbursement Structures on the Nuclear Imaging Space	Leah Gannon (Vizient)
			Is the Global Shortage of Mo-99 Over?	Orhan Suleiman (Consultant)
10:00 AM Coffee Break and Refreshments, Lower Lobby Ballroom				
6	U.S. Laboratory Structure and Support Capacities Session Chair: Crystal Trujillo	10:30 AM	Argonne National Laboratory Expertise and Capabilities	Amanda Youker (ANL)
			Los Alamos National Laboratory Capabilities to Support the Development of Domestic Mo-99 Production	Joetta Goda (LANL)
			Savannah River National Laboratory: Science and Technology for National Challenges	Anita Poore (SRNL)
			Y-12 National Security Site Capabilities and Expertise Related to Mo-99	Lloyd Jollay (Y-12)
			Oak Ridge National Laboratory: Research and Development Capabilities	Chris Bryan (ORNL)
12:00 PM Lunch Break				
7	Production Projects and Technologies II Session Chair: Sergey Chemerisov	1:30 PM	Technical Aspects of Non-HEU Mo-99 and Tc-99m Production: An IAEA Update	Joao Osso (IAEA)
			A New Paradigm for Mo-99/Tc-99m Supply	Mark de Jong (CIIC)
			Development of Fission Mo-99 Production System and Facility for the KJRR of Korea	Seung-Kon Lee (KAERI)
			Medical Isotope Production in Liquid-Fluoride Reactors	Kirk Sorensen (Flibe)
3:00 PM Coffee Break and Refreshments, Lower Lobby Ballroom				
8	Transition and Regulation Session Chair: Thomas Hanlon	3:30 PM	UPPI LEU Walk: Implementation Strategy on the Verge of a Supply Chain Converted to Non-HEU Medical Isotopes	John Witkowski (UPPI)
			U.S. Nuclear Regulatory Commission Activities Related to the Establishment of Mo-99 Production in the United States	Steven Lynch (NRC)
			The Drug Regulatory Pathway to LEU Conversion	Roy Brown (Curium)
4:30 PM Adjourn				

Wednesday, September 13
Meeting Room: Salle De Bal Ballroom

9	State of Technology Development I Session Chair: Leah Gannon	8:30 AM	Development of Accelerator-Based Production of Mo-99	Sergey Chemerisov (ANL)
			Demonstration of Multi-physics (MCNP + Multiphase CFD) Calculation for Accelerator-Driven LEU Solution Based Mo-99 Production	Seung Jun Kim (LANL)
			Photonuclear Production of Mo-99/Tc-99m Using Mo Trioxide and Activated Carbon	Jaewoong Jang (Univ. of Tokyo)
			Updates on Engineering Development of Mo-100 targets for the Production of Mo-99	Keith Woloshun (LANL)

10:30 AM Coffee Break and Refreshments, Lower Lobby Ballroom

10	State of Technology Development II Session Chair: Victoria Wu	11:00 AM	Los Alamos National Laboratory Support for Domestic Mo-99 Production	Greg Dale (LANL)
			Progress Toward Mitigating Uranyl Peroxide Precipitation and Controlling Pu Behavior on Titania	Amanda Youker (ANL)
			Update on Large-scale Chemical Processing for Neutron Capture and Accelerator Driven Production of Mo-99	Peter Tkac (ANL)
			Implementation of Cyclotron-Produced Tc-99m	Paul Schaffer (ITAP)

12:30 PM Closing Remarks
MC: Jeff Chamberlin

Optional Technical Tour of the Jubilant DraxImage Inc. Radiopharmaceutical Facilities
(Bus transportation provided from and to hotel)
1:30 PM - 4:30 PM

Optional Technical Tour of the École Polytechnique de Montréal SLOWPOKE-2 Research Reactor and Thermal-hydraulic Laboratory
(Bus transportation provided from and to hotel)
2:00 - 5:30 PM

Thursday, September 14

Optional Technical Tour of the Jubilant DraxImage Inc. Radiopharmaceutical Facilities
(Bus transportation provided from and to hotel)
9:00 AM - 12:00 PM