Agriculture Centre of Excellence
Director: Dr. Garry Fehr

www.ufv.ca/ace

September 2016 – May 2017

A. Purpose

The Agriculture Centre of Excellence at the University of the Fraser Valley promotes and champions a network of innovation in agriculture education and career pathways, and in technology and research. The Centre facilitates knowledge transfer by acting as a coordinating hub to bring together expertise and knowledge from established institutions and organizations in sustainability, food safety, agribusiness, plant and animal production, and technology development.

B. Membership and Governance

The Centre has an Internal Advisory Committee (IAC) and reports directly to AVP Adrienne Chan. The current members of the IAC are: Adrienne Chan, Jacqueline Nolte, Lucy Lee, Tracy Ryder-Glass, Frank Ulbrich, Gabriela Pechlaner, Hannah MacDonald, John English, Jonathan Hughes, Lenore Newman, Liana Thompson, Renee Prasad, and Ali Fotouhi. In September 2017, Greg Schlitt will replace Lucy Lee while she is on leave, and Shelley Canning will replace Hannah MacDonald from Health Sciences. The IAC has met three times per year and will be increased to five meetings per year starting in September 2017.

ACE is also responsible to an external steering committee that guides the activities of the B.C. Agrifood and Seafood Research, Education and Extension Network to provide value to network stakeholders. Membership includes all post-secondary institutions that have an interest in agriculture education and research, as well as representatives from provincial and federal governments, and industry. The Network meets at least twice per year.

C. Partnerships

Significant partnerships include the stakeholders of the Network. The academic partners that have committed to the Network include KPU, UBC, TRU, OC, and VIU. There is increasing interest in the Network from BC colleges, BCIT, and SFU. Government partners include the BC Ministry of Agriculture and Agriculture and Agrifood Canada. From industry, there has been consistent participation from the BC Agriculture Council, and the BC Salmon Farmers Association.
Outside of the Network, ACE has partnered with the John Volken Academy (JVA) in Surrey and the City of Surrey to establish the Surrey Biopods for the purpose of promoting agriculture research and supplying training to the JVA students.

Other important partners include:

1. Chilliwack Agriculture Commission
2. University of Guelph – Feeding Nine Billion Food Security Challenge
3. City of Abbotsford Chamber of Commerce Agriculture Committee
4. Farm Folk City Folk – Building Agricultural Resilience (BAR) project
5. BC Hazelnut Growers Association – Sector Rebuilding Project
6. Agriburban Research Centre – Real Estate Foundation Grant
7. Aga Khan University – Sustainable Food Systems project in Nairobi, Kenya
8. Affinor Growing Systems Inc. – ongoing vertical tower research at Surrey Biopods
9. South Asian Studies Institute – provided one teaching release for project *Diversifying the Agri-Food Economy in Punjab*

D. Students

The following students were hired as paid Research Assistants (including one work study student) on various projects in the past year as noted below:

1. Ravleen Chhina – *Diversifying the Agri-Food Economy in Punjab*. This project identified the policy and environmental challenges that are diminishing the sustainability of agriculture in the state of Punjab and then used a Water, Energy, Food Nexus approach to propose a pathway to a more diversified and sustainable agriculture sector. Information for this report was gleaned from existing literature and participation in the National Seminar on Agriculture and Food Security in India: Challenges and Opportunities, March 10-11, 2016 in Chandigarh, India. The paper will be presented at the South Asian Studies Institute research workshop in Fall 2017.

2. Josie Dyck – BC Hazelnut Growers Association and Building Agricultural Resilience. ACE has taken on an advising role to the BC Hazelnut Producers Association in support of the revitalisation of hazelnut production in the Fraser Valley since 90% of orchards were destroyed by the Eastern Filbert Blight. This past year ACE has provided marketing and research support. Students created a promotional brochure, and supplied information on underutilized arable land in the Fraser Valley that may have potential as new hazelnut orchards. ACE is in discussions with the BCHGA and UFV Trades and Technology to sponsor a student competition to design small lot hazelnut harvesting tools in Fall 2017.

3. Zachary Schroeder – *Low Tech Urban Agriculture Handbook (Work Study)*. This handbook is a collection of low cost and low technology strategies to facilitate urban agriculture in low income urban neighbourhoods of the Less Developed World. The research is completed and is ready for editing and formatting of a digital resource.

