**Director, Saskatchewan Centre for Cyclotron Sciences**

The Sylvia Fedoruk Canadian Centre for Nuclear Innovation (Fedoruk Centre) is seeking an influential research leader for the position of Director of the Saskatchewan Centre for Cyclotron Sciences, which will be responsible for a) the overall management of a radioisotope facility including production and synthesis of radiopharmaceuticals; and b) developing and leading a sustainable enterprise to maximize the quality and volume of research resulting from cyclotron operations and to optimize commercial income from radioisotope sales. The position is available April 1, 2015 or when a suitable candidate is identified.

The Fedoruk Centre envisions Saskatchewan among global leaders in nuclear research, development and training. As part of its mandate, the Fedoruk Centre is working to build capacity for innovation within Saskatchewan in the area of nuclear medicine, instruments and methods. Towards this goal, the Fedoruk Centre has assumed responsibility, in December 2014, for regulatory commissioning and ongoing operation of a new facility for the production of imaging probes and associated technologies for applications in medical care and animal and plant research.

Owned by the University of Saskatchewan (U of S), the new $25 million facility features a high-current ACSI TR24 cyclotron and a cGMP radiopharmaceutical laboratory including hot cells, auto-synthesis units and a quality control system (HPLC, GC, TLC) and a suite of offices, all located in 1400 square meters of newly renovated space co-located with 600 square meters of additional space managed by the U of S in support of related research activities. This key infrastructure resource will be the centre of collaborations and partnerships among the province’s two universities, the provincial health regions and industry.

The Saskatchewan Centre for Cyclotron Sciences is located on the U of S campus among the widest array of health sciences colleges in a single Canadian institution, a college of agriculture and bioresources renowned for biotechnology and new crop varieties, the Canadian Light Source synchrotron, the Vaccine and Infectious Disease Organization (VIDO) and Containment Level 3 InterVac facility, and the joint U of S and Saskatoon Health Region Medical Imaging and Nuclear Medicine Department and PET/CT in the Royal University Hospital. The Province of Saskatchewan has demonstrated its commitment to a nuclear innovation agenda with $33 million over 7 years to the Fedoruk Centre and $13.1 million for the Saskatchewan Centre for Cyclotron Sciences to build upon the legacy of the Honourable Sylvia Fedoruk, nuclear medicine pioneer and trailblazer.

The Fedoruk Centre is independently incorporated under the Federal Not-for-profit Corporations Act with the U of S as its sole owner. The Fedoruk Centre adheres to U of S values, policies and practices with respect to management of financial and human resources, while maintaining an arm’s-length separation from both of its key stakeholders, the U of S and Innovation Saskatchewan.

The Fedoruk Centre is located on the beautiful U of S campus (www.usask.ca) in the vibrant and economically booming city of Saskatoon, Saskatchewan’s largest city and one of the sunniest cities in Canada. For more information on Saskatoon, please visit [www.tourismsaskatoon.com](http://www.tourismsaskatoon.com).
Job Profile – Director, Saskatchewan Centre for Cyclotron Sciences

**PRIMARY PURPOSE:** The Director of the Saskatchewan Centre for Cyclotron Sciences is responsible for a) the overall management of a radioisotope facility including production and synthesis of radiopharmaceuticals; and b) developing and leading a sustainable enterprise to maximize the quality and volume of research resulting from cyclotron operations and to optimize commercial income from radioisotope sales.

**NATURE OF WORK:** The Director of the Saskatchewan Centre for Cyclotron Sciences ensures secure production of isotopes and synthesis of radiopharmaceuticals for use in research and medical care and manages all aspects of facility business including safety, financial, human resources, regulatory compliance, radiation safety, and support of researchers and industry partners. The Director develops, and inspires participation in, the Centre’s strategic research vision and liaises with the Fedoruk Research Chairs in Nuclear Imaging at the Universities of Saskatchewan and Regina to create a network of academic and industry experts around the Saskatchewan Centre for Cyclotron Sciences. The Director provides the research leadership to enable Saskatchewan to deliver maximum impacts in a key area of the Fedoruk Centre’s Strategic Plan: ‘Advancing nuclear medicine, instruments and methods’. The Director develops a user community including academia and industry partners, contributing to sustainable operation of the Saskatchewan Centre for Cyclotron Sciences, and develops relationships with isotope distributors and negotiates supply agreements.

To achieve the objectives of the Saskatchewan Centre for Cyclotron Sciences, the Director reports to the Executive Director, works closely with the Fedoruk Centre management team (3 to 4 people), leads a technical team (4 to 6 people), coordinates external advisory committees, and develops and maintains effective relationships with academia, industry partners and stakeholders.

