

Canadian Radiotheranostics Leaders' Summit

June 6-7, 2024 | Toronto

Student Information Package

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About the Canadian Radiotheranostics Leaders' Summit

The 2024 Canadian Radiotheranostics Leaders' Summit is a collaboration between the University Health Network (UHN) and the Canadian Nuclear Isotope Council (CNIC), in partnership with the Canadian Medical Isotope Ecosystem (CMIE), designed to bring together leaders from the medical, health care, policy, and radioisotope communities, to highlight issues of greatest relevance in the Canadian landscape and shape the future to best serve patients and talent within the sector.

The Leaders' Summit was an annual event held by the CNIC that aims to bring together leaders from Canada's isotope community and abroad to discuss common issues and strategic opportunities in the isotope industry. With the rapid growth of radiotheranostics in clinical care, UHN collaborated with scientific leaders to begin planning a Canadian symposium aimed at providing a forum to discuss clinical practice and scientific innovations for the future.

The 2024 Leaders' Summit brings together the two conversations, broadening its focus to better integrate the medical community and provide a much deeper focus on radiotheranostics used in oncology and modern medicine.

Purpose of the Summit

The Canadian isotope industry is enjoying tremendous momentum. In Canada, key partnerships and collaboration have allowed for cutting-edge innovation, new approaches and technology to produce emerging isotopes, and strategies to resolve supply challenges. In recent years, Canada has become home to a growing number of start-ups and spin-offs focused on the development of radiopharmaceuticals. As such, Canada is developing an ecosystem with a broader scope, drawing expertise from across the medical community, the isotope production chain, and the radiopharmaceutical industry.

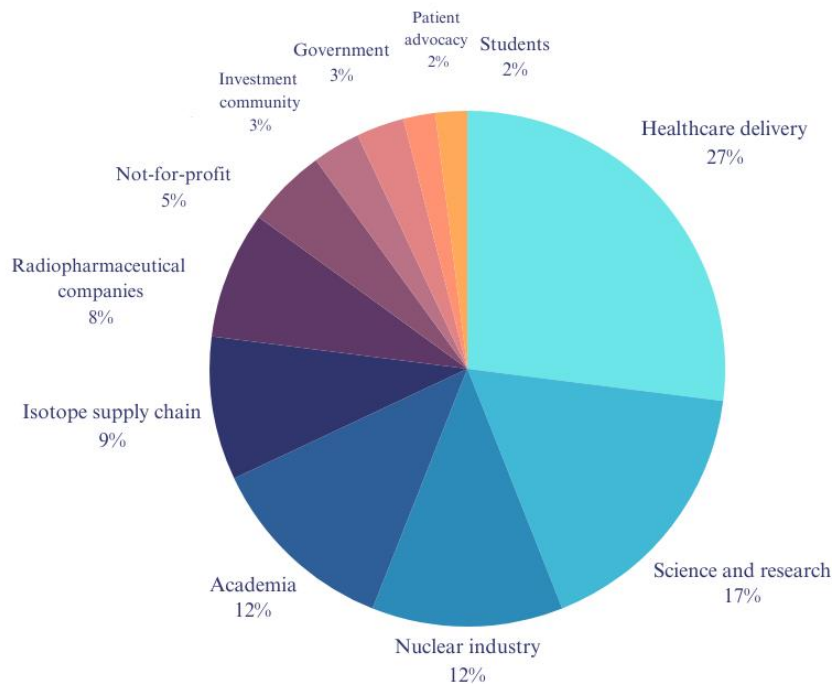
The medical community is heightening the value of radiotheranostics currently being established through high-quality clinical trials, which are starting to show proof of improved cancer patient survival. Effectively incorporating radiotheranostics into cancer care requires transdisciplinary collaboration of talented radiation oncologists, nuclear medicine physicians, radiologists, nuclear medicine technologists, radiation therapists, nurses, physicists, and radiation and imaging scientists, along with dedicated infrastructure. While Canada does possess many talents in this space, innovative models of care, infrastructure, and patient partnerships are needed to translate this exciting science into access to care and improved survival from cancer.

Who is attending the 2024 Leaders’ Summit?

The event targets attendance from different parts of the Canadian isotope supply chain, business leaders, and government representatives, in addition to healthcare and patient partners, and more.

Together, the Summit offers an opportunity for the radiotheranostics and isotope community to provide knowledge and expertise about challenges to patient access and the industry and contribute to the development of coordinated actions to address these challenges.