4. Two students: Darren Williamson, Jonathan Vandermeer – Building Agricultural Resilience. This multi-phase and multi-year Abbotsford Community Foundation funded project aims to provide a plan that will increase resilience in Fraser Valley horticulture. Phase 1 has created production case studies of high value niche horticulture crops. Phase 2 has produced a database and maps of underutilized arable land in the Fraser Valley. Phase 3 is the supply of a land leasing guide to enable capital poor new farmers to access leased land to begin their new farming enterprises.
Phase 4 has included support for vegetable trials conducted by Dr. Renee Prasad and her students, and by Dr. Laila Benkrima.

5. Chelsey Krahn – Experiential Learning Opportunities in Agriculture. This project created a database of organizations in British Columbia that provide experiential learning opportunities in agriculture in the forms of co-op and internships.

6. Camda-Gaye Johnson – Surrey Biopods. This past year the Surrey Biopods have been the site for multiple research projects. This past year we:
   a. Tested the high diffusion and high thermicity qualities of the poly covering of the greenhouses;
   b. Refined the functioning of the Affinor Vertical Growing Towers, and improved strawberry production protocols for the towers;
   c. Tested the efficacy of a fertilizer supplement for vegetables;
   d. Collaborated with SFU on developing improved production protocols for wasabi.

In the coming year we are working with entrepreneurs on their prototypes for aeroponics, LED lights, and new crops for the Affinor Vertical Growing Towers.

7. Two students: Cyndey Meyers, Miranda Monosky - Agriculture Technology Innovation and Training Study. This contract research project for the City of Surrey provides a snapshot of agriculture technology trends that may demonstrate opportunities for value added agriculture and food processing.

8. Samarveer Kamra – Samarveer worked on two studies: BC Hazelnut Growers Association Collaboration and Agriculture Technology Innovation and Training Study

Two Geography internships that focused on food security were supervised. The students were:
   1. Charmaine White – Community Food Hubs Best Practices hosted by Fraser Health
   2. Ravleen Chhina – Engaging Millennials in Food Banks hosted by Abbotsford Food Bank

E. Activities of the Centre

One of the Centre’s foci is to engage with the university’s communities to learn about the agriculture sector’s needs and to inform the public about relevant changes in the sector. As a result, the Centre hosts and participates in a variety of activities. This past year ACE has either hosted or participated in the community engagement activities listed below:

4. Participant at the BC Tech Summit in Vancouver March 14-15, 2017. Spoke with more than 100 individuals promoting UFV.
5. Hosted the Feeding 9 Billion Challenge on campus March 18-19, 2017. The event included 29 student participants from 11 disciplines and produced six business proposals to reduce food waste.
6. Hosted a public panel discussion (including Dr. Mariano Mapili from the Department of Geography), Sustainable Farming: What does it look like? May 15, 2017 at UFV Abbotsford.
F. Funding Received

1. Abbotsford Community Foundation - $25,000 (year two of a two year grant)
2. City of Surrey - $20,000 Study on Agriculture Technology, Innovation and Training in Surrey
3. Affinor Growers Inc. - $15,000 for Yield Maximisation of Strawberries in Vertical Growing Towers
4. Fund for Innovative Teaching (UFV) $10,000 Collaboration with the School of Business to provide case study training for Business faculty and produce two supporting videos that will be made available for teaching in the departments of Agriculture, Business, Geography, Global Development Studies and Sociology

G. Research Completed

ACE has undertaken a variety of funded and unfunded research projects. The majority of the projects are due to be completed in the coming year. All projects have included the labour of UFV students from multiple disciplines.

Completed research activities include:

1. Research on the Proof of Concept for a Light Dispersing Plastic Covered Pod Concept Greenhouse. This project and report includes research on the greenhouse structure, use of the vertical growing tower, and a nutrient delivery and recycling system at the Surrey Biopods. This past year the Surrey Biopods have been the site for multiple research projects. This past year we:
   a) Tested the high diffusion and high thermicity qualities of the poly covering of the greenhouses;
   b) Refined the functioning of the Affinor Vertical Growing Towers, and improved strawberry production protocols for the towers;
   c) Tested the efficacy of a fertilizer supplement for vegetables; and
   d) Collaborated with SFU on developing improved production protocols for wasabi.
   In the coming year we are working with entrepreneurs on their prototypes for aeroponics, LED lights, and new crops for the Affinor Vertical Growing Towers.


3. Database of Experiential Learning Opportunities in Agriculture in BC.
   This project created a database of organizations in British Columbia that provide experiential learning opportunities in agriculture in the forms of co-ops and internships.

   This contract research project for the City of Surrey provides a snapshot of agriculture technology trends that may demonstrate opportunities for value added agriculture and food processing.

