

# Research Orientation

## for New Faculty Members



**2015-16 Edition**



a place of mind

THE UNIVERSITY OF BRITISH COLUMBIA



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# Vice President's Greeting



Welcome to UBC, and congratulations on your recent appointment. We are immensely proud of the calibre of research conducted across all UBC campuses and locations, and you are a welcome addition to our thriving community of outstanding researchers and faculty members.

As part of UBC's vision "to conduct outstanding research to serve the people of British Columbia, Canada and the world," we're committed to ensuring your research experience at UBC is a positive one. We

maintain a sophisticated research infrastructure that efficiently guides investigators in all disciplines through each stage of the research process, from identifying collaborators and funding opportunities to managing knowledge mobilization beyond the campus community.

UBC is a large and complex institution, and it isn't unusual for new researchers to feel daunted by all they feel they should know. This orientation guide, in combination with our annual Research Orientation Day, will answer many of your initial questions and will put you in touch with the people and the services dedicated to supporting our research enterprise.

Thank you for choosing to join us at UBC, and best of luck in your research endeavours.

Yours truly,

A blue ink handwritten signature, appearing to be 'J. Hepburn', followed by a long horizontal flourish.

John W. Hepburn, PhD, FRSC  
Vice President Research & International  
[vpr@exchange.ubc.ca](mailto:vpr@exchange.ubc.ca)

## Resources for New Faculty

The Office of the Vice President Research & International (VPRI) offers a number of resources and services to new faculty, including:

### Research Orientation Day

A day-long orientation for new faculty members offered annually each summer, featuring a panel of experienced faculty members and representatives from research support units. Content includes where and how to secure funding, how to obtain ethics certification and an institutional signature, and more.

### research.ubc.ca

The VPRI website not only highlights UBC's research excellence and international engagement, it also contains a wealth of detailed information, including various resources, tools and links to UBC's research infrastructure for researchers. Professional development in teaching and learning is offered by the [Centre for Teaching, Learning and Technology](#) (CTLT).

### New Faculty Luncheons

Small groups of new faculty members meet with the Vice President to share common experiences and challenges, and to discuss any research-related matters. These sessions are offered regularly throughout the academic year. Registration is limited and details are available on the [VPRI website](#).

### Questions about your appointment?

**The Faculty Relations Office is the definitive source of human resource information for new faculty members.**

A visit to the [Faculty Relations website](#) will answer most questions about recruitment, immigration, appointment, orientation, compensation, [tenure and promotion](#), sabbatical and retirement.

*You must consider a number of factors, including immigration and union requirements, before you can arrange to transfer your research staff to UBC from another institution. For assistance moving Postdoctoral Fellows and Research Associates to UBC, email [fr@exchange.ubc.ca](mailto:fr@exchange.ubc.ca). For assistance moving Science Researchers, Assistants and Technicians to UBC, contact your assigned [HR Associate](#).*

## Research Infrastructure

The Office of the Vice President Research & International oversees a broad portfolio of core research administration units. This booklet describes their various functions and support programs offered to the research community.



### Research Advisors

Selected UBC faculty members are appointed by the Office of the Vice President Research & International to represent UBC before each major Federal funding agency. The coordinators work closely with researchers to ensure that information is disseminated and initiatives are developed to provide support for research and scholarship.

#### Canada Foundation for Innovation (CFI)

Advisor: [Dr. Leonard Foster](#) (604) 822-8311

#### Canadian Institutes of Health Research (CIHR)

Advisor: [Dr. Lara Boyd](#) (604) 822-7197

#### Social Sciences & Humanities Research Council of Canada (SSHRC)

Advisor: [Dr. Alan Kingstone](#) (604) 822-9230

#### Natural Sciences & Engineering Research Council of Canada (NSERC)

Advisor: [Dr. Tim Salcudean](#) (604) 822-3243

#### Advanced Research Computing (ARC)

Advisor: [Dr. Corey Nislow](#) (604) 827-1579

## Grant Facilitation Network

Grant Facilitators are appointed throughout all UBC locations and in each research discipline, and are dedicated to providing assistance to faculty members applying for research grants from all sources. Their roles vary across faculties, and may include:

- helping to identify new funding opportunities;
- assisting with initiating and developing research collaborations;
- providing review, editing and revision of research proposals; and
- assisting with budget justification.

Visit [www.grantfacilitation.ubc.ca](http://www.grantfacilitation.ubc.ca) or [research.ubc.ca](http://research.ubc.ca) for more information.

