UBC Vancouver
ACADEMIC CALENDAR
2019/20

www.calendar.ubc.ca/vancouver
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Introduction

UBC has a long-standing tradition of excellence in research in many fields, and is committed to supporting discipline-based traditions of inquiry, while fostering interdisciplinary initiatives that allow research groups to pursue and explore new avenues through collaboration.

Not all research units, centres, and institutes are currently listed in the Calendar. Please refer to UBC Research (http://www.research.ubc.ca) or individual faculties for further listings of research activities at UBC.

Vice-President Research and Innovation

Vice-President Research and Innovation > Overview

Dr. Gail Murphy, Vice-President Research and Innovation

The Office of the Vice-President, Research and Innovation, and its portfolio units are the support hub for UBC’s top-ranked research and innovation activities.

We work in partnership with the Okanagan campus to uphold UBC’s reputation as a Top-40 research institution. We provide UBC researchers with strategic information, resources and tools to support their work from grant-writing through to publicity. We also provide strategy for major research initiatives and support the development of the InnovationUBC network.

This portfolio has a wide range of administrative functions that are both internal and external to the University, including:

- championing and advocating for research among UBC’s internal and external communities;
- fostering collaborations in research, creative, scholarly, and professional activities among scholars in various fields at and beyond UBC;
- supporting an environment that ensures all faculties, schools, colleges, and libraries will receive efficient support services relating to research administration and information on funding sources, grant procedures, and other relevant matters;
- establishing and maintaining effective liaison with agencies and institutions such as national funding agencies, peer research institutions and foundations, and local health authorities, as well as with partners in industry, government, academia, and the community;
- promoting knowledge mobilization (including technology transfer) and overseeing the management of intellectual property issues;
- promoting and ensuring ethical research practices;
- supporting the InnovationUBC network, which fosters entrepreneurial learning, and partners with industry and the broader community to transform research into new products, policies and practices that improve lives around the world.

Reporting units under the direction of the Vice-President Research and Innovation include:

- Advanced Research Computing
- Animal Care Services
- entrepreneurship @ UBC
- Indigenous Peoples Collaborative Research Support Unit
- Institutional Programs Office – Canadian Foundation for Innovation / BC Knowledge Development Fund / Western Economic Diversification
- Office of Corporate Relations
- Office of Research Ethics
- Office of Research Services
- Peter Wall Institute for Advanced Studies
- Research Finance
- Sequencing + Bioinformatics Consortium
In addition, a number of regulatory committees fall within the mandate of the Vice-President Research and Innovation: the Animal Care Committee, Biosafety, and Chemical Safety Committees, the Behavioural and Clinical Research Ethics Boards, and the Radiation and Radioisotopes Screening Committee.

For more information please visit the Office of the Vice-President Research and Innovation at research.ubc.ca (http://research.ubc.ca) or contact us at research.info@ubc.ca.

**Vice-President Research and Innovation > Animal Care Services**

Together with UBC’s Animal Care Committee, Animal Care Services provides services in support of the UBC Animal Care and Use Program including research support, veterinary services, compliance, training, procurement, animal housing, technical services and administrative support.

The University complies with national and institutional standards of animal care set by the Canadian Council on Animal Care

For general information about animal research at UBC, visit www.animalresearch.ubc.ca (http://www.animalresearch.ubc.ca).

**Vice-President Research and Innovation > Support Programs to Advance Research Capacity (SPARC)**

The SPARC Office (http://www.sparc.ubc.ca/sparc) provides expert strategic support to UBC researchers in all disciplines who seek funding for innovative research disciplines. The professional staff in SPARC help to develop research partnerships and build interdisciplinary, inter-institutional teams that may involve government, the private sector, (NGO's), and the community.

SPARC's services include meeting with Principal Investigators (PIs), Internal Review of grant applications, strategic workshops, and brokering team development and partnerships with government, industry and consumer groups. SPARC's unique programs are tailored to meet the needs of researchers and to respond to emerging mandates and priorities of external funding agencies.

SPARC assists researchers in all disciplines and at all UBC locations.