Research in-progress includes:

1. Diversifying the Agri-Food Economy in Punjab report and presentation September 1, 2017.
This project identified the policy and environmental challenges that are diminishing the sustainability of agriculture in the state of Punjab and then used a water, energy, food nexus approach to propose a pathway to a more diversified and sustainable agriculture sector. Information for this report was gleaned from existing literature and participation in the National Seminar on Agriculture and Food Security in India: Challenges and Opportunities, March 10-11, 2016 in Chandigarh, India. The paper will be presented at the South Asian Studies Institute research workshop in Fall 2017.

2. **Low Tech Urban Agriculture Handbook** – handbook to be published electronically in fall 2017. This handbook is a collection of low cost and low technology strategies to facilitate urban agriculture in low income urban neighbourhoods of the less developed world. The research is completed and is ready for editing and formatting of a digital resource.

3. **Building Agricultural Resilience through Diversification** – Report due March 2018. This multi-phase and multi-year Abbotsford Community Foundation funded project aims to provide a plan that will increase resilience in Fraser Valley horticulture. Phase 1 has created production case studies of high value niche horticulture crops. Phase 2 has produced a database and maps of underutilized arable land in the Fraser Valley. Phase 3 is the supply of a land leasing guide to enable capital poor new farmers to access leased land to begin their new farming enterprises. Phase 4 has included support for vegetable trials conducted by Dr. Renee Prasad and her students, and by Dr. Laila Benkrima. The project is to be completed February 2018.

4. **BC Hazelnut Growers Association** marketing and development of small lot equipment due March 2018. ACE has taken on an advising role to the BC Hazelnut Producers Association in support of the revitalisation of hazelnut production in the Fraser Valley since 90% of orchards were destroyed by the Eastern Filbert Blight. This past year ACE has provided marketing and research support. Students created a promotional brochure, and supplied information on underutilized arable land in the Fraser Valley that may have potential as new hazelnut orchards. ACE is in discussions with the BCHGA and UFV Trades and Technology to sponsor a student competition to design small lot hazelnut harvesting tools in Fall 2017.

H. **Publications, Presentations, and Reports**

**Publications**


**Presentations**

I. Plans for the coming year

The work of the centre is very broad and is highly dependent on creating and maintaining partnerships within the university, our communities, with all levels of government and with all other post-secondary institutions in BC. In addition, ACE is dependent upon a single 5/7 time faculty member (director) and a part-time auxiliary administrative assistant. Consequently, one priority activity this year will be to establish stable funding to support a full time director, a full time administrative assistant and a shared research manager.

Research on the following projects are in process and are expected to be complete in the coming year:

1. Diversifying the Agri-Food Economy in Punjab – due September 1, 2017;
2. Building Agricultural Resilience – two year project funded by Abbotsford Community Foundation due to be completed by March 2018;
3. Publish Low Tech Urban Agriculture Handbook; and
4. Coordinate collaboration between Applied and Technical Studies and the BC Hazelnut Growers Association to develop new small scale harvesting tools.

Future Centre Activities

1. ACE Network to host industry research needs meeting in Fall 2017;
2. Create a digital portal/gateway for research dissemination and extension training;
3. Continue to contribute to the Climate Action Initiative and the Sustainable Food Systems Network;
4. Continue working with the Network to develop a multi-institutional Succession Planning and Mentoring curriculum;
5. Support the work of the Chilliwack Agriculture Commission and the Abbotsford chamber of Commerce Agriculture Committee;
6. Continue to manage the Surrey Biopods, secure sustainable funding, and coordinate research. This facility requires approximately $40,000 in project funding each year to maintain the growing and teaching obligations that UFV has entered with John Volken Academy and the City of Surrey;
7. Produce two agriculture teaching videos and host a Case Study writing workshop in collaboration with the UFV School of Business;
8. Submit a proposal to establish a poultry research and education chair;
9. Meet with all UFV faculty councils to encourage interdisciplinary approaches to agriculture training and research;
10. Establish a database of potential ACE research associates from other UFV academic units;
11. Establish an executive training program and research consulting service with the China Council for the Promotion of National Trade;
12. Host two public lectures on agriculture related themes; and
13. Apply for funding to support the work of the Centre.
Centre for Food and Farmland Innovation (CFFI)
Formerly known as the Agriburban Research Centre
Director: Dr. Lenore Newman

www.ufv.ca/agriburban
September 2016 – May 2017

Report prepared by: Dr. Lenore Newman and Dr. Lisa Powell

Highlights:

1. The advisory board worked to rebrand the Centre and define the major research streams of the Centre. The name was changed from the Agriburban Research Centre to the Centre for Food and Farmland Innovation.
2. CFFI secured a three year, $105,000 grant to study culturally diverse and innovative crop options, and plans for long-term financial sustainability were advanced.
3. Dr. Newman gave over fifty radio, TV, and print media appearances upon the publication of her first book, Speaking in Cod Tongues. Many of these reflected upon work conducted by CFFI.
4. Publication of a paper on farm stands in the Fraser Valley co-authored with five UFV students.