The primary work environment is a radioisotope and radiopharmaceutical facility which operates in compliance with Canadian Nuclear Safety Commission (CNSC) regulations for a class II nuclear facility, Health Canada cGMP and all provincial, federal and internal quality, safety and regulatory requirements. All technical personnel are trained as Nuclear Energy Workers (NEW). While there is exposure to ionizing radiation and potential exposure to radioactive materials in parts of the facility, the radiation exposure per individual personnel is monitored and controlled in compliance with regulatory guidelines.

**ACCOUNTABILITIES:**

- Safety of employees, clients, stakeholders and the general public.
- Oversight of all aspects of production with a focus on quality assurance of radiopharmaceuticals, operational and product safety and compliance with regulatory and safety requirements including CNSC, Health Canada, Federal and Provincial Labour codes, standard operating procedures and internal quality and safety standards.
- Facilitating partnerships with academia and industry to capitalize on opportunities for research, training and innovation associated with the Saskatchewan Centre for Cyclotron Sciences and coordinating activities of Fedoruk Research Chairs and the user community.
- Optimization of commercial income from radioisotope sales.
• Strategic leadership and stewardship of the Saskatchewan Centre for Cyclotron Sciences, including financial, physical and human resources, and application of best practices in risk management ensuring accountability and transparency, regulatory and legal compliance, and long-term growth and sustainability of the Saskatchewan Centre for Cyclotron Sciences.
• Meeting reporting requirements to stakeholders and regulatory bodies, demonstrating positive impacts and progress towards strategic goals established by the Board of Directors.

QUALIFICATIONS:
• Education: A recognized MD and/or PhD in a related scientific discipline (life sciences, engineering or natural sciences). An MBA would be considered an asset. An equivalent, relevant combination of education and experience may be considered.
• Experience: A minimum of 6 years’ experience in a collaborative multi-user cyclotron program, including experience in developing and leading academic and industry research partnerships; with a minimum of 3 years of experience managing a cGMP production facility regulated by Health Canada and the CNSC.
• Skills and knowledge:
  o Extensive knowledge in:
    ▪ Positron Emitting Radionuclides (PERs) and general knowledge in Positron Emitting Tomography (PET);
    ▪ cGMP for pharmaceutical production and quality assurance;
    ▪ Cyclotron technology and associated equipment (synthesis units, hot cells, quality control systems etc.) and applications of radioisotopes in research and health care; and
    ▪ The Canadian radioisotope market.
  o The demonstrated ability to:
    ▪ Build a shared, compelling and credible vision of the future, influencing people to ensure outcomes that support achieving the vision;
    ▪ Initiate, implement and support innovation and institutional change and enhance programs and services;
    ▪ Focus on results and completing objectives within the framework defined by the institution’s plans and policies;
    ▪ Reflect, clarify and commit to what is important, take responsibility for growth and development, and contribute to positive and productive work and learning environments;
    ▪ To convey information and ideas to individuals in a manner that engages the audience and helps them understand, retain and respond to the message; and
    ▪ Develop the rapport necessary to build, maintain and strengthen partnerships and relationships both inside and outside of the Fedoruk Centre.
**SALARY INFORMATION:** Depending on qualifications, the salary range is $125,000 to 175,000 per annum plus a comprehensive benefits package including pension plan, life insurance (compulsory and voluntary), long term disability, sick leave, dental plan, extended health and vision care plan, travel insurance, employee assistance program, and relocation assistance.

For qualified candidates, an academic appointment with the University of Saskatchewan may be discussed.

This position is not within any collective bargaining unit.

**How to apply**

Submit a covering letter and curriculum vitae in PDF format by email to contact.us@fedorukcentre.ca. **Subject Line:** Director, Saskatchewan Centre for Cyclotron Sciences; [your name]

Screening of applications is expected to begin by February 1, 2015. Applications will be accepted until the position is filled. While the Fedoruk Centre thanks all applicants for their interest, only short-listed candidates will be contacted.

Inquiries regarding this position may be directed to:

**Marci Main, Operations Manager**
Sylvia Fedoruk Canadian Centre for Nuclear Innovation Inc.
Phone: 306-966-3377; Email: marci.main@fedorukcentre.ca
Website: www.fedorukcentre.ca

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_The Fedoruk Centre is committed to a diverse and inclusive workplace. All qualified candidates are encouraged to apply; however, Canadian citizens and permanent residents will be given priority._