Department of physique, génie physique et optique
Canada Research Chairs Competition
Call for External Applications

The Department of physique, génie physique et optique of the Faculty of Science and Engineering at Laval University (Quebec City, Canada) solicits applications for submission to a competition for NSERC Canada Research Chairs (tier 1 and tier 2).

The Astrophysics Research Group at Laval University seeks applications from exceptional candidates, satisfying the Canada Research Chair program requirements, for a faculty position in astrophysics. Candidates must: 1) demonstrate expertise in research areas that already match the current research interests of the Group; 2) promote an independent research program by securing funding (e.g. through NSERC) already during the first year, while collaborating with the Group members; 3) enhance the quality of the Group research activities at all levels, ranging from recruiting and supervising graduate students to promoting its international visibility; and 4) be implicated in the various activities of the Department and the University. In particular, the candidate will be expected to teach in French during the years following its appointment.

The Group is currently composed of 5 research faculty members (Laurent Drissen, Gilles Joncas, Hugo Martel, Carmelle Robert, and Simon Thibault), 2 postdoctoral researchers, and a dozen graduate students. The research activities focus mostly on the area of star formation through the visible and radio studies of:
- physical processes in the interstellar medium;
- stellar feedback (stellar winds from massive stars, supernova remnants, planetary nebulae);
- young stellar populations in nearby galaxies (HII regions, population synthesis, chemical enrichment, dynamics);
- galaxies and cosmology (formation and evolution of galaxies, intergalactic medium, simulations), and
- astronomical instrumentation (SITELLE...).

Astrophysicists at Laval University enjoy a privileged access to various Canadian observatories: the Canada-France-Hawaii Telescope, Gemini, ALMA, SKA, UVIT, etc., as well as the institutional 1.6m telescope of the Observatoire du Mont-Mégantic and the supercomputers of Compute Canada. Four of the Group senior members are among the principal investigators of the SIGNALS project, which was awarded 55 nights of guaranteed observing time for the next three years with the imaging spectrometer SITELLE at the Canada-France-Hawaii Telescope, for the study of 40 nearby galaxies. The Group is also a major component of the Center for Research in Astrophysics of Québec, allowing exchanges with more than 30 researchers and regular visitors from various areas of astrophysics.

University's commitment to equity, diversity and inclusion
Laval University promotes excellence in research and research training and ensures equal opportunities for all candidates in accordance with its recruitment policies, including the "Access Equality of Employment Program".

For the University, excellence and equity are compatible and complementary. For example, Laval University has defined its Equity, Diversity and Inclusion Action Plan to increase the representation of women, Aboriginal people, people with disabilities and those belonging to visible minorities in Canada Research Chair (CRC) positions at our institution.
As a result, this competition is open to all nominations, including those from minority groups i.e., women, Aboriginal peoples, persons with disabilities and persons belonging to visible minorities. However, due to the underrepresentation of persons belonging to visible minorities and persons with disabilities, priority will be given to applications from individuals who identify themselves as belonging to one or both of these groups and with a comparable level of excellence.

**Required profile**

The Canada Research Chairs Program (CRC) aims to attract and retain some of the most accomplished and promising researchers in the world.

For **Tier 1 Research Chairs**, applicants are outstanding researchers, recognized by their peers as world leaders in their field. They must provide an original, innovative research program of the highest quality and have skills in teaching and supervising graduate students.

For **Tier 2 Research Chairs**, applicants are new investigators, recognized by their peers for their potential or achievements in their field. They must offer a promising and innovative research program as well as demonstrate interest and competency in teaching. They must have been active in their field for less than 10 years at the time of the nomination.

Candidates who obtained their most advanced degree more than 10 years ago (and whose career has been interrupted for reasons mentioned below) may have their eligibility to a Tier 2 Chair evaluated according to the CRC Program. For more information, please contact Jean-Philippe Marquis (jean-philippe.marquis@vrr.ulaval.ca) at the Office of the Vice Rector of Research, Creation, and Innovation (VRRCI) at Laval University.

**Career interruptions and delays**

To respect its commitments in terms of diversity and equity, Laval University recognizes that career interruptions like parental leave, medical leave, clinical training, health-related family issues or handicaps can have adverse effects on productivity and research accomplishments. Candidates are therefore encouraged to mention these aspects in their letter of intent, when applicable.

Furthermore, within the scope of this call for applications, conciliation measures can be confidentially offered to people living with a handicap. If you require such a conciliation measure, please contact the person in charge of equity, diversity and inclusion considerations at the Faculty of Science and Engineering, Patrice Bouchard at Patrice.Bouchard@fsg.ulaval.ca, Tel.: 418-656-2131 ext. 406543.

**Submission of the documents**

- A CRC curriculum vitae which has two sections, namely
  - The CRC CV form.
  - The CRC CV annex as required on pages 4 to 7 in the CRC CV form.
- A description of the research program (3 to 6 pages) as requested in sections 2a to 2f of the CRC nomination form.
Deadline for reception of applications by the Department
All documents must be received no later than June 3 2019 at directeur@phy.ulaval.ca. Any interested individual must inform the director at the previous address as soon as possible if they intend to apply.

Additional information
Applications selected by the Department of physique, génie physique et optique must successfully pass an internal selection at Laval University (preselection of the Faculty of Science and Engineering and selection by the institutional committee) and evaluation by the Canada Research Chair. Applications will be evaluated according to the following criteria: quality of the chair holder, quality of the research program, structuring effect, and commitment of the community.