A. Purpose

VISION:
The Centre for Food and Farmland Innovation is dedicated to food security through sustainable land use.

MISSION:
The Centre for Food and Farmland’s mission is to explore agricultural land use on the rural-urban fringe through rigorous applied interdisciplinary research, and to engage communities in developing best practices in support of food security through sustainable land uses.

This year Dr. Newman and Dr. Powell worked with the advisory board to develop streams of research for the Centre. CFFI is an interdisciplinary centre initially drawing on UFV Geography and the Environment and UFV Agriculture. Our research brings together researchers, community and student involvement. The Centre’s draft research streams are; the preservation and utilization of farmland, culturally diverse crop innovation, agritourism and value added activities, food futures, and improving the undergraduate research experience. These research streams will continue to guide the development of the centre.

B. Membership and Governance

The advisory board of CFFI continues to consist of director Dr. Lenore Newman, senior researchers Cherie Enns and Garry Fehr, and Brendan Hurley, an urban planner working in the Lower Mainland
region (currently on contract with the City of North Vancouver). CFFI postdoctoral scholar Dr. Lisa Powell sits in on board discussions on an as needed basis.

The membership of the Centre was stable over the last year. Currently the Centre is managed by a director (Lenore Newman) and four senior researchers (Tom Baumann, Michelle Rhodes, Cherie Enns, and Garry Fehr). Our current postdoctoral scholar remains Dr. Lisa Powell, who takes an active role in managing CFFI and its projects. Dr. Denver Nixon of Oxford University remains a research associate of CFFI. Our active research affiliates remain Dr. Hannah Wittman, academic director of UBC Farm at the University of British Columbia, Dr. Ann Dale of Royal Roads University, and Dr. Chris Ling of Royal Roads University. Dr. Nathan McClintock of Portland State University and Dr. Pablo Bose of the University of Vermont are no longer associated with the Centre now that our shared SSHRC-funded project has ended.

Research associate Katherine Newman of the University of Victoria continues to provide web design for the Centre on a volunteer basis. University of Victoria doctoral candidate Sam Grey will join our team as a research associate for part of 2016 and 2017.

Postdoctoral scholar Lisa Powell’s bio: Lisa completed an M.A and a Ph.D. in American Studies and Sustainability from the University of Texas at Austin, M.S. in Mathematics from Vanderbilt University, and a B.A. in Mathematics from Harvard University. Her work focuses on agricultural land use; agriburbia; food systems and policy; natural resource extraction and transport (coal, oil); and cultural meanings and interpretations of foods. She has published numerous articles in academic journals, and her first sole-authored book is under contract for publication in early 2018, *Understanding Agriburbia: Conflict and Innovation on the Rural/Urban Fringe*. [Complete]

C. Partnerships

This year saw the completion of Dr. Newman’s SSHRC Insight grant, which was a partnership with Dr. Hannah Wittman, academic director of UBC Farm. Dr. Wittman is an Associate Professor of Food, Nutrition & Health at the University of British Columbia. Her research projects examine the ways that the rights to produce and consume food are contested and transformed through struggles for agrarian reform, food sovereignty, and agrarian citizenship. Areas of empirical focus include: agrarian reform settlements, citizenship and food sovereignty in rural Brazil in collaboration with the Landless Rural Workers Movement (MST); socio-ecological resilience and community-based resource management in Guatemala; and local food system transformation, farmland protection initiatives, farmers’ markets and community-based farming in British Columbia, Canada. This year the bulk of the work with CFFI involved writing and presentation of results, along with final fieldwork in Hawaii County. Dr. Wittman co-supervises Dr. Lisa Powell and co-funds her position. Going forward Dr. Newman and Dr. Wittman are working on a new SSHRC Insight grant to continue the work of the first SSHRC. Dr. Newman will lead this project. The first attempt at funding was unsuccessful but a new submission is being produced for the fall of 2017.

