OPPORTUNITY PROFILE
Chief Science Officer
About Canadian Light Source

www.lightsource.ca

We acknowledge we are on Treaty Six territory and the traditional homeland of the Métis. We pay our respects to the First Nations and Métis ancestors of this place and reaffirm our relationship with one another.

The Canadian Light Source (CLS) is a national research facility of the University of Saskatchewan, serving national and international users from academia, industry, and government institutions. CLS is the only synchrotron in Canada and one of the largest scientific infrastructure investments in the country’s history.

Since the start of operations in 2005, CLS has enabled 6000 scientists from 57 Canadian academic institutions and 46 countries to publish over 7,000 scientific papers, highlighting discoveries in a wide variety of fields, in over 1,200 international scientific collaborations.

From helping in the fight against COVID-19 to creating new cancer-fighting drugs, developing more nutritious and climate-resistant crops and supporting clean-tech and green mining processes, CLS’s infrastructure and experts help researchers solve problems, train the next generation of scientists, and support industries to become more efficient and sustainable.
VISION
As a valued Canadian voice for innovation, our leadership and world-class talent achieve excellence in light source services and solutions.

MISSION
We enable science, learning, and socio-economic benefits through the provision of synchrotron light.

VALUES
- **Safety:** We make safety paramount.
- **Innovation:** We expand the boundaries of what is possible.
- **Leadership:** We are leaders in light source applications, global science, and organizational excellence.
- **Collaboration:** We enable collaboration among users, and sectors across academia, industry, and government.
- **Equity, Diversity, and Inclusion:** We are committed to equity, diversity and inclusion.
- **Accountability:** We utilize resources responsibly and hold ourselves to the highest standards of ethics and integrity.
The Role: Chief Science Officer

The Chief Science Officer (CSO) will be a scientific leader who will drive innovation, scientific vision, partnerships, and provide organizational leadership. The CSO works closely with the CEO and the CLS leadership team to manage, guide, and build relationships - nationally and internationally - in order to secure funding, sustain growth, and ensure success. The CSO drives organizational impact as a world-leading synchrotron and leads the development and implementation of CLS’s science strategy.

The CSO oversees the Science Division, including the Industry Services group and its range of services, from purchased access to comprehensive experimental design, execution, and analysis.

The CSO ensures CLS’s scientific experimental facilities, programs, and initiatives are globally competitive with significant developments in related technology and are competitive with third-generation synchrotron facilities worldwide. The CSO is an influential voice in the Canadian science policy and innovation ecosystem.

Nature of the Work

The CSO leads the development and implementation of CLS’s strategic science planning, determining, and developing the scope of services offered by CLS to academic and industrial users, and sustaining and enhancing the quality of services and capabilities of CLS.
In collaboration with the CEO and Executive Management, the CSO motivates and leads a high-performance scientific management team, ensuring that all systems, processes, and personnel required to design, build, commission, and operate globally competitive beamlines are aligned with the strategic plan. The CSO leads collaborations with national and international scientific and academic institutions in order to develop, expand, and publish scientific discoveries and innovations in synchrotron science and related fields. They will encourage, promote, and support technology transfer to maximize the socio-economic benefits to Canada of the investments in CLS. They will strengthen business partnerships and innovation to connect CLS research capacity to economic opportunities and growth.

The CSO leads relations with universities and partner institutions and works with the CLS external Science Advisory and User Executive Committees, to foster research and development efforts in synchrotron science and related fields of study. The CSO manages the peer review process within the CLS. They also liaise with federal departments and funding agencies such as NSERC, NRC, and CIHR regarding academic use of facilities.

The CSO oversees all aspects of beamline operations as well as the development, implementation, and review of policies and procedures, including those relating to CLS intellectual property connected to research activity. The CSO implements approved budgets, monitors expenses, develops projections for operational expenditures, and prepares detailed progress reports on beamline operations, scientific results of users, as well as in-house research. They ensure appropriate staffing for science operations and handle employee relations matters, including performance management, addressing complaints, resolving problems, and taking corrective action when necessary. The CSO oversees the review of resource requirements, the development of replacement-upgrade programs, and new photon beamlines that are consistent with the CLS mission.
The Person

- A relevant Ph.D. in a scientific discipline, with a minimum of 10 years of relevant scientific experience, most recently in a senior leadership role.
- Familiarity with synchrotron science and/or experience working in a comparable research facility would be considered an asset.
- Targeted candidates will come from University, Government or a private research institute. The term appointment could involve a secondment arrangement from an institution such as a University.
- Displays exceptional interpersonal and communication skills.

Accountabilities

- Increasing awareness of services and value of CLS with funders, stakeholders and users.
- Maximize beamline performance.
- Enhancing industrial engagement, education, and outreach.
- Expanding usership and service provision.
- Reinforcing our performance culture.
- Enriching our team.
- Aligning leadership and strategy.
- Enhancing governance processes.

Saskatoon, Saskatchewan

Saskatoon is a growing, thriving community, graced with the vibrant beauty of nature. The largest city in Saskatchewan, with a population just over 266,000, people choose Saskatoon as their place to live, work, and raise a family for a variety of reasons. Situated in the South Saskatchewan River Valley, and surrounded by farmland, it is in a central, beautiful part of the province. Divided by the winding South Saskatchewan River, Saskatoon’s east and west face are joined by a series of bridges lined with several kilometres of trails to jog, walk, and explore. The City has a young demographic that welcomes people from all over Canada and the world, resulting in a diverse, multicultural city with over half the population under 40. Saskatoon has a strong, diversified economy with a wealth of resources in various
industries including agriculture, potash, oil, and uranium. Newer opportunities have emerged in crop science and renewable energy, research, and technology.

- Saskatoon provides convenient amenities of a larger city, set in a beautiful natural setting.
- Saskatoon sits on the banks of the South Saskatchewan River and is surrounded by parks and green spaces.
- Saskatoon is one of the sunnier places in Canada, often with a giant blue sky overhead. Summer temperatures range from 20°C to 35°C, winters from 5°C to -30°C.
- Saskatoon enjoys one of the lowest costs of living among major cities in Canada, combined with low unemployment and a growing economy.
- Home to John G. Diefenbaker International Airport with flights from cities in Canada and North America.
- For more information on Saskatoon visit City of Saskatoon and Tourism Saskatoon.

**Express Your Enthusiasm**

Please email a convincing cover letter and tailored resume (PDF or Word document only) to John Dugdale or Laura Youngberg at calgary@leadersinternational.com indicating the job title in the subject line of the email.

Leaders International Executive Search
www.leadersinternational.com