Summit Attendance Breakdown

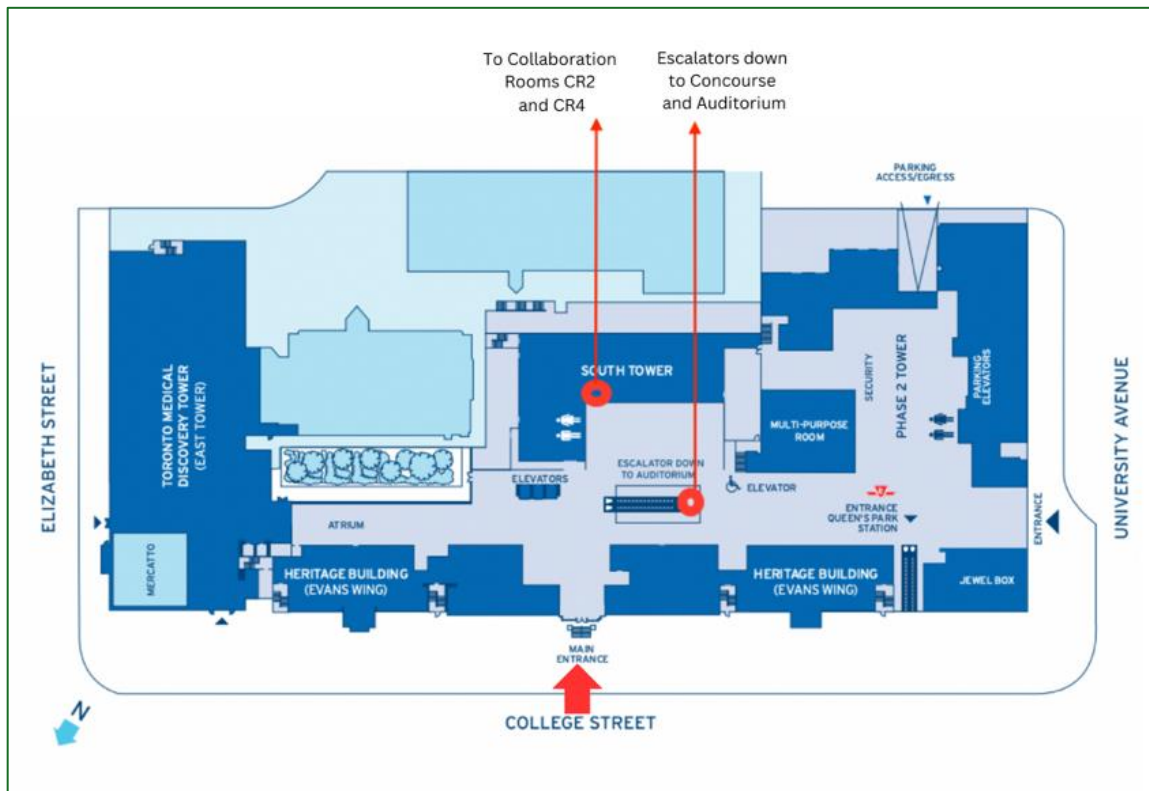
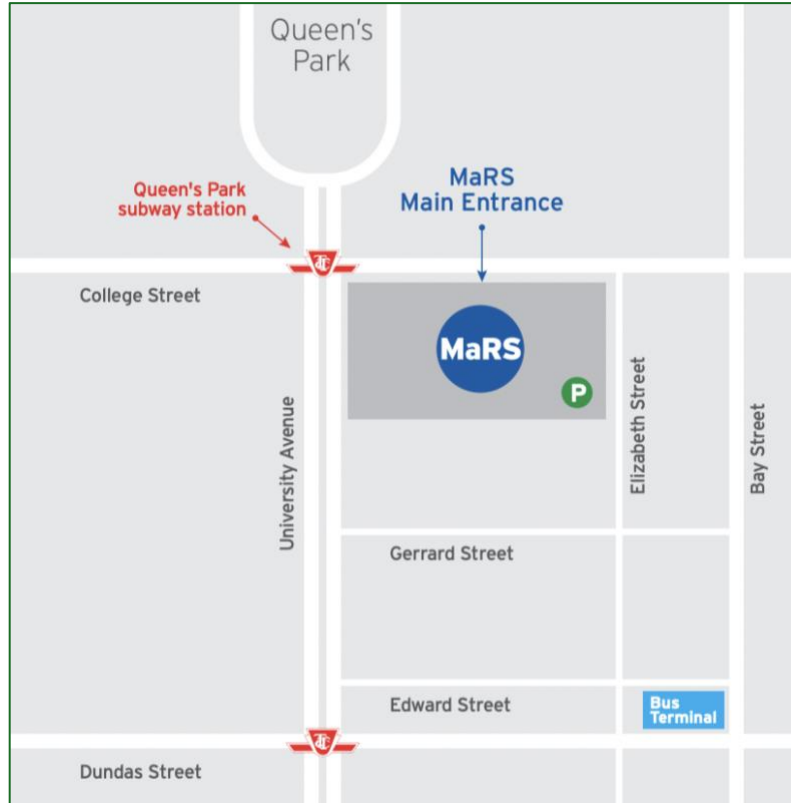