Another partnership includes the Department of Agriculture and the Agricultural Centre of Excellence researching innovative crops in the Fraser valley. This new partnership studies emerging crops suitable to farmland on the rural/urban fringe such as hops, haskaps, goji berries and other new crops. An initial project was designed by Dr. Newman, Dr. Powell, Dr. Fehr of ACE, and Dr. Prasad, and a request for funding was submitted to the Real Estate Foundation of BC. We were successful in this funding and have begun the project. This project will dominate CFFI’s research efforts this year.
D. Students

2016/2017 was a good year for student participation at CFFI. Our outgoing group of students completed work on our study of farm stores within the ALR in the Fraser Valley, leading to a publication:


2. This year (2017) a new team of students, Dayle Csizmadia, Corinna Fair, Ema Low, and Melissa Regamble, completed a project examining the presence of Indian restaurants in the Fraser Valley. They conducted interviews, mapping and longitudinal photodocumentation to better understand these institutions. We are now preparing a paper summarizing this work.

E. Relevance of activities to the community

1. CFFI remains committed to community engagement across the Lower Mainland.
2. Dr. Newman and Dr. Powell delivered a webinar on understanding organic labelling in British Columbia, which was attended by over fifty health professionals from across the province.
3. Dr. Newman sits on the board of the Abbotsford Agricultural Trust.
4. Dr. Powell takes part in the SustainBC/BC Food Systems Network “Farmland Protection and Production” Action Team, the SustainBC/BC Food Systems Network “New Entrants” Action Team, and on the Farm to School Vancouver Region Advisory Board.
5. Our larger work on farmland preservation remains popular with a wider range of community groups.

F. Funding Received

1. (Fall, 2016) Real Estate Foundation grant, Innovative crops, Value $105,000. This three year project is a collaboration between CFFI, ACE (Garry Fehr), and Renee Prasad from the Department of Agriculture. We are researching potential innovative crops for Fraser Valley Farmers, including ethnically diverse crops such as okra. CFFI is conducting exploratory and cultural research, and ACE and Agriculture are conducting field trials of select crops.

2. (Fall, 2016) CFI infrastructure grant, Agricultural applications of remote aerial sensing, Value $35,000. With the renewal of the Canada Research Chair we also received CFI money to develop aerial sensing and photography capacity. We are developing a plan to best utilize this opportunity.

Support provided for:

1. (Spring 2017) Metro Vancouver Agriculture Awareness, Development of Online Food Systems Research Briefs and Webinars, $2000 (with Hannah Wittman, to support IAF project listed below), June 2017-January 2018.

2. (In final round adjudication) Investment Agriculture Foundation of British Columbia, A Web Portal to Support BC’s Diversified Agrifood Producers, $102,000 (with Hannah Wittman; Lenore Newman, Rickey Yada, and Garry Fehr in advisory roles), July 2017-July 2020.
G. Research

1. Initial research for the culturally diverse crops project, including literature reviews and theoretical grounding work completed by Dr. Newman, Dr. Powell, and Sam Grey. Dr. Powell worked with Renee Prasad to link in the practical field trial component of this project overseen by ACE.

2. Dr. Newman prepared a proposal for a second book that focusses on the future of food and the human impact on our culinary diversity. This proposal was accepted by ECW Press of Toronto, and initial research and writing has begun.

3. Dr. Powell continues to coordinate an extensive research program with Dr. Hannah Wittman in the area of farm to institution.

4. Work on Dr. Newman's agriburban SSHRC project was completed, with a final field case of Hawaii County completed in December of 2016. Final papers are in preparation.

5. Research with a team of students to gather data on Indian restaurant development in the Fraser Valley.

6. Dr. Newman and Dr. Powell prepared a literature review on organic food for the Provincial Health Services Authority.

H. Publications, presentations, and reports

Publications:


(Submitted) Powell, L.J. and Newman, L., Farm to Cart: The Role of Local Food in Portland’s Street Food Landscape. Submitted to Social and Cultural Geography [peer reviewed].

Presentations:


(2016, June 24th) Newman, L. Green Meat (panel discussion), Canadian Association of Food Studies, Toronto.

(2016, June 23rd) Newman L, & Vadi, P. Culinary Multiculturalism, Canadian Association of Food Studies, Toronto.

(2017, April 18th) Powell, L. Evaluating Farm to School, Farm to School Vancouver Spring Celebration.

(2017, January 26th) Powell, L. Farm to School organizing in British Columbia as a pathway to supporting food sovereignty goals, Food, the Future, and You: UBC Centre for Sustainable Food Systems Symposium.


I. Plans for the coming year

Much of the work of CFFI this year involves refining the work of the Centre to better reflect the rebranding, and to better compliment the work of the Agricultural Centre of Excellence. To this end the Centre website will be redesigned, and the structure of the Centre revisited through discussion with the advisory board.