## SPARC: Support Programs to Advance Research Capacity

[SPARC](#) offers support services ranging from confidential one-on-one grant consultation, to coordinating internal peer review of proposals, to leading the development of multi-partner team grants. SPARC's free and confidential services are available to all UBC faculty members at all campuses and locations.

SPARC offers strategic grant writing workshops year-round that provide up-to-date information, grant management and writing strategies, and direct access to successful UBC investigators. SPARC also offers networking opportunities to promote research collaborations and multidisciplinary team building.

UBC researchers can gain a competitive edge in grant competitions by participating in SPARC's Internal Review program. SPARC connects researchers across disciplines, organizational units and locations to provide an expert review that mimicks formal multi-disciplinary review panels. SPARC also provides strategic project management expertise for complex, large-scale funding opportunities, including the development of inter-institutional research collaborations and partnerships. For more information, visit <http://sparc.ubc.ca/>.

SPARC hosts *fred*, an online database that offers researchers access to more than 500 listings of high-tech research facilities, equipment and services ([www.corefacilities.ca](http://www.corefacilities.ca)).

## Office of Research Services

The [Office of Research Services](#) (ORS) is responsible for overseeing the administration of research at UBC and its affiliates, in observance of policies and regulations established by UBC, the Government of Canada and federal funding agencies, and other regulatory bodies. ORS stewards the process of identifying funding opportunities through to preparing and submitting proposals, ensuring ethical compliance, and opening a research account.



Contact ORS if you need:

- information and assistance in applying for research grants;
- an institutional signature for grant applications;
- to establish a research account and spending limits;
- a certificate of compliance for research involving human subjects, animal subjects and biohazardous materials;
- to transfer funds to research collaborators at other institutions;
- to register a clinical trial; or
- statistical information on research funding at UBC.

### Researcher Information Services (RISe)

Research at UBC is administered through [Researcher Information Services \(RISe\)](#), a secure online system that enables researchers to submit Conflict of Interest or Conflict of Commitment (COI/COC) declarations, and applications for ethical review of studies with human or animal subjects. Users can track COI/COC declarations and ethics applications through the approval process, as well as manage amendments and renewals.

## Research Ethics

UBC policy requires that certain research conducted at the University or its affiliated hospitals, or conducted by UBC faculty, must be reviewed by a UBC Research Ethics Board or Committee. Research that must be reviewed and approved before the research starts, and before research funding can be released, includes:

- 1) research involving animals, fish and invertebrates;
- 2) research involving bacteria, viruses, plasmids, recombinant DNA, animal tissues or other biohazards; and
- 3) research involving human subjects, including human tissue or bodily fluids, and human stem cells.

Research involving human participants at UBC must adhere to the provisions of the [Tri-Council Policy Statement](#) (TCPS) and all researchers conducting studies involving human participants are required to complete the [TCPS 2 online tutorial](#).

Graduate research is conducted under the auspices of a Faculty Advisor, who is the named Principal Investigator for the research. If you supervise a graduate student's research you are accepting ultimate responsibility for ethical conduct of the research. Your graduate student will be named as a co-investigator in the application.

All research ethics applications must be submitted online through the [Researcher Information Services](#) (RISe) system. All of the ethics forms including applications for approval, amendments and renewals are accompanied by extensive guidance notes. These can be accessed through links in the application and other forms; we strongly recommend you refer to them in the event that you have questions concerning how to complete your application or post-approval form.

It is important that your application be submitted to the correct ethics committee, to avoid delay to the review process. The ethical review committees at or affiliated with UBC include:

### Animal Care Committee

The [Animal Care Committee](#) reviews all research involving animals, fish or invertebrates. Research, teaching or testing involving the use of animals at UBC must adhere to the UBC Animal Care Committee and Canadian Council on Animal Care guidelines. All researchers or personnel involved in animal research are required to complete [online animal care training](#).

## Biosafety Committee

The [Biosafety Committee](#) reviews all research that involves bacteria, viruses, plasmids, recombinant DNA, animal tissues, human blood or tissue or other biohazards.

## Behavioural Research Ethics Boards

The two [Behavioural Research Ethics Boards](#) (BREB A and B) currently review all non-invasive research involving human participants, including research involving interviews, focus groups, aptitude testing, internet surveys, telephone polls, questionnaires, psychological testing and other methods.