Venue Information and Getting There

The Canadian Radiotheranostics Leaders’ Summit is held at the MaRS Discovery Centre (101 College St, Toronto, ON M5G 1L7). The closest TTC subway station is Queen’s Park station.

Paid parking is available to all Summit attendees. The MaRS underground lot can be accessed via Elizabeth Street, just south of College Street on the west side of the road. Parking is \$4/hour or \$20/day (expires at 10pm).

Doors will open for speakers and attendees at 8:00am. We recommend entering the MaRS Centre from the College Street entrance and proceeding down the escalators to the lower Concourse and Auditorium.



Hotel Information

All students will receive accommodations as part of the Summit's group hotel booking. The hotel is conveniently located less than 10 minutes' walk from the MaRS Discovery Centre. See below for information about the hotel:

Courtyard by Marriott Toronto Downtown
475 Yonge St., Toronto, ON, M4Y 1X7

For questions about the hotel or your reservation, please contact our Marriott Event Manager, Alanna Tercier, at 416-891-2335 or Alanna.Tercier@marriott.com, or visit the [hotel website](#).

Current Student Track Agenda

Day 1 (June 6): Understanding Canadian medical isotopes and radiotheranostics from production to patient

*Students to attend main Summit programming on Day 1 in the MaRS Auditorium

Time Start	Time End	Session	Location
8:00	9:00	Registration & light breakfast	MaRS Concourse
9:00	9:15	Call to order and welcome from the University Health Network	MaRS Auditorium
9:15	9:25	Welcome remarks from the Canadian Nuclear Isotope Council	
9:25	9:55	Keynote address – Radiotheranostics: A paradigm shift in precision oncology	
9:55	10:35	Fireside chat – Precision radiopharmaceuticals: What's next?	
10:35	10:55	Coffee & networking break	MaRS Concourse
10:55	11:55	Speed round – Radiopharmaceuticals from design, to production, to treatment & delivery	MaRS Auditorium
11:55	12:25	Presentation – Porphysome nanotechnology for radiotheranostics	
12:25	1:30	Lunch – Sponsored by AtomVie Global Radiopharma Inc.	MaRS Concourse
1:30	3:10	Speed round – Technological advances that enable change	MaRS Auditorium
3:10	3:40	Panel – Outfitting hospitals for 21 st Century procedures	
3:40	4:00	Coffee & networking break	MaRS Concourse
4:00	4:30	Panel – Training the next generation of isotope and healthcare professionals	MaRS Auditorium
4:30	5:10	Fireside chat – Equitable access to radiotheranostics in Canada	

5:10	5:20	Closing remarks	
5:20	7:00	Networking reception – Sponsored by BWXT Medical	Heritage Atrium

Day 2 (June 7): Current Advances and Future Opportunities

*Students to attend specialized programming in the morning of Day 2 and the main Summit programming in the afternoon

