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The Saskatchewan Centre for Cyclotron Sciences: Developing a multi-use cyclotron facility

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The Sylvia Fedoruk Canadian Centre for Nuclear Innovation (Fedoruk Centre) is in the process of commissioning the Saskatchewan Centre for Cyclotron Sciences as a multidisciplinary research and commercial radiopharmaceutical production facility. At the heart of the facility is a multipurpose 24 MeV cyclotron capable of producing a number of radioisotopes for use in research in humans, animals and plants as well as to supply clinical needs for PET-CT scans. Envisioned as a user facility, the Saskatchewan Centre for Cyclotron Sciences enables the growth of the nuclear imaging research community in Saskatchewan and beyond in fields ranging from the development of novel molecular imaging probes to detector design. This paper provides an overview of the vision and structure of the Saskatchewan Centre for Cyclotron Sciences and outlines the opportunities for research collaboration provided by the facility and the Fedoruk Centre.

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