## Clinical Research Ethics Board

The [Clinical Research Ethics Board](#) (CREB) reviews all medical research such as clinical trials, studies with blood or tissue samples, medical imaging, and exercise programs designed to treat a medical condition that involve blood, tissue, or medical imaging, genetic analysis, and human stem cell research, *except studies under the purview of the B.C. Cancer Agency Research Ethics Board or the Providence Health Care Research Ethics Board or the C&W Research Ethics Board.*

## BC Cancer Agency Research Ethics Board

The [BC Cancer Agency Research Ethics Board](#) reviews all adult cancer-related clinical studies and some behavioural studies that are conducted by researchers at the BC Cancer Agency.

## Children & Women's Research Ethics Board

The [Children & Women's Research Ethics Board](#) reviews all research that takes place at Children & Women's Hospital and all research conducted by C&W, staff whether or not it is conducted at Children & Women's Hospital.

## Providence Health Care Research Ethics Board

The [Providence Health Care Research Ethics Board](#) reviews all research that takes place at the Providence Health Care site and all research conducted by PHC staff, whether or not it is conducted at the Providence Health Care site.

## University-Industry Liaison Office

The [University-Industry Liaison Office](#) (UILO) offers a range of services and guidance within the core areas of sponsored research and technology transfer.

As the bridge between the research activities and capabilities of the University and the needs of industry, our [Sponsored Research Group](#) drafts, negotiates and manages industry-sponsored research, as well as government and non-profit contracts and agreements.

Our [Technology Transfer Group](#) assesses invention disclosures for technical feasibility and commercial potential, and develops a plan for how best to progress with each disclosure.

The UILO's active patent, copyright and trademark registration program protects and increases the value of UBC's intellectual property. UBC's record in securing U.S. patents exceeds that of any other Canadian University.

When invention disclosures are made at a very early stage, we may also help to develop technologies through our [Prototype Development Program](#). The first of its kind in North America, this program produces proof-of-concept and working models of promising technologies to demonstrate market application, permit ongoing testing and support patenting.

When appropriate, we participate in the creation of knowledge based ventures by highlighting UBC spin-off company opportunities and aligning technologies and scientists with management experts and investors. We also offer guidance on issues such as corporate governance, and through our [New Ventures program](#) we help to foster and develop an informed entrepreneurial culture throughout the University.

Our staff are available to provide presentations on collaborative research, attracting sponsored research funding, intellectual property issues, technology transfer, entrepreneurship and spin-off company creation and support.

### Moving Universities?

If you are transferring existing research funds or coordinating the ongoing management of intellectual property, please [contact the UILO](#) for assistance.

## Hospitals and UBC

### Affiliated Health Authority Research Institutes

UBC operates academic space at VCHRI, C&W and Providence under MOUs between UBC and the hospitals. UBC faculty working at any of the hospitals or BCCRC are entitled to full support from the Point Grey campus, but considerable support services are provided at their home sites. These include:

- [Clinical ethics reviews](#) organized from the Vancouver Coastal Health Research Institute, St. Paul's and BCCRC sites;
- [Behavioural ethics reviews](#) from the Pt. Grey campus;
- Access to internal reviews, support funding, etc.;
- [Grant Facilitators](#) located at each site that provide a variety of functions and services to Hospital Researchers and staff;
- A free shuttle bus service between all sites, every 30 minutes, 5 days a week (the service starts early and leaves the UBC Campus from the front of UBC Hospital, beside Emergency, on the hour and the half-hour); and
- To reduce traveling time for researchers during major CIHR deadlines, [Susan O'Neil](#) (604-875-4111 ext. 68455) will travel to each hospital site the week of the deadline to arrange institutional signature.

Indirect costs funding for CIHR, NSERC, SSHRC and NCE awards made to faculty working at hospitals, BCCDC and BCCRC are split 50:50 between UBC and hospital research offices (except for Tri-council clinical trials which are split 80:20 in favor of the hospital).



## **ANNUAL RESEARCH AWARDS RECEPTION**

This invitation-only celebration, held every spring, recognizes research excellence in our academic community. The reception, hosted by the Vice President Research & International, honours faculty award recipients of the previous year.

# Finding Research Funding

## Awards Deadlines

The ORS website offers a [current listing of funding opportunities](#) and associated deadlines from internal, provincial, national, and international sources.

## Internal (UBC) Funding & Awards

UBC takes great pride in the scholarly contributions of its faculty, and we strive to recognize their research achievements. The Vice President Research & International website offers a [complete listing of UBC internal awards](#), deadlines, guidelines and nomination/application forms.