SPARC Office
Room 101, Technology Enterprise Facility
6190 Agronomy Road
Vancouver, BC V6T 1Z3
Tel: 604.822.9955

**Vice-President Research and Innovation > Office of Research Services**

The Office of Research Services (http://www.ors.ubc.ca/home) (ORS) serves a dual role in the area of research funding: service to researchers, and responsibility to the University for the application of policies and procedures.

Services include: maintaining a website providing research funding information (e.g., grant-competition deadline dates, application form templates and guidelines); departmental presentations by ORS staff, and organization of presentations by granting agency representatives; development and implementation of the Researcher Information Service (RISe) allowing researchers to interact via the web with all ORS services.

The Office processes all grant applications and awarded funds, establishes project grants (PGs) for funding from non-profit and government agencies, and administers fund transfers to/from UBC. The Office also provides the secretariat and management for the review of research.
involving animals, and biohazardous materials.

The responsibilities of ORS to the University include: the vetting of signatures on grant applications and final approval on behalf of the University; compliance with UBC policies and external funding agency requirements/conditions; the administration of procedures for review of projects involving animals, and biological hazards; the maintenance of databases of applications; funded research; reviews of projects involving animals, and biological hazards; and the production of reports and statistics on research funding.

Vice-President Research and Innovation > Peter Wall Institute for Advanced Studies

The Peter Wall Institute for Advanced Studies was established in 1991 to support fundamental, interdisciplinary research and creative activities that have the potential to result in significant advances to knowledge.

Vice-President Research and Innovation > UBC Press

Since its founding in 1971, UBC Press (Calendar page: http://www.calendar.ubc.ca/vancouver/index.cfm?tree=6,315,0,0#24051) has become a nationally and internationally recognized leader in scholarly book publishing. Through innovation, resourcefulness, and a commitment to the highest professional standards it seeks to advance knowledge, contribute to the community of scholarship, and engage society.

Vice-President Research and Innovation > University-Industry Liaison Office

The University-Industry Liaison Office (http://www.uilo.ubc.ca) (UILO) facilitates industry, government and not-for-profit interactions with the research enterprise of UBC and its affiliated teaching hospitals. This engagement takes many forms, including collaborative research partnerships and the commercialization of discoveries and inventions made by UBC researchers. The outstanding work of UBC researchers impacts local, national, and global communities in the form of new medicines, technologies, and public policy.

UBC is one of Canada's top research universities. In the 2014/2015 fiscal year, UBC received $531 million in external research funding that supported 8,278 research projects and lead to 140 invention disclosures and the creation of 8 new start-up companies. UBC received $65 million in research funding from industry partners, supporting more than 1,000 projects. It is the UILO's responsibility to evaluate new disclosures, patent promising technologies, and identify partners who can bring these new technologies to market. Our partners include Provincial and Federal agencies, multinational and Canadian companies, with special emphasis on the creation of local start-up companies.

UILO activities include:

- negotiating and managing sponsored research agreements with industry, government and not-for-profit agencies;
- matching industry requests for assistance with UBC researchers and UBC technologies;
- assessing research discoveries for competitive advantages in rapidly changing technology marketplaces;
- protecting UBC's intellectual property assets where appropriate;
- licensing UBC research discoveries; and
- fostering the creation, development, and early success of start-up companies formed around UBC technologies.

Centres

Biodiversity Research Centre

Faculty of Science

The Biodiversity Research Centre is concerned with all aspects of biodiversity research. Faculty members and their students from various departments are cooperating to investigate the measurement of biological diversity, the role of biodiversity in ecosystem function, the origins of biodiversity, factors endangering biodiversity, uses of biological diversity, and the many aspects of biodiversity conservation.

biodiversity.ubc.ca/research (http://biodiversity.ubc.ca/research)
Blood Research, Centre for

*Faculty of Medicine*

The Centre for Blood Research is a multi-disciplinary biomedical research institute, situated primarily at the University of British Columbia and affiliated teaching hospitals, with nodes at the University of Northern British Columbia and at the University of Victoria.

cbr.ubc.ca (http://cbr.ubc.ca)

