

# Canadian Light Source (CLS) Tour

Wednesday, Sept 27, 9:30am to 4:30pm



This is a unique opportunity to see the Canadian Light Source research facility. The CLS in Saskatoon is the only synchrotron in Canada and is one of the largest scientific infrastructure investments in our country's history. The CLS employs more than 250 people including scientists, engineers, technicians and administrative and business personnel.

A synchrotron light source produces extremely bright light by using powerful magnets and radio frequency waves to accelerate electrons to nearly the speed of light. This infra-red, ultraviolet and X-ray light shines down beamlines to experimental stations where scientists can select different parts of the spectrum to "see" the microscopic nature of matter, right down to the level of the atom.

Since the start of operations in 2005, CLS has enabled over 5,000 scientists from 56 Canadian academic institutions and 45 countries, to publish over 6,000 scientific papers, highlighting discoveries in a wide variety of fields in over 1,000 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.

The Canada Foundation for Innovation, Natural Sciences and Engineering Research Council, Canadian Institutes of Health Research, the Government of Saskatchewan and the University of Saskatchewan fund the CLS's operations.

**Tour includes:** Pickup and drop off at the Regina Delta.

Travel to and from Saskatoon by bus to the CLS facility.

**Date/Time:** Wednesday 27 Sept, 9:30am – 4:30pm (approx.)

**Cost:** \$65

**Food:** Includes box lunch – Please specify any dietary restrictions on the note at registration.

**Registration Required through EDAS:** <https://edas.info/registerPerson.php?c=30749>