## Transferring Funding to UBC

If you are transferring to UBC, there are a number of items that are required before arrangements can be made to transfer your grant and/or contract funding. In the case of grant funding, for each project, UBC will require:

- a copy of your original proposal's front page, signature page (if different from the front page), summary or abstract, ALL budget pages including justification and any documents relating to matching funds or collaborations;
- appropriate UBC signatures on your original proposal: principal investigator, UBC Department head and the dean's office for your faculty (where applicable);
- for projects using humans/animals/biohazards an individual Certificate of Approval for each grant from the appropriate UBC committee referencing the exact project title and sponsor; and
- documentation from the sponsoring agency approving the transfer of funds to UBC and indicating the terms and conditions of the award.

For clarification on the use of humans/animals/ biohazards, the grant process or other general queries, [contact Research Services](#). In the case of Government and Industry Contracts, please [contact the University Industry Liaison Office](#).

## Obtaining Institutional Signatures

In addition to fulfilling the signature requirements of the agency to which you are applying, you must also fulfill the [signature requirements of the University](#). By University Policy, all proposals for external funding for research and other projects must be signed in the following order by:

1. Principal Applicant (and co-applicants if any);
2. UBC Department Head (or Director of a School or Institute);
3. Dean of the Faculty (not required for applications from the Faculties of Science or Applied Science, or the School of Human Kinetics); and
4. Director of Research Services (Vancouver) or AVP Academic & Research (Okanagan) on behalf of the President.

All university signatures are required, even when preprinted forms do not have the appropriate spaces.

Allow time for signatures. Some faculties have internal deadlines and supplementary requirements. Some programs require the President's signature; arrange for this well in advance.

## Research & Trust Accounting

[Research and Trust Accounting](#) (RTA) provides post-award support to help UBC researchers manage their Project Grant (PG) activities and balances. RTA ensures all sponsored research and specific purpose funds are administered in compliance with funding agency, university, and accounting policies. RTA helps to:

- prepare financial reports for sponsors;
- handle invoicing and cash collection;
- monitor compliance with sponsor and UBC policies;
- monitor over-expenditure;
- transfer funds to/from collaborating institutions;
- manage cheque deposits and budget adjustments;
- reconcile budget with payments from sponsors; and
- establish policies, controls & reporting systems for departments.

**Details on requesting signatures for applications for research funding are found on the [Office of Research Services website](#).**

To ensure no delay in setting up PGs, researchers need to submit all documentation to ORS during the application process, including ethics approvals and biohazard certificates where required. Contact Research Services to determine whether a research account (R fund) and budget has been set up. If the account is a specified trust account (S fund), RTA can inform you on the status of the account. Questions on expense eligibility, account balance or financial statements and invoices can be directed to RTA.

The researcher is responsible for:

1. authorizing expenses charged to the account;
2. ensuring expenses are eligible under funding agency guidelines;
3. complying with UBC policies and procedures;
4. contacting sponsor agency if your status changes;
5. contacting sponsor agency to request a term extension;
6. responsible for any over-expenditures on their PG account;
7. notifying RTA to inactivate account if research is completed;
8. notifying RTA of change in status or change in address; and
9. completing progress/technical reports when required.

Monthly hard copy ledgers are distributed to department administrators who forward them to researchers for review. You can also review PG details online once you have applied for CWL account and obtained [access to FMS nQuery](#).

### RTA Online

- [Training website](#)
- [Research FAQ](#)
- [Related forms](#)

# UBC Policies and Procedures

Any research project carried out by a person connected with UBC and affiliated hospitals and research institutes must conform with the [University Policies concerning research](#). These policies cover guidelines concerning the use of facilities, budget preparations, legal authority, use of ethical review committees, studies involving human subjects, animals and biological hazards, application signing, award administration, publication, patents and licensing, travel and entertainment, and conflict of interest.

All policies passed by the Board of Governors and currently in effect appear on the [University Counsel website](#). The following is a partial list of policies concerning research.