Canadian Centre for the Culture of Microorganisms

*Faculty of Science*

The Canadian Centre for the Culture of Microorganisms maintains living specimens of marine phytoplankton, freshwater microalgae, and fungal isolates for research, teaching, and commercial use.

botany.ubc.ca/ccc (http://www3.botany.ubc.ca/ccc/)

Clean Energy Research Centre

*Faculty of Applied Science*

The Clean Energy Research Centre fosters collaborative research on energy fundamentals and applications with potential to improve the environment and reduce climate change. Its mission is to perform world-class energy research that will help Canada and the world build a sustainable future.

cerc.ubc.ca (http://cerc.ubc.ca)

Djavad Mowafaghian Centre for Brain Health

*Faculty of Medicine*

The Djavad Mowafaghian Centre for Brain Health is a partnership between Vancouver Coastal Health and the UBC Faculty of Medicine, which brings together experts in the fields of neuroscience, neurology, and psychiatry in a hub for training, research, and clinical care.

centreforbrainhealth.ca (http://centreforbrainhealth.ca)

Hip Health and Mobility, Centre for

*Faculty of Medicine*

The Centre for Hip Health and Mobility (CHHM) is a University of British Columbia affiliated, internationally recognized research centre focused on developing novel strategies that promote physically active choices that positively influence mobility.

hiphealth.ca (http://hiphealth.ca)

Human Settlements, Centre for

*Faculty of Applied Science*

The Centre for Human Settlements, a unit within the School of Community and Regional Planning (SCARP), involves faculty and student
associates from various departments at UBC in multi-disciplinary research and capacity-building programs related to regional, urban, and community development.

[chs.ubc.ca](http://chs.ubc.ca)

**Indigenous Health, Centre for Excellence in**

*Faculty of Medicine*

The Centre for Excellence in Indigenous Health was established to act as a single coordinating point for Indigenous health initiatives within UBC and a contact for Aboriginal communities and organisations external to UBC.

[health.aboriginal.ubc.ca](http://health.aboriginal.ubc.ca)

**Innovative Data in Economics Research (CIDER), Centre for**

*Vancouver School of Economics*

The Centre for Innovative Data in Economics Research (CIDER) fosters innovative data-intensive research centred on economics and related fields. Located in the Vancouver School of Economics, CIDER creates and supports new and unique opportunities for faculty and students to engage in new uses of data to uncover insights about the economy and society.


**Intercultural Language Studies, Centre for**

*Faculty of Education*

The mission of the Centre for Intercultural Language Studies (CILS) is to facilitate, coordinate, enhance, and promote the study of intercultural communication and the teaching and learning of languages in an intercultural context.

[cils.educ.ubc.ca](http://cils.educ.ubc.ca)

**International Canadian Studies Centre**

*Faculty of Arts*

The International Canadian Studies Centre seeks to collaborate with Canadian Studies programs around the world through international symposia, conferences, and research consortia, as well as by assisting visiting scholars.

[canadianstudies.ubc.ca](http://canadianstudies.ubc.ca)

**International Centre for Criminal Law Reform and Criminal Justice Policy**

*Peter A. Allard School of Law*

The ICCLR promotes the rule of law, democracy, human rights, and good governance in criminal law and the administration of criminal justice, domestically, regionally and globally. ICCLR is a joint initiative of the Government of Canada, University of British Columbia, Simon Fraser University, the International Society for the Reform of Criminal Law, and the Province of British Columbia.

[icclr.law.ubc.ca](http://icclr.law.ubc.ca)

**Centre for Heart Lung Innovation**
Faculty of Medicine

The Centre for Heart Lung Innovation is a world-class research centre where basic and clinician scientists work together in a unique synergistic environment to advance translational research in heart and lung disease.

hli.ubc.ca (http://www.hli.ubc.ca)

Media and Graphics Interdisciplinary Centre

Faculty of Applied Science

The Media and Graphics Interdisciplinary Centre (MAGIC) fosters research in media technology that will support economic development in the Province of British Columbia. These goals are achieved through training of highly qualified personnel and transfer of knowledge and technology for media, graphics, visualization, human-computer interaction and communication technologies to the community.

magic.ubc.ca (http://magic.ubc.ca)

