

4 MAJOR COMMUNITY-BUILDING INITIATIVES



INSTITUT NORDIQUE DU QUÉBEC

Institut nordique du Québec, the result of an unprecedented partnership between Université Laval, McGill University, and Institut national de la recherche scientifique, is a hub for Québec's best talent in northern and Arctic research. This intersectoral and inter-institutional institute brings together 11 university research centres, numerous public and private sector partners, and the Indigenous communities of northern Québec.

inq.ulaval.ca



ALLIANCE SANTÉ QUÉBEC

Université Laval is the centrepiece of Alliance santé Québec, an organization that brings together major health-care institutions, university faculties, and a regional development agency. The Alliance was established at the impetus of UL in 2013 to boost the Québec City area's performance in research and innovation and optimize the impact of research on health and well-being from a sustainable health perspective.

alliancesantequebec.com



SENTINEL NORTH

In 2015, Université Laval received its largest-ever research grant—\$98 million over 7 years—to implement a cross-sectoral northern research program complete with the establishment of new research chairs, international joint research units, a PhD program, a graduate scholarship and internship program, international schools, a technological instrument development platform, and a knowledge mobilization plan.

ulaval.ca/sentinelle-nord



ALLIANCE CULTURE + NUMÉRIQUE

Alliance culture+numérique brings together individuals, organizations, and businesses interested in developing and participating in projects and initiatives that blend culture and digital technology. The Alliance forges links between teaching, research, culture, and digital technology to facilitate the sharing of expertise and resources and energize the Québec City region.

allianceculturenumerique.org

RESEARCH AND INNOVATION AT UNIVERSITÉ LAVAL

Université Laval, one of Canada's leading research universities, proudly upholds a tradition of excellence dating back to its founding in 1852. Characterized by openness, innovation, and faculty engagement, UL pushes the frontiers of knowledge in numerous fields of study.

A DRIVING FORCE FOR RESEARCH

Université Laval has been one of Canada's top universities for over ten years running. With \$356 million in research funding, it ranks 8th among the 50 leading research universities in the country.

(Ref.: Research Infosource 2017)

IN 2017-2018

206

Portfolio
of chairs

4

Canada Excellence
Research Chairs

586

international
partnerships

4,100

More than
4,100 active
research projects

43,000

students
(26% at the graduate level)
2,197 master's degrees and
345 PhDs awarded

1,620

faculty member
1,500 of whom receive
research funding



SOME OF THE MOST GENEROUSLY FUNDED RESEARCH CHAIRS IN THE WORLD

The Canada Excellence Research Chairs (CERC) program was created to support research and innovation at Canadian universities. It provides up to \$10 million in funding over seven years so that world-renowned researchers can establish ambitious research programs. Few Canadian universities have CERC chairs, and even fewer have two; Université Laval has four.

- > CERC in Remote Sensing of Canada’s New Arctic Frontier
- > CERC in Photonic Innovations
- > CERC in Neurophotonics
- > CERC in the Microbiome-Endocannabinoidome Axis in Metabolic Health

A COLLABORATIVE CROSS-SECTORAL APPROACH

Université Laval’s 2015–2020 Research Development Plan builds on the strengths of UL researchers and their ability to innovate within the framework of cross-sectoral partnerships. UL researchers are working to:

- > Promote sustainable health and well-being
- > Explain how humans develop in their environment
- > Understand societies, their cultures, and their arts
- > Model smart communities and invent their technologies and logistics
- > Manage and develop natural resources in a responsible manner
- > Consolidate and develop northern sustainability
- > Engage actively in ethics, sound governance, and social organization



THE FIRST VOLUNTARILY CARBON NEUTRAL UNIVERSITY IN CANADA

AN INNOVATION-FRIENDLY INSTITUTION

With its 17 faculties and 277 research structures, Université Laval is a comprehensive university offering an environment that stimulates innovation in the health sciences, natural sciences and engineering, human and social sciences, and the arts.



STRUCTURES AND INFRASTRUCTURES (JUNE 2018)

- > 40 research centres recognized by the University Council
- > 3 affiliated research centres
- > 11 institutes
- > 206 research and teaching chairs
- > 5 associated international laboratories
- > 4 international joint units
- > 2 joint research units
- > 50 strategic groups funded by Fonds de recherche du Québec
- > Forêt Montmorency, the largest teaching and research forest in the world (412 km²), certified by the Forest Stewardship Council
- > Host institution for ArcticNet, the most generously funded network of centres of excellence in Canada (\$114 million)
- > Partner to 14 other networks of centres of excellence
- > Scientific leadership of the NGCC Amundsen (65 scientific systems and 22 labs on board)

KNOWLEDGE TRANSFER AND COMMERCIALIZATION (JUNE 2018)

- > 15 recent awards for innovations resulting from industry research partnerships
- > Québec member of the Canadian government’s Centres of Excellence for Commercialization and Research (CECR) program in the field of natural products
- > 1 research development corporation, SOVAR
- > \$215,000 in Fonds de soutien à l’innovation sociale grants for 18 outstanding projects
- > 18 outstanding partnership initiatives honoured for their contribution to social innovation
- > 198 active licences
- > 192 patented technological innovations; 106 copyrighted original works; 53 biological materials and noteworthy varieties
- > 551 active or pending patents
- > 54 spinoff companies over the past 20 years, 20 of which are still in operation

THE POWER OF PARTNERSHIPS

Université Laval has a history of forging ties with the private and public sectors to facilitate the transfer of social and technological innovations to the broader community. UL’s numerous partnership chairs testify to its capacity to innovate in a context of openness, exchange, and collaboration.



CHAIRS AS OF JUNE 2018

4

Canada Excellence Research Chairs

76

partnership research chairs

82

Canada Research Chairs

46

educational leadership chairs

7

Sentinel North research chairs

A SUSTAINABLE VISION

Sustainable development is a core focus of 58% of our research chairs, centres, institutes, and groups.