This year CFFI will be submitting a SSHRC Insight Grant to fund expanded exploration of culturally diverse crops. In addition, we are waiting for final results from the VanCity Enviroyfund program as we have proposed a project to better link local restaurants with local farmers (This grant has been successful in the first round of the competition). We continue to develop plans for the long term financial sustainability of the Centre as well.

This year will see a number of ongoing projects reach the dissemination stage. We will be writing up the results of our study of rural Indian restaurants, and are crafting an overview paper that summarizes theoretical findings into the long term sustainability of the Agricultural Land Reserve. Dr. Newman has been invited to give a speaking tour in Australia in the spring of 2018, and Dr. Powell and Dr. Newman are giving a keynote to secondary teachers in Vancouver in the fall of 2017. Dr. Newman is also working on a book length project addressing the future of the food system, with an estimated completion date of 2018. A second student-coauthored paper is also in preparation.
A. Purpose

The South Asian Studies Institute (SASI), previously known as the Centre for Indo Canadian Studies (CICS), is the University of the Fraser Valley's nexus point where scholars from UFV programs, Indo Canadian community members as well as groups from all sectors of the community, and international visitors, students and scholars from India/South Asia come together. SASI was approved by the university in May 2017. This report reflects the activities of the Centre.

The Centre supports the development, maintenance and strengthening of linkages that lead to diverse experiences for students, faculty and community. The Centre also initiates and supports India Canada studies, programs and activities that promote the study of and engagement with the sub-continent and the Indo Canadian Diaspora. The research arm of the Centre undertakes research and supports Associates of UFV to undertake research in their special areas, as well as responding to broader needs as they arise. The Centre is a hub and repository of the pioneering history of the Indo Canadian Diaspora while assisting in the development of much needed research that benefits members of the community, government and the many facets of academia. The Centre is a hub of information for people who want to do business with India and who want to understand the relationships and opportunities between our two countries. It enhances the economic contribution of the Indo-Canadian community in BC. The Centre became an Institute in May 2017.

B. Membership and governance

CICS reports to the AVP Research, Engagement and Graduate Studies. The Centre is directed by a Director, Dr. Satwinder Bains, and coordinated by a Coordinator, Sharanjit Sandhra. The BC Regional Innovation Chair on Canada India Business, Community and Economic Development is housed within the Centre.

CICS supports and seeks collaboration from nine Faculty Associates (FA), and two FA Emeritus. CICS has a Community Advisory Committee made up of UFV members and community members. Both the Director and the Chair give timely reports to this Committee (three times a year).

http://ufv.ca/sasi/governance/advisory-committee/
CICS has an Internal Management Committee made up of UFV senior administrators.

**Membership categories, the conditions of membership, and procedures for evaluating and renewing membership**

Faculty Associates (FA) join the Institute upon the invitation of the AVP Research and receive an Associate title upon joining the CICS. Associates receive the Senior Associate title based on research activity collaboration with the Institute. Senior Associate terms are renewable for five year terms if active collaboration with the Institute continues.

**C. Partnerships**

1. International Women’s Day – Fraser Valley Coalition for Women
2. Fraser Valley Indo Canadian Business Association
3. The Reach Gallery Museum, Abbotsford
4. The Sikh Heritage Museum, National Historic Site Gur Sikh Temple
5. Royal BC Museum, Victoria
6. Pathways to Prosperity
7. Dasmesh Punjabi School
8. Indus Media Foundation
9. Khalsa Diwan Society, Abbotsford
10. Mehfil Magazine – 100 year journey
11. Panjab University, Chandigarh
12. Punjabi University, Patiala
13. University of Mumbai’s Indo-Canadian Studies Centre
14. St. Bede’s College, Shimla