Policy #	Policy Name	Revised
6	Environmental Protection Compliance	Jun 05
7	University Safety	Jun 05
9	Hazardous Materials Management	Jun 05
10	Procedures for Working with Biohazardous Materials	Jun 05
30	Classification of Research Staff	May 95
35	<a href="#">Salary Research Grants (Non-Study Leave)</a>	Jul 95
37	<a href="#">Salary Research Grants (Study Leave)</a>	Jan 94
61	Post-Doctoral Fellows	Feb 97
76	Student Service Appointments	Jun 05
83	<a href="#">Travel and Related Expenses</a>	Jun 05
84	<a href="#">Entertainment Expenses</a>	Jul 93
85	<a href="#">Scholarly Integrity</a>	Arp 13
87	<a href="#">Research</a> (includes signatures & overheads)	Nov 07
88	<a href="#">Inventions &amp; Discoveries</a>	Jun 13
89	<a href="#">Research and Other Studies Involving Human Subjects</a>	Jun 12
90	<a href="#">Over-Expenditure on Research and Specific Purpose Trust Project/Grants</a>	Jun 05
91	<a href="#">Purchase of Animals for Research and Teaching</a>	Feb 84
97	<a href="#">Conflict of Interest and Conflict of Commitment</a>	Mar 05
111	Internal Audit	Sep 07
122	<a href="#">Purchasing</a>	May 03

## Research Contacts

### Office of the Vice President Research & International

<a href="#">Dr. John Hepburn</a> , VP Research & International	604-822-0233
<a href="#">Dr. Helen Burt</a> , Associate VP Research & International	604-822-1467
<a href="#">Ann Campbell</a> , Director	604-827-1439
<a href="#">Julie Ovenell</a> , Director, Communications	604-827-1870
<a href="#">Deborah Watt</a> , Associate Director	604-822-6050
<a href="#">Jamie Hall</a> , Manager, Communications	604-822-1267
<a href="#">Brenda Carrier</a> , Research Awards Coordinator	604-822-6010
<a href="#">Fred Woo</a> , Assistant to VP Research & International	604-822-0233
<a href="#">Clement Woo</a> , Assistant to AVP Research & Director	604-822-3090
<a href="#">Dmitriy Ryabika</a> , Research Analyst	604-827-2762

<a href="#">Dr. Adel El Zaim</a> , Executive Director International	604-822-3618
<a href="#">Jonathan Hayes</a> , International Relations Officer	604-822-0099
<a href="#">Bob Korzeniowski</a> , International Relations Officer	604-822-2632
<a href="#">Véronique St-Antoine</a> , International Relations Officer	604-822-2634
<a href="#">Tangerine Twiss</a> , Executive Assistant International	604-822-3114

<a href="#">Dr. Leonard Foster</a> , CFI Advisor	604-822-8311
<a href="#">Dr. Lara Boyd</a> , Health Research Advisor	604-822-7197
<a href="#">Dr. Alan Kingstone</a> , SSHRC Advisor	604 822-9230
<a href="#">Dr. Tim Salcudean</a> , NSERC Advisor	604-822-3243
<a href="#">Dr. Corey Nislow</a> , ARC Advisor	604-827-1579

### Office of Research Services

<a href="#">RISe Support Desk</a>	604-878-7473
General information	604-822-8581
<a href="#">Martin Kirk</a> , Director	604-822-8083
<a href="#">Laurel Evans</a> , Director, Ethics	604-827-5113
<a href="#">Dean Kuusela</a> , Associate Director	604-822-8582
<a href="#">Yvonne Ng</a> , Manager, Research Awards	604-822-1304
<a href="#">Carolyn De Melo</a> , Assistant Manager	604-822-5117
<a href="#">Shehnaz Motani</a> , Awards Officer	604-822-9252

### University-Industry Liaison Office

<a href="#">John-Paul Heale</a> , Managing Director	604-822-2199
<a href="#">Mario Kasapi</a> , Associate Director	604-822-8996
<a href="#">Yasmin Diaz</a> , Manager, Clinical Research Agreements	604-827-5025
<a href="#">Derek Gratz</a> , Associate Director, UBC Okanagan	250-807-9853

## Animal Care Committee & Biosafety Committees

[Lynn Macdonald](#), Manager 604-827-5111  
[Roger Chow](#), Biosafety and Animal Care Assistant 604-827-5115

## Behavioural Research Ethics Board

[Nadia Rad](#), Senior Administrative Coordinator 604-827-5114

## Clinical Research Ethics Board

[Pia Ganz](#), Manager 604-875-4149  
[Svitlana Franchuk](#), Administrative Assistant 604-875-4111 x68917

## BC Cancer Agency Research Ethics Board

[Kristie Westerlaken](#), Manager 604-877-6284

## Children & Women's Research Ethics Board

[Jennie Prasad](#), Manager 604-875-2441

## Providence Health Care Research Ethics Board

[Julie Hadden](#), Manager 604-682-2344 x63496

## Institutional Programs Office (CFI/KDF/WD)

[Sharon Wu](#), Director 604-827-5279  
[Andy Lam](#), Finance Manager 604-822-9965  
[Vicki Ferguson](#), Research & Admin Coordinator 604-827-5170