Molecular Medicine & Therapeutics, Centre for

Faculty of Medicine

The Centre for Molecular Medicine and Therapeutics is dedicated to unravelling and solving the many genetic questions surrounding human illness and well-being, and finding novel approaches to treatment and prevention that can overcome the causes of illness.

cmmt.ubc.ca (http://cmmt.ubc.ca)

Operations Excellence, Centre for

Faculty of Commerce and Business Administration

The Centre for Operations Excellence is an internationally recognized operations research (OR) centre dedicated to providing value to business and academia through projects with industry and research on applied OR methods.

sauder.ubc.ca/Faculty/Research_Centres/Centre_for_Operations_Excellence (http://sauder.ubc.ca/Faculty/Research_Centres/Centre_for_Operations_Excellence)

Phelps Centre for the Study of Government and Business

Faculty of Commerce and Business Administration

The Phelps Centre for the Study of Government and Business supports theoretical and applied research into the role of governments in the Canadian economy and into the relationship between government and business in Canada.

sauder.ubc.ca/Faculty/Research_Centres/Phelps_Centre_for_the_Study_of_Government_and_Business (http://sauder.ubc.ca/Faculty/Research_Centres/Phelps_Centre_for_the_Study_of_Government_and_Business)

Phillips, Hager & North Centre for Financial Research

Faculty of Commerce and Business Administration

The Phillips, Hager & North Centre for Financial Research was established to support research and educational activities around four broad themes: understanding and managing financial risks; understanding and evaluating the financial policies of corporations; understanding and
evaluating financial regulation; and understanding the determinants of financial values.

sauder.ubc.ca/Faculty/Research_Centres/Phillips_Hager_and_North_Centre_for_Financial_Research
(http://sauder.ubc.ca/Faculty/Research_Centres/Phillips_Hager_and_North_Centre_for_Financial_Research)

Pulp and Paper Centre

The Pulp and Paper Centre is an interdisciplinary, cross-faculty research centre with specialized laboratories and offices for graduate students, post doctoral fellows, research engineers and faculty who conduct research for the benefit of the current and future pulp and paper industry.

ppc.ubc.ca (http://ppc.ubc.ca)

Teaching, Learning and Technology, Centre for

The Centre for Teaching, Learning and Technology is a research-informed academic service unit for the UBC Vancouver campus that supports and advances scholarly and innovative approaches to teaching, learning, curriculum and educational technology practices within and across UBC’s diverse disciplinary and cultural contexts.

cftlt.ubc.ca (http://cftlt.ubc.ca)

Transportation Studies, Centre for

Faculty of Commerce and Business Administration

The Center for Transportation Studies fosters research and publication on transportation, logistics and closely allied fields with a particular emphasis on green logistics.

sauder.ubc.ca/Faculty/Research_Centres/Centre_for_Transportation_Studies
(http://sauder.ubc.ca/Faculty/Research_Centres/Centre_for_Transportation_Studies)

UBC Centre for Prostate Research

Faculty of Medicine

The UBC Centre for Prostate Research is recognized world-wide as a comprehensive, multi-disciplinary hub for research, treatment, and education in prostate disease.

prostatecentre.com (http://prostatecentre.com)

UBC Centre for Urban Economics and Real Estate

Faculty of Commerce and Business Administration

The goal of the UBC Centre for Urban Economics and Real Estate is to promote academic research and teaching in these areas at the Sauder School of Business. The centre's objective is to foster the integration between teaching, research, and the professional real estate community in BC and Canada.

sauder.ubc.ca/Faculty/Research_Centres/Centre_for_Urban_Economics_and_Real_Estate
(http://sauder.ubc.ca/Faculty/Research_Centres/Centre_for_Urban_Economics_and_Real_Estate)

W. Maurice Young Centre for Applied Ethics

Faculty of Medicine
The W. Maurice Young Centre for Applied Ethics works to advance the research agenda of applied ethics, conceived as the application of normative theory and social science to core issues in science and technology ethics and policy, organizational ethics, animal welfare and the environment, and research ethics.

