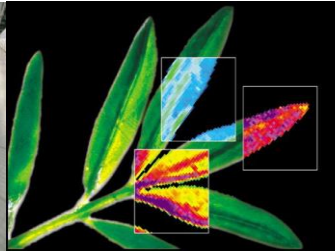
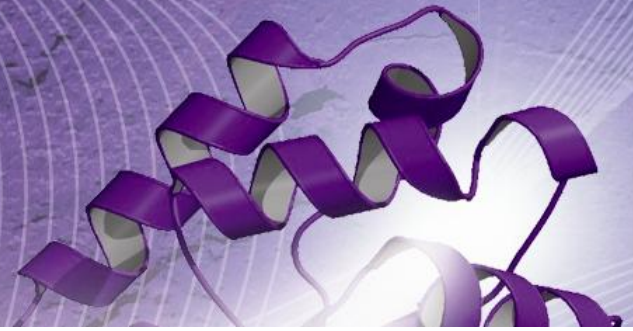




Canadian
Light
Source

Centre canadien
de rayonnement
synchrotron



Canadian Light Source

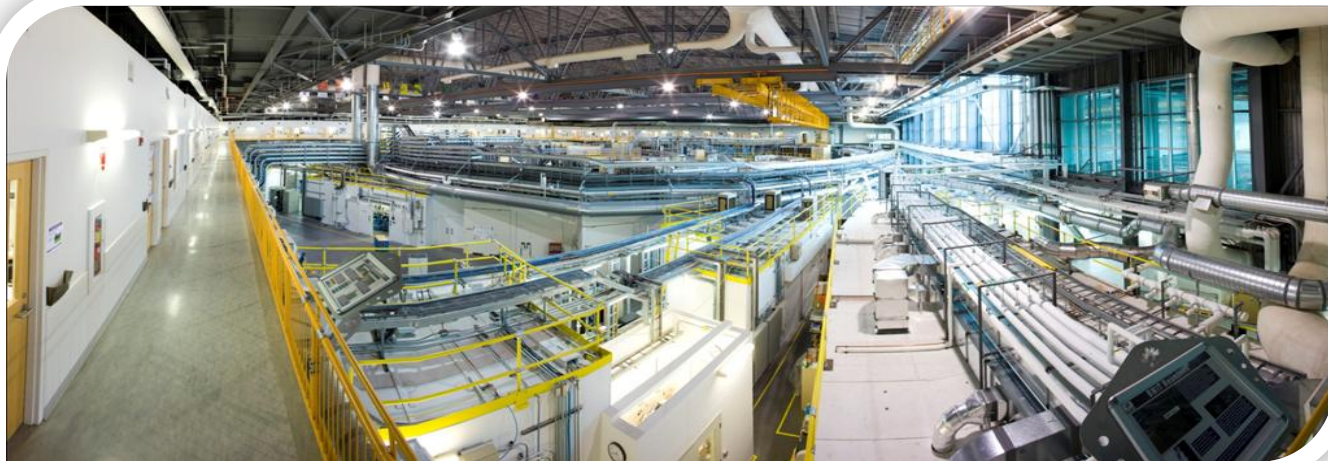
National Synchrotron Light Facility

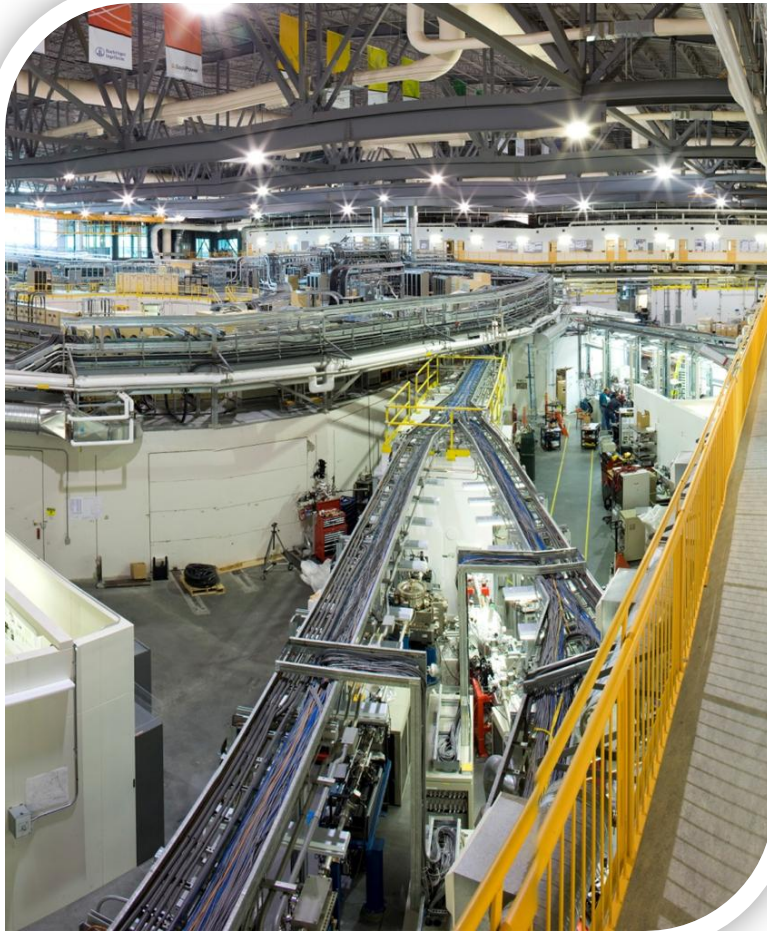
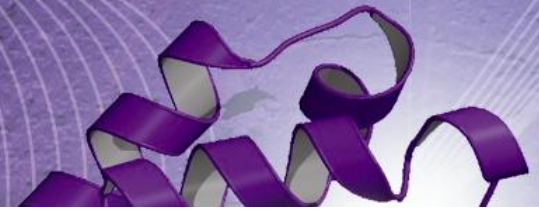
www.lightsource.ca