## SPARC Office

[Martin Kirk](#), Director  
[Helene Dragatsi](#), SSH Research Development Officer 604-822-9496  
[Stephane Dragon](#), CIHR/Health Research Development Officer 604-822-4318  
[Danica Kell](#), SSH Research Development Officer 604-822-8778  
[Christy McTait](#), Senior Internal Review Officer (CIHR/Health) 604-827-5615  
[Alexander Unterberger](#), NSE Research Development Officer 604-822-5386  
[Dawn Whitworth](#), Senior Manager, SSH Partnerships 604-822-3331  
[David Woods](#), NSE Research Partnership Development Manager 604-822-8789

## Risk Management & Insurance

[Ron Holton](#), Chief Risk Officer 604-822-4218

## Research & Trust Accounting

[Evelyn Miguel](#), RTA Manager 604-822-3275

## Internal Audit

[Johann Boulter](#), Associate Director 604-822-0505

## Other UBC Resources

The following links describe services and information of use to researchers and the UBC community at large.

### [Administration and Governing Bodies](#)

Provides organizational charts and websites for University bodies, student & alumni bodies, unions and associations, and committees.

### [Campus Services](#)

UBC offers a comprehensive set of campus services, from Athletics and Child Care to Waste Management.

### [Edudata Canada](#)

Edudata Canada is a research centre in the Faculty of Education that acts as custodian to large education, health, and economics data sets. It supports educational research, teaching, and policy development by acting as an information broker, and offers a comprehensive meta-analysis catalogue.

### [Faculties, Schools and Departments](#)

Teaching and research at UBC are conducted in 12 faculties and 11 schools, each offering a broad range of programs of study.

### [Risk Management Services](#)

Risk Management has created an [Orientation for UBC Faculty and Staff](#) to familiarize UBC faculty with their responsibilities in ensuring a safe working environment. Included are the mandatory legal and policy elements for which faculty are personally responsible.

### [UBC IT](#)

UBC Information Technology (UBC IT) provides faculty a variety of services to support research, including Research Systems (RISe), Virtual Desktop interface (VDI), Virtual Server and Storage (VSS), UBC email (FASmail), and Survey Tool. Please visit <http://www.it.ubc.ca> to learn more about these tools. For information specific to the UBC Okanagan campus, visit <http://www.ubc.ca/okanagan/itservices/welcome.html>.

### [Institutes & Centres](#)

UBC is affiliated with a number of research institutes, centres, organizations, and hospitals, many of which are located on the university's main Point Grey campus.

### Supply Management

UBC Supply Management provides [purchasing tools](#) and support including [Procurement Card](#) technology and supply contracts that can dramatically reduce procurement costs.

- [What can Supply Management do for me?](#)
- [How do I import/export to/from UBC?](#)
- [How do I dispose of Surplus Equipment?](#)
- [How can UBC help me when I travel?](#)
- [How do I make a sole source purchase?](#)
- [How do I contact Supply Management?](#)

### Building Operations

UBC Building Operations provides comprehensive facilities stewardship, maintenance, operations and renovation services for land and buildings owned and operated by the University.

### UBC Sustainability Initiative

UBC is Canada's leader in sustainability in campus operations, research, and teaching and learning. The UBC Sustainability Initiative oversees UBC's engagement in a variety of initiatives designed to create a community that values ecology, society, and economy. The [Social Ecological Economic Development Studies \(SEEDS\)](#) program brings together students, faculty, and staff in projects that address sustainability issues. Staff and faculty members can request research pertinent to their fields, UBC students earn academic credit for their work, and instructors become more fully involved in the community. So far, more than 200 UBC community members have taken part in unique projects.

### Statistical Research Consulting and Research Laboratory (SCARL)

For over 25 years, the professional statisticians at SCARL have assisted UBC researchers in the statistical formulation of research questions, the design of experiments and survey samples, the choice and explanation of statistical methodology, statistical computing and graphics, statistical analysis, and the interpretation of findings. We also assist in the preparation of grant proposals and organizing presentations and short courses. An integral part of the UBC Department of Statistics, SCARL provides a level of assistance that is matched to clients' needs, ranging from brief discussion and advice to in-depth collaborative research.



**a place of mind**

**research.ubc.ca**  
**uilo.ubc.ca**  
**ors.ubc.ca**  
**sparc.ubc.ca**

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Please [contact us](#) with any inquiries.

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