[ethics.ubc.ca](http://ethics.ubc.ca)

**W. Maurice Young Entrepreneurship and Venture Capital Research Centre**

*Faculty of Commerce and Business Administration*

The W. Maurice Young Entrepreneurship and Venture Capital Research Centre aims to be a leading centre of research into the entrepreneurial economy. Its mission is to promote the generation and dissemination of knowledge concerning the process of innovation and entrepreneurial value creation.

[sauder.ubc.ca/Faculty/Research_Centres/W_Maurice_Young_Centre_for_Entrepreneurship_and_Venture_Capital_Research](http://sauder.ubc.ca/Faculty/Research_Centres/W_Maurice_Young_Centre_for_Entrepreneurship_and_Venture_Capital_Research)

**Wine Research Centre**

*Faculty of Land and Food Systems*

The mission of the Wine Research Centre is to conduct research in enology and viticulture and to develop highly qualified human resources with relevant scientific expertise and enterprise who will promote the technological advancement of the wine industry.

[wine.landfood.ubc.ca](http://wine.landfood.ubc.ca)

**Institutes**

**Applied Mathematics, Institute of**

*Faculty of Science*

The Institute of Applied Mathematics promotes interdisciplinary research activities involving applied mathematics.

[iam.ubc.ca](http://www.iam.ubc.ca/)

**Asian Research, Institute of**

*Faculty of Arts*

The Institute of Asian Research is UBC’s focal point on contemporary Asian policy issues. The Institute seeks to build knowledge that supports deep understanding and effective action in addressing a wide range of domestic, regional and global problems centered on Asia.

[iar.ubc.ca](http://iar.ubc.ca)

**Computing, Information and Cognitive Systems, Institute for**

*Faculty of Science*

The Institute for Computing, Information and Cognitive Systems is an umbrella organization that promotes innovative multi-disciplinary research in
advanced technologies systems.

icics.ubc.ca (http://icics.ubc.ca)

Critical Indigenous Studies, Institute for

 Faculty of Arts

The Institute for Critical Indigenous Studies (CIS) is an interdisciplinary research unit for Indigenous critical theory and politics, arts research, and applied social practice within the humanities and social sciences at UBC.

fnis.arts.ubc.ca/community/institute-for-critical-indigenous-studies (http://fnis.arts.ubc.ca/community/institute-for-critical-indigenous-studies)

Early Childhood Education and Research, Institute for

 Faculty of Education

The Institute for Early Childhood Education and Research serves as a community of discourse within the Faculty of Education and the University around issues pertaining to professional development, research, policy, and leadership in the area of early childhood development and education.

earlychildhood.educ.ubc.ca (http://earlychildhood.educ.ubc.ca)

European Studies, Institute for

 Faculty of Arts

The Institute for European Studies is an interdisciplinary institute dealing with European politics, economic issues, culture, and history.

ies.ubc.ca (http://ies.ubc.ca)

Gender, Race, Sexuality and Social Justice, Institute for

 Faculty of Arts

The Institute for Gender, Race, Sexuality and Social Justice is an interdisciplinary academic unit that offers an undergraduate major and minor, as well as M.A. and Ph.D. programs in Gender, Race, Sexuality and Social Justice Studies and undergraduate and graduate courses.

grsj.arts.ubc.ca (http://grsj.arts.ubc.ca)

International Collaboration On Repair Discoveries

 Faculty of Medicine

The International Collaboration On Repair Discoveries (ICORD) is an interdisciplinary research centre for the development and translation of strategies to promote functional recovery after spinal cord injury.

icord.org (http://icord.org)

Life Sciences Institute

 Faculty of Medicine / Faculty of Science
The Life Sciences Institute is dedicated to discovering the fundamental biological mechanisms underlying health and disease and translating this knowledge into new therapies.

lsi.ubc.ca (http://lsi.ubc.ca)

Liu Institute for Global Issues

Faculty of Arts

The Liu Institute for Global Issues pursues policy-relevant research on emerging issues that demand innovative, interdisciplinary, and impact-oriented responses from the academic community.

liu.arts.ubc.ca (http://liu.arts.ubc.ca)