- ✿ The Canadian Light Source is a third generation 2.9 GeV facility
- ✿ 14 beamlines are currently available, covering the spectral range from the far-infrared to 100 keV hard X-rays.

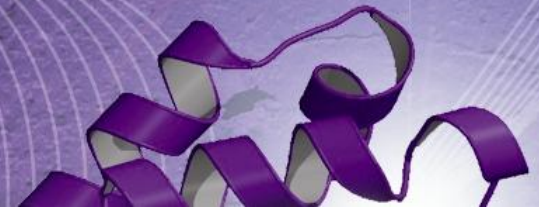


- ✿ A suite of two fully operational undulator-based vacuum ultraviolet / soft X-ray beamlines, covering 5 eV to 2000 eV with high flux and high resolution.
- ✿ X-ray absorption spectroscopy, photoemission and X-ray excited optical luminescence techniques, with multiple solid-state and gas-phase endstations.
- ✿ Innovative approach to industrial research, including full service capability, with dedicated science support and rapid access to beam time.

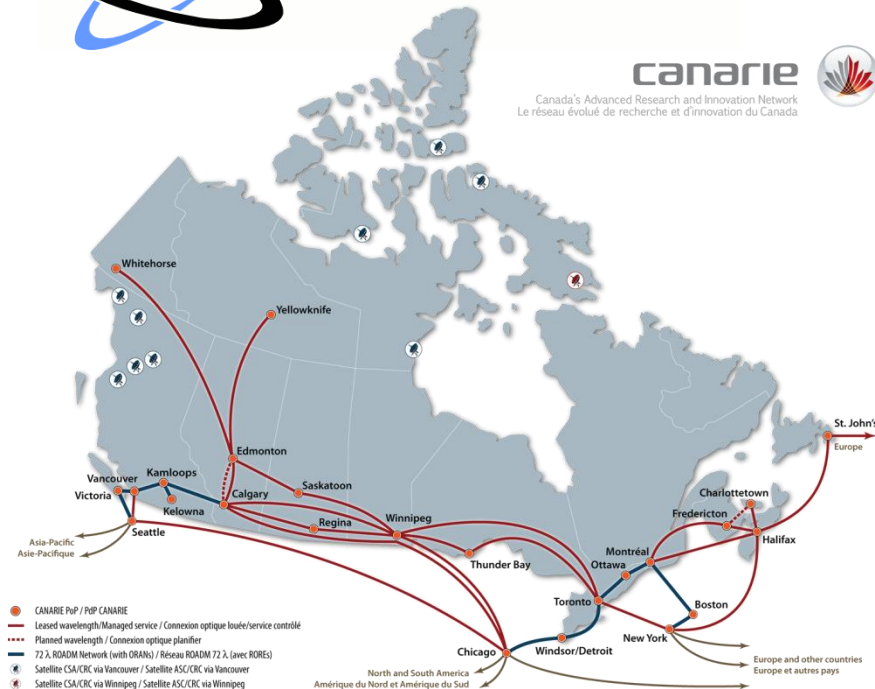




- ❁ Dedicated scanning transmission X-ray microscopy /photoemission electron microscopy beamline with high spatial and energy resolution, and full photon polarization control
- ❁ New undulator-based soft X-ray resonant elastic/inelastic scattering and X-ray emission spectroscopy beamline now open to general users.
- ❁ Hard X-ray capabilities include micro-X-ray fluorescence and micro-diffraction
- ❁ Hard X-ray photoemission is under development.



- CLS is connected to the CA4-net dedicated high bandwidth research network
- CLS is part of the academic-industrial-research collaboration developing Science Studio
- Enables remote beamline access, experimental management and virtual collaboration in a web-based environment





Welcome

Enjoy the conference