Time Start	Time End	Session	Location
8:00	9:00	Registration & light breakfast	MaRS Concourse
9:00	9:10	Opening remarks and keynote from Student Sponsor - Kinectrics <ul style="list-style-type: none"> • Dr. Travis Besanger 	Collaboration room CR2
9:10	9:16	Presentation from AtomVie Global Radiopharma Inc. <ul style="list-style-type: none"> • Rezwan Ashique 	
9:16	9:24	Presentation from TRIUMF <ul style="list-style-type: none"> • Valery Radchenko 	
9:24	9:54	Southwestern Ontario Isotope Coalition Partner Panel. <ul style="list-style-type: none"> • Chad Richards (Session Chair) • Rebecca Brookham, Brightshores Health • Jeff Loney, Bruce County • Yousef Yacoob, Kinectrics 	
9:54	10:00	Presentation from Atomic Energy of Canada Ltd. (AECL) <ul style="list-style-type: none"> • Amy Gottschling 	
10:00	10:05	Presentation from the Central and Eastern Ontario Isotope Alliance (CEOIA) <ul style="list-style-type: none"> • Laura Van Soelen, Laurentis Energy Partners 	
10:05	10:50	Career Opportunity Coffee Break (see page 6 for more information)	
10:50	10:55	Presentation from Mirion <ul style="list-style-type: none"> • Shawndra Kelly 	
10:55	12:15	Ontario Tech TALENT - Energy Skills Hub workshop for careers in Canada's isotope industry <ul style="list-style-type: none"> • Rachel Sumner 	
12:15	1:10	Lunch sponsored by Telix Pharmaceuticals	MaRS Concourse
1:10	2:25	Mini TEDTalks – From evidence, to access, to patient impacts	MaRS Auditorium

2:25	3:15	Presentations: Into the future	
3:35	3:35	Coffee & networking break	MaRS Concourse
3:35	4:05	Panel: Nuclear supply chain innovation in medical isotopes	MaRS Auditorium
4:05	4:50	Fireside chat: Where do we go from here? A Canadian roadmap for medical innovation	
4:50	5:00	Laurentis' isotope Ad-vantage	
5:00	5:05	Thanks from CNIC and CMIE	
5:05	5:10	Closing remarks from UHN	
5:10	7:00	Networking reception sponsored by McMaster University	Heritage Atrium



Please note the above agenda may undergo some last-minute changes. To access the full, most updated agenda with additional information including session descriptions and all speaker details, please visit the [Summit web page](#) or scan the Summit QR Code.

Career Opportunity Coffee Break

On June 7 from 10:05-10:50am, students will be participating in a “Career Opportunity Coffee Break” to meet with prominent national leaders in the Canadian isotope and healthcare industry, allowing them to engage directly with speakers and presenters. Any interested Summit attendee is invited to participate in the Speed Networking with students. Coffee and refreshments will be provided.

Energy Skills Hub Workshop

Participants in the Summit Student Program will benefit from a hands-on Skills Workshop provided by Ontario Tech TALENT. This workshop will include a demonstration of TALENT’s Energy Skills Hub to help students find out about the skills most important to employers and explore job opportunities in Canada’s energy sector.

The Energy Skills Hub connects job seekers, students, and professionals with the training, resources, and opportunities to succeed in the energy industry.

Key Benefits:

- Career Exploration: Discover diverse energy career pathways and get personalized recommendations based on skills and interests.
- Skills Development: Access targeted training and upskilling programs to prepare for in-demand energy related jobs.
- Network Building: Connect with employers, industry leaders, and like-minded individuals shaping innovation from our dynamic energy sector.
- [Click here to learn more about the Energy Skills Hub.](#)

Before the Summit, please [click here to sign up](#) for complimentary access to the Energy Skills Hub, exclusively for student conference attendees. This platform will allow you to explore job opportunities in Canada's dynamic energy sector and signal your interest to employers hiring across the country.

Speaker Information



Rezwan Ashique joined CPDC, the parent organization of AtomVie Global Radiopharma Inc. (AtomVie), in 2013. He has played several progressive roles over the past 11 years and is currently the head of the operations including process development/validation, routine manufacturing and supply chain at AtomVie. Prior to joining CPDC, Rezwan led the establishment of the PERs Facility of Lantheus Medical Imaging in Mississauga, Ontario.

Rezwan holds a B.Sc. in Chemistry with minor in Economics and an M.Sc. in Radiochemistry. He has over 20 years of extensive experience in the process and test method development, validation and manufacturing of sterile and ready-to-use diagnostic and therapeutic radiopharmaceuticals.



For over 15 years **Dr. Travis Besanger** has built a career in commercialization of radiopharmaceuticals and medical isotope products. Currently, Travis serves as Senior Business & Technical Director - Medical Isotopes at Kinectrics where he is responsible for leading Kinectrics medical isotope business. This has included directing, in partnership with Framatome and Bruce Power, the implementation of the Isotope Production System at the Bruce Nuclear Generating Station the world's first commercial scale source of Lutetium-177 produced by a power reactor; and establishing the

first commercial stable isotope enrichment platform for the production of Ytterbium-176 in North America. Travis continues to expand Kinectrics medical isotope portfolio and spearhead the development and commercialization of the next generation of medical isotopes. Before joining Kinectrics Travis held the roles of Chief Business Officer at the Centre for Probe Development & Commercialization (CPDC), which is now known as AtomVie. At the CPDC he