Oceans and Fisheries, Institute for the

Faculty of Science

The Institute for the Oceans and Fisheries' mission is to work towards healthy and sustainable marine and fresh water systems through research, education, and societal engagement.

oceans.ubc.ca (http://oceans.ubc.ca)

Pacific Institute of Theoretical Physics

Faculty of Science

The Pacific Institute of Theoretical Physics fosters collaborative research in theoretical physics, supporting both a visitor programme and a large number of meetings (including workshops and conferences), and summer schools.

pitp.physics.ubc.ca (http://pitp.physics.ubc.ca)

Peter Wall Institute for Advanced Studies

The Peter Wall Institute for Advanced Studies at the University of British Columbia (UBC) provides funding opportunities and an intellectual environment where scholars are free to pursue the collaborative exchange of ideas beyond disciplinary boundaries. The Institute's goal is to stimulate creative, innovative research that makes important advances in knowledge.

pwias.ubc.ca (http://pwias.ubc.ca)

Resources, Environment and Sustainability, Institute for

Faculty of Science

The Institute for Resources, Environment and Sustainability fosters sustainable futures by focusing on integrated research and learning concerning the linkages between human and natural systems, in order to support decision making, from local to global scales.

ires.ubc.ca (http://ires.ubc.ca)

Rick Hansen Institute

The Rick Hansen Institute is a Canadian-based not-for-profit organization committed to accelerating the translation of discoveries and best practices into improved treatments for people with spinal cord injuries.
Scholarship of Teaching and Learning, Institute for the Centre for Teaching, Learning and Technology

The Institute for the Scholarship of Teaching and Learning (ISoTL) was established by Senate in May 2004, in order to support research, inquiry, and reflection on teaching and learning at The University of British Columbia.

Stewart Blusson Quantum Matter Institute

Faculty of Science

The Stewart Blusson Quantum Matter Institute focuses on research of systems and phenomena explicitly involving quantum mechanics, particularly Quantum Materials.

Others

Advanced Materials and Process Engineering Laboratory

The Advanced Material and Process Engineering Laboratory (AMPLEL) is an interdisciplinary research laboratory with faculty members and students from the Faculties of Science and Applied Science and from the Departments of Chemistry, Electrical and Computer Engineering, Materials Engineering, and Physics and Astronomy.

Bamfield Marine Sciences Centre

The Bamfield Marine Sciences Centre is a not-for-profit facility located on the west coast of Vancouver Island. The Centre was established in 1972 by the Western Canadian Universities Marine Sciences Society.

Human Early Learning Partnership

The Human Early Learning Partnership (HELP) is a collaborative, interdisciplinary research network which brings together many scientific viewpoints to address complex early child development issues, with a focus of ensuring that research knowledge is translated to community and policy action.

Laboratory of Archaeology

The Laboratory of Archaeology is committed to the scholarly study of the material evidence of past cultures. It is made up of a research community from across campus, a suite of research facilities, and a state-of-the-art provincial Collections Repository.
Michael Smith Laboratories

The Michael Smith Laboratories investigates molecular genetics in humans, animals and plants, fermentation, bio-process engineering, and bioinformatics. It offers facilities and opportunities for graduate study in biotechnology through the academic departments of its faculty members.

Ocean Studies Council

The Ocean Studies Council is focused on the promotion of interdisciplinary research on ocean matters within the University.

Remote Sensing Council

The Remote Sensing Council coordinates studies in various aspects of remote sensing leading to master's and doctoral degrees in Astronomy, Computer Science, Earth, Ocean and Atmospheric Sciences (Atmospheric Science, Geology, Geophysics, or Oceanography), Electrical and Computer Engineering, Forestry, and Geography.

Therapeutics Initiative

The Therapeutics Initiative (TI) was established to provide physicians and pharmacists with up-to-date, evidence-based, practical information on prescription drug therapy. The TI is an independent organization, separate from government, the pharmaceutical industry and other vested interest groups.

TRIUMF

TRIUMF is Canada's national laboratory for particle and nuclear physics and accelerator-based science. TRIUMF is an international centre for discovery and innovation, advancing fundamental, applied, and interdisciplinary research for science, medicine, and business.