**D. Students**

1. Yuvaraj Singh (Research Assistant): Yuvaraj worked on four SASI projects: CICS publication of Reluctant Rebellions by author Shauna Singh Baldwin; compiled, digitized and archived the raw data based on the consultations for the Punjabi Legacy Project led by the Royal BC Museum in partnership with the CICS; updated the CICS Donor list and gathered any missing information and compiled an up to date excel data list; census data research project which assessed the migration of South Asians to Canada from 1900-2011.
2. Ankush Goyal (Research Student): The CICS hosted Ankush Goyal, a final year Bachelor of Business Administration student at GGDSD College, Chandigarh in the Fall semester, 2016. Ankush conducted a research project entitled “Doing Business in Canada – an entrepreneur’s perspective”.
3. Samarveer Singh (Workstudy): Samar worked on a number of tasks including: English to Punjabi translation work for an upcoming Sikh Heritage Museum exhibit; preparing outlines for the execution of education kits and data management.
4. Samanpreet Kaur Brar (Paid as an Auxiliary): Samanpreet assisted with the communications and public relations at the Centre for Indo-Canadian Studies; worked on the marketing and logistics of the CICS publication Reluctant Rebellions by Shauna Singh Baldwin; organized CICS research databases that have developed over the last seven years.
5. Bhawandeep Kahlon (Research Assistant): Bhawan worked as a translator at the SASI: translated over 70 pages of the Sikh Heritage Museum guest book responses from Punjabi into English for
an upcoming SASI research project; provided translations for the Canada 150 exhibit on the South Asian Franchise curated by SASI.

6. Virendra Kumar (Work Study): Viren has been working on the SASI website change to the new template design; assisting with the overseeing of the Chair website re-design.

7. Amitaj Bhinder (Research Assistant): Amitaj has been hired to re-format, and organize the Chair website for its re-launch under the SASI website.

E. Activities of the Centre

The CICS had four events connecting to a range of community members and stakeholders. The first of these were CICS staff facilitating and managing as well as gathering data from seven community consultations (Abbotsford, Prince George, Vancouver, Surrey, Golden, Kelowna and Duncan) in partnership with the Royal BC Museum. This was phase 1 in an overall project to build a network of BC-wide connections related to Punjabi pioneering history.

(http://www.royalbcmuseum.bc.ca/about/explore/centre-arrivals/punjabi-intercultural-history-project/bcpunjabi).

The second project the CICS undertook was the publishing and editorial introduction of a non-fiction selection of writings by renowned author Shauna Singh Baldwin. The CICS hosted a successful book launch and talk by Shauna where a large gathering came to greet the author and purchase copies of the book.

The third and extensive, seven month long project was the Canada 150 funded exhibit at the Sikh Heritage Museum exhibit on the South Asian Franchise. This project involved the management of three contractual/auxiliary hired CICS staff working on a range of areas including archival research and data management, visual arts and curatorial design. The CICS has published an online catalogue based on the exhibit itself and intensive research data collected during the seven month exhibit design: http://www.ufv.ca/sasi/research/projects/

F. Funding received

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<td>Royal BC Museum 2016</td>
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<td>BC Museums Association 150 2017</td>
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<td>SSHRC Insight Grant 2017</td>
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<td>Work study x 2 students</td>
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G. Research

1. Eight community consultations for the Royal BC Museum
(http://royalbcmuseum.bc.ca/about/explore/centre-arrivals/punjabi-intercultural-history-project/bcpunjabi)

2. Report ‘Race, Racism & Anti-Racism’ conversations at UFV. A report based on the findings of the ‘Postcards from the Margins’ campaign organized by the Race and Anti-Racism Network (RAN). Completion of this project which was conducted on behalf of RAN in 2015.
(http://www.ufv.ca/ran/)

3. (Dis)Enfranchisement 1907-1947: the Forty Year Struggle for the Vote.

4. Curated the National Historic Site Gur Sikh Temple Sikh Heritage Museum exhibit

H. Publications, Presentations, and Reports

Publications


Presentations

Bains, S. (May 2016) Pro-D Day. *Teaching Race in the Classroom*. Presentation at UFV.


Bains, S. (Feb 2017) *Identity and multiculturalism*. Political Science Exhibit, UFV.


I. Plans for the coming year

Renaming and Rebranding:

We will be working on developing the mandate of the South Asian Studies Institute which is replacing the Centre for Indo Canadian Studies.

The Institute will:

1. Initiate and engage in studies in relation to South Asia (a specific move away from “Indo Canadian Studies”), including current and contemporary topics.
2. Promote the study of and engagement with the Canadian South Asian Diaspora.
3. Undertake relevant and timely research and initiate collaborations with Faculty Associates and other individuals/institutions to undertake collaborative research.
4. Maintain a hub of knowledge and research.
5. Support the building and enhancement of a repository of the Canadian South Asian Diaspora’s pioneering history that benefits academia, members of the community and informs Canadian history.
6. Work collaboratively with the BC Regional Innovation Chair on Canada-India Partnership Development. The Chair as a conduit provides critical linkages, business knowledge and information on doing business with India/Canada for those who want to take advantage of the opportunities and relationships between our two countries.