had accountability for the radiopharmaceutical contract manufacturing (CMO) business unit with responsibility for revenue growth and business strategy. Travis also was involved in establishing a Vancouver-based radioisotope company ARTMS that is focused on the production of Tc-99m and other diagnostic radioisotopes using medical cyclotrons, and he began his career at the Cambridge-based Molecular Insight Pharmaceuticals, a radiopharmaceutical developer that was focused on commercializing targeted radiotherapies for a variety of cancers. Travis received his PhD in Chemistry from McMaster University.



Dr. Rebecca Brookham was raised locally in rural Grey Country, Ontario and is an experienced healthcare leader focused on research and innovation that promotes rural health and wellness. She is passionate about providing equitable health care to who you are, where you are, in a manner that matters to you. Rebecca is a Registered Kinesiologist and Certified Infection Prevention & Control Practitioner, and proud alumna with a BSc, MSc and PhD in Kinesiology (Biomechanics) from the University of Waterloo. Rebecca has a passion for research and its application to improve health care and providing equitable access to care in rural settings.

Rebecca is the Director of Research and Innovation at Brightshores Health System, which is home to 6 hospital sites across the beautiful 8600 square kilometers of Grey and Bruce counties. Rebecca is also non-full time Faculty at Georgian College and enjoys teaching in the Health, Wellness and Sciences department.



Amy Gottschling, BsC, PhD, holds the role as Vice President of Science, Technology and Commercial Oversight at Atomic Energy of Canada Limited (AECL), responsible for overseeing the performance of the advancement of nuclear science, technologies, and capabilities at the National Nuclear Laboratories in Chalk River Canada, which is operated by Canadian Nuclear Laboratories (CNL).

Amy develops and oversees technological and commercial strategies that will provide real and demonstratable benefits to the Canadian people and our international partners in the areas of Clean Energy, Safety & Security, Health, Environmental Protection and Economic

Growth. In the Health portfolio, a key initiative is the ongoing growth of Actineer, a Joint Venture between CNL and [ITM Isotope Technologies Munich SE \(ITM\)](#) to advance Actinium-225 (^{225}Ac) production and processing technologies for both short-term production capabilities as well as a new dedicated facility for large-scale production. Prior to joining AECL, Amy held the role of a Vice-President of Radioactive Materials and Chemistry Services at Kinectrics Inc, where she managed a portfolio encompassing radiochemistry R&D, radioactive waste processing and decommissioning planning, tritium technologies, and medical isotopes. Amy was established the commercial development of, and was accountable for, the design, build, operation, and of several key capabilities for Kinectrics including the development of Lutetium-177 irradiations and processing with their partners Bruce Power and Framatome as well as starting Canada's first commercial Alpha Dosimetry and Face Mask Qualification facilities and the first commercial

Nuclear PPE laundering and Manufacturing Facilities in Teeswater, Ontario. Holding a BSc and PhD in chemistry and nuclear from Western University in London, Ontario, Amy is a leader who believes in advancing Canada's profile in the energy and health sectors both nationally and internationally and is a champion for research and innovations that result in real-world solutions.



Shawndra Kelly is a Key Account Manager in Canada at Mirion Technologies (Canberra CA) Ltd. based in Concord, ON. Mirion, a global leader in nuclear instrumentation and radiation detection, monitoring and safety, partners with customers to build solutions that fundamentally change what's possible in science, industry and medicine. The broad range of expertise, products and solutions provide isotope lifecycle management from production to patient, enabling critical innovation in radiopharmaceuticals and theranostics. Shawndra is focused on expanding Mirion's product lines into critical emerging markets within Canada, including radiopharmaceutical applications, laboratories, government agencies and healthcare. She is strategically-minded with a passion for driving technologies and services within the industries she serves. Shawndra applies her over 10 years' experience in the industry to find the best product solutions for new applications and provides existing customers with expanding equipment needs. She is a member of Women in Nuclear Canada and currently serves as the Vice-Chair of the Gold Horseshoe Chapter.



Jeff Loney is the Economic Development Manager at Bruce County with over 12 years of experience in the public sector. Jeff's unique perspective, gleaned from his time in both the private sector as an entrepreneur and in the public sectors, equips him with invaluable insights into the needs and challenges facing businesses today. His innovative approach and passion for fostering an environment where businesses can flourish make him a driving force in growing economic prosperity and community development.



