

**TRIUMF
LIFE SCIENCES PROJECTS
EVALUATION COMMITTEE MEETING
JUNE 9 & 10, 2022
MOB AUDITORIUM
AGENDA**

THURSDAY, JUNE 9, 2022

IMPORTANT: The time allotted for each agenda topic has been noted in brackets under each timeslot. For each L# presentation, presenters have been provided the number of minutes to present + the number of minutes the Committee has to ask them questions.

Time	Exp. #	Title	Spokesperson/Presenter (Status & Affiliation) (*TRIUMF)
07:30 (1.5 hrs)		In camera meeting & breakfast in TRIUMF MOB Boardroom – Closed Committee Meeting	
09:00 (15 mins)		Welcome Address & State of the Division in the TRIUMF MOB Auditorium	Paul Schaffer (PhD Chemistry, Director, Life Sciences*)
09:15 (15 mins + 5 mins)	L0 L99	TR13 Facilities BCC 18F Production	Dave Prevost (BSc Nuclear Chemistry, TR13 Operations Coordinator*)
09:35 (12 mins + 3 mins)	L3	Synthesis of Radiopharmaceuticals for Positron Emission Tomography Update on TRIUMF Life Sciences' Quality Assurance Program	Qing Miao (PhD Chemistry*) Joe Huser (Diploma of Chemistry*)
09:50 (25 mins + 5 mins)	L97 L98 L107	PET Program Overview: Human Studies and UBC/DMCBH MicroPET imaging program at UBC PET UBC PET Physics program	Vesna Sossi (PhD Physics, Prof. UBC)
10:20 (12 mins + 3 mins)	L107	UBC PET Physics program	Jordan Hanania, PhD Student Medical Physics, UBC)
10:35 (8 mins + 2 mins)	L98	MicroPET imaging program at UBC PET	Sathiya Sekar (PhD, Imaging Facility Manager, CCM UBC)
10:45 (15 mins)		Coffee Break	

Time	Exp. #	Title	Spokesperson/Presenter (Status & Affiliation) (*TRIUMF)
11:00 (12 mins + 3 mins)	L130	Irradiation experiments related to medical physics (Focus: ARIEL FLASH Effort)	Luca Egoriti, (PhD Nuclear Engineering*)
11:15 (4 mins + 1 min)	L146	Production of ⁵⁶ Co Calibration Sources for Gamma- Ray Spectroscopy at ISAC	Greg Hackman, (PhD Nuclear Physics and Nuclear Astrophysics*)
11:20 (12 mins + 3 mins)	L135 L139 L144 L145 L131	Research Overview: Investigation of a Cu based PET imaging agent, Cu(II)-ATSM, using Ag-111 PAC Spectroscopy β -NMR spectroscopy to explore the coordination chemistry of different Ac-based novel chelators and radiopharmaceuticals β -NMR with Copper Isotopes PAC Experiments with In-111 Isotopes Summary remarks of Magnesium Chemical Shift Measurements by Mg-31 β -NMR	Monika Stachura (PhD Bioinorganic Chemistry and PhD Biophysics*)
11:35 (12 mins + 3 mins)	L131	Magnesium Chemical Shift Measurements by M-31g β -NMR	Victoria Karner (PDF, PhD Chemistry*)
11:50 (40 mins)		Student Poster Competition	
12:30 (30 mins)		Lunch in the MOB Boardroom – Closed Committee Meeting	
13:00 (30 mins)		BC Cancer Update	Francois Benard (MD, Senior Executive Director, BC Cancer Research Institute)

Time	Exp. #	Title	Spokesperson/Presenter (Status & Affiliation) (*TRIUMF)
13:30 (12 mins +3 mins)	L90 L122 L126 L136 L150 L154	Program Overview: Enabling Technologies for Metallic Radioisotopes in Nuclear Medicine Alpha-emitter studies using the ISAC Implantation Station Summary remarks: Production of Imaging and Therapeutic Isotopes from Solid Targets at TR13 Mercury production from gold targets at the TR13 Radiochemical separation and application of spallation products derived from irradiated thorium Radiometals from liquid targets	Valery Radchenko (PhD Chemistry*)
13:45 (8 mins + 2 mins)	L154	Radiometals from liquid targets	Viktoria Kroll (Student, MSc Physics, The University of Edinburgh)
13:55 (8 mins + 2 mins)	L136	Mercury production from gold targets at the TR13	Siuwong Chen (Student, PhD Candidate Chemistry, SFU)
14:05 (8 mins + 2 mins)	L126	Production of Imaging and Therapeutic Isotopes from Solid Targets at TR13	Valery Radchenko (PhD Chemistry*) for Aivija Grundmane (Student, PhD Candidate Chemistry, SFU)
14:15 (12 mins + 3 mins)	L90 L122 L152 L153	Program Overview: Enabling Technologies for Metallic Radioisotopes in Nuclear Medicine Alpha-emitter studies using the ISAC Implantation Station Tb-161 purification and radiochemistry development Measurement of radioactive samples with Life Sciences ICP-MS	Hua Yang (PhD Chemistry*)
14:30 (3 mins + 2 mins)	L157	Gold Nanogel Radiolabeling	Ralf Schirmacher (PhD Nuclear Chemistry, University of Alberta)
14:35 (15 mins)		Coffee Break	

Time	Exp. #	Title	Spokesperson/Presenter (Status & Affiliation) (*TRIUMF)
14:50 (8 mins + 2 mins)	L90	Enabling Technologies for Metallic Radioisotopes in Nuclear Medicine	Lily Southcott (Student, PhD Candidate Chemistry, UBC)
15:00 (25 mins + 5 mins)	L128 L150 L151	Program Overview: Production and application of theranostic Pb-203 Radiochemical separation and application of spallation products derived from irradiated thorium Production and Application of the La-135/La-132 Theranostic Pair	Caterina Ramogida (PhD Chemistry, Asst. Prof. SFU & TRIUMF)
15:30 (12 mins + 3 mins)	L101 L122 L124 L125 L150	Program Overview: F-18 labelled Amino Acids Alpha-emitter studies using the ISAC Implantation Station Irradiation of Thorium Targets at the TRIUMF 500 MeV Isotope Production Facility Isolation of medical isotopes from irradiated thorium metal targets Radiochemical separation and application of spallation products derived from irradiated thorium	Paul Schaffer (PhD Chemistry, Director, Life Sciences*)
15:45 (8 mins + 2 mins)	L122	Alpha-emitter studies using the ISAC Implantation Station (Focus: ISOL production/isolation of Ac-226)	Helena Koniar (Student, PhD Candidate Medical Physics, UBC)
15:55 (12 mins + 3 mins)	L101 L150	F-18 labelled Amino Acids Radiochemical separation and application of spallation products derived from irradiated thorium (Focus: Private sector partnership Ac-225 Labelling and Pa-230/U-230 (NIH))	Gokce Engudar (PDF, PhD Radiochemistry*)
16:10 (8 mins + 2 mins)	L138	Glucocerebrosidase PET Imaging Agents	David Vocadlo (PhD Bioorganic Chemistry, SFU) Sandeep Bhosale (PDF, PhD Chemistry, SFU)
16:20 (12 mins + 3 mins)	L124 L125	Irradiation of Thorium Targets at the TRIUMF 500 MeV Isotope Production Facility Isolation of medical isotopes from irradiated thorium metal targets	Stuart McDiarmid (B.ApSc Engineering Physics*)

Time	Exp. #	Title	Spokesperson/Presenter (Status & Affiliation) (*TRIUMF)
16:35 (15 mins + 5 mins)	L159	Purification and reclamation studies for Ra-226	Amit Hampaul (PEng, PMP*) Elaheh Khozeimeh (PhD Chemistry*)
16:55 (8 mins + 2 mins)	L158	Production and Labeling of Radiometals from Solid Targets	Neil Weatherall (BSc Chemistry*)
17:05 (10 mins)		Wrap-up	

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FRIDAY, JUNE 10, 2022

CLOSED MEETING

Time	Title	Location
07:30 (2 hrs)	In camera meeting & breakfast – Closed Committee Meeting	TRIUMF MOB Boardroom
09:30 (15 min)	Coffee Break	
09:45 (2 hrs)	Write the LSPEC Report	TRIUMF MOB Boardroom
11:45 (1 hr)	Lunch	
12:45 (2 hrs)	Continue writing the LSPEC Report	TRIUMF MOB Boardroom
14:45 (30 min)	Closing remarks & Committee assignments (Wrap up)	TRIUMF MOB Boardroom
15:15 (10 min)	Coffee Break	
15:25 (1 hr)	TRIUMF Facility Site Tour led by Valery Radchenko Tour Route: <ul style="list-style-type: none"> • Exit Badge Room • Walk toward Meson Hall loading bay • Enter Meson Hall • Stop for view of Beamline 1A / Proton Therapy • Take staircase up to the mezzanine to tour top of 520 MeV cyclotron • Take staircase down to Meson Hall loading bay • Walk to the PET Scanner and view the materials science area / IPF • Walk through Meson Hall towards IAMI 	TRIUMF Site

	<ul style="list-style-type: none"> • View IAMI building and site • Re-enter MHESA and go downstairs to RCR basement • Exit Meson Hall via RCA hallway and discuss BWXT • Enter ISAC-I Experimental Hall via loading bay • Highlight βNMR/DRAGON • Exit ISAC-II via back entrance near remote handling • Return to Main Office Building via badge room 	
16:25 (5 mins)	<p>Break</p> <p>(LSPEC Chair – break until next meeting at 16:30)</p> <p>(Remaining Committee – break until dinner)</p>	
16:30 (45 mins)	<p>Close Out Session</p> <p>(Closed meeting between LSPEC Chair, Carolyn Anderson and TRIUMF's Executive Director & CEO, Nigel Smith)</p>	The office of TRIUMF's Executive Director & CEO
18:00	Committee Dinner	