Dr. Valery Radchenko is a Research Scientist at TRIUMF and an adjunct professor at the University of British Columbia, Chemistry Department with the main research focus on the production and application of therapeutic radionuclides for Targeted Radionuclide Therapy (TRT). Radiochemist by training graduated from Saint-Petersburg State Technical University (Russian Federation) in collaboration with the Joint Institute for Nuclear Research (JINR) in Dubna (Russian Federation). He received his Ph.D. from Johannes-Gutenberg University Mainz (Germany) in 2013 with a thesis focused on the design of production of a promising radionuclide for *immuno*-PET: ^{90}Nb . Further,

realizing the potential of targeted radionuclides therapy he pursued a postdoctoral position at Los Alamos National Laboratory, NM, USA, where he worked as a part of the tri-lab effort on the production of ^{225}Ac from spallation of thorium with high-energy protons. Besides, ^{225}Ac production effort, he also worked on other efforts including extraction of valuable medical radionuclides from irradiated thorium targets (e.g. $^{223/224/225}\text{Ra}$, ^{230}Pa , $^{103}\text{Ru}/^{103\text{m}}\text{Rh}$, ^{111}Ag), design of production alternative for low energy slot at Isotope Production Facility at LANL and others. He published over 90 scientific papers in peer-reviewed journals and served as a guest editor on special issues on alpha and Auger emitters for Targeted Therapy.



Chad Richards is the Sr. Director of Policy & Partnerships at the Nuclear Innovation Institute (NII). Through this work Chad seeks opportunities to for the nuclear industry to collaborate with communities, governments, and other sectors on projects to decarbonize our economy and reach net zero by 2050. Programs under Chad's purview produce original research and thought leadership on the role of nuclear in a net zero future. Prior to joining NII, Chad worked at the federal and provincial levels of government. He spent nearly 8 years working on Parliament Hill and served as a Senior Advisor to the Associate Minister of Energy in Ontario.



Laura Van Soelen is Vice President of Corporate Services at Laurentis Energy Partners. She joined Laurentis in 2022 after spending 13 years practicing law for the international law firm, Gowling WLG. Having practiced both commercial litigation and advisory side work for clients in the energy sector, Laura has a depth of experience navigating tough political, regulatory, and commercial issues. She has worked on major refurbishment and new build projects in the energy sector, as well as first of a kind deployment of technology.

Laura previously supported Laurentis' predecessor, Canadian Nuclear Partners, while on secondment from Gowling WLG to Ontario Power Generation's Law Department. Laura now provides leadership to Laurentis' people and culture, commercial, legal and marketing, communications and outreach teams. She also enjoys supporting and engaging with a variety of industry organizations including Women in Nuclear, Women in Renewable Energy, and Canadian Nuclear Isotope Council.



Rachel Sumner is the Chief Executive Officer of TALENT. She leads TALENT's strategy and its exceptional team to deliver on their vision of a lifetime of meaningful employment for all through the execution of their mission to become Canada's leading skills intelligence organization. Using skills first workforce transformation TALENT is tackling Canada's talent shortages and skills gaps head on in partnership with employers in the regulated industries that TALENT serves.

Prior to TALENT, Rachel served as Pearson's Regional Partnership Director, leading the development of their largest higher education digital-learning initiative focused on workforce development. Rachel holds a Bachelor of Arts from the University of the West of England in Bristol; a Bachelor of Science and a Master of Arts from The Open University in Milton Keynes where her research focused on Curriculum, Training and the Future of Work. She is a three-time nominee of the RBC Canadian Women Entrepreneur Award and a Certified Executive Coach and Mentor, with experience supporting both the professional women's career empowerment organization Lean In Canada, and Futurpreneur Canada.



Yousef Yacoob is the Director of Medical Isotope Production & Projects at Kinectrics. He is primarily responsible for advancing the production of Lutetium-177 through Isogen, a Kinectrics and Framatome company, in partnership with Bruce Power. Over the past 10 years, Yousef has held various roles at Kinectrics, including engineering, reactor safety, nuclear projects, and strategic growth.

Dietary Restrictions

We are pleased to provide all Summit attendees with a light breakfast and lunch, in addition to a variety of appetizers during the networking receptions following each day's programming. Refreshments and coffee will also be provided throughout both days.

If you have any dietary restrictions or preferences, please email melody.greaves@canadianisotopes.ca to ensure we can accommodate your needs!

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