Publications:


Projects:

Funding confirmed
1. BCMA Funded Punjabi Legacy Project: Histories of the Regions
2. SSHRC funded project on South Asian Canadian Digital Archive – www.sacda.ca
3. CIHR funded SPOR - South Asian Knee Replacement Patient Research Priorities
4. Canada 150 funded – (Dis) Enfranchisement Exhibition catalogue

Unconfirmed: projects in process
SSHRC grant for follow up on 2016 Connections Grant for digital archive project 2017/18
A. Purpose

The purpose of the Centre for Public Safety and Criminal Justice Research is to provide research and consulting expertise to criminal justice agencies, governments, public safety agencies, municipalities, and community organizations on issues related to improving the efficiency and effectiveness of public safety operations, programs, partnerships, and initiatives in crime reduction. More broadly, the mission of the Centre for Public Safety and Criminal Justice Research is to: Assist government agencies related to public safety to evaluate crime reduction programs, policies, strategies; Propose evidence-based initiatives to the criminal justice system and agencies of public safety to reduce crime; Provide a full range of analytic solutions to allow public safety agencies and the criminal justice system to be information and intelligence led; Evaluate emerging hardware and software solutions and to make recommendations on their adoption by public safety agencies; Develop solutions to share with police and other public safety agencies to increase their efficiencies and effectiveness in preventing, responding, and reducing crime; Provide learning opportunities for students, including applied and research skills; and train students and researchers in the latest crime and intelligence analysis software. The Centre for Criminal Justice Research is firmly established as the place for independent data analysis, program and policy evaluations, and criminal justice/public safety technology assessments.

B. Membership and Governance

The Centre has a Director, Dr. Irwin Cohen, who is responsible for the functioning of the Centre and maintaining the Centre’s website. This is an unpaid position and does not include any releases. The Centre has an advisory board composed of Dr. Amanda V. McCormick (School of Criminology and Criminal Justice), Dr. Amy Prevost (School of Criminology and Criminal Justice), Dr. Ken Brealey (University of the Fraser Valley), and Len Garis (Fire Chief – City of Surrey and Adjunct Professor - (School of Criminology and Criminal Justice).

C. Partnerships

1. Federal RCMP
2. ‘E’ Division RCMP
4. British Columbia’s Transit Police
5. British Columbia’s Provincial integrated units, specifically the Integrated Homicide Investigation Team (IHIT) and the Integrated Municipal Provincial Auto Crime Team (IMPACT), the Real-Time
Intelligence Centre (RTIC-BC), The Combined Forces Special Enforcement Unit BC (CFSEU), and Integrated National Security Enforcement Teams (INSET)

6. British Columbia Provincial Agencies, such as I.C.B.C, the Office of the Superintendent of Motor Vehicles, BC Hydro, and British Columbia Lottery Commission

7. Fire Services of British Columbia, City of Surrey Fire Services, City of Richmond Fire-Rescue Services, The BC Fire Chiefs Association, and the National Fire Chiefs Association

8. Federal Canadian Agencies, such as Health Canada, Department of Justice Canada, National Parole Board, and Correctional Services of Canada

9. British Columbia Municipal Government, such as the City of Surrey, the City of Abbotsford, the City of Chilliwack, the City of Langley, the City of Richmond, and the City of Burnaby

10. The crime lab at British Columbia Institute of Technology and the ICURS lab at Simon Fraser University

11. IBM Canada

12. Abbotsford Restorative Justice & Advocacy Association

D. Students

1. Amanda Stewart – Research Assistant, VPD Cadet Program Evaluation, Evaluation of Burnaby RCMP Detachment, CPO Study

2. Emily Ryback – Research Assistant, VPD Cadet Program Evaluation, Evaluation of the RTIC-BC

3. Anna Neinhuis – Research Assistant, VPD Cadet Program Evaluation

4. Jessica Jahn – Research Assistant, VPD Cadet Program Evaluation


7. Brad Galloway – Research Assistant, VPD Cadet Program Evaluation, CPO Study

8. Claudia Stancec – Research Assistant, VPD Cadet Program Evaluation

9. Marie Morris – Research Assistant, Evaluation of Burnaby RCMP Detachment

10. Ruben Timmerman – Research Assistant, Evaluation of Burnaby RCMP Detachment

11. Nikki Dionne – Research Assistant, Evaluation of Burnaby RCMP Detachment

12. Christine Neudecker – Research Assistant, Evaluation of Burnaby RCMP Detachment, CPO Study

13. Trevor Johnson – Research Assistant, CPO Study


15. Jay Gill – Research Assistant, Evaluation of the RTIC-BC


E. Activities of the Centre

The activities of the Centre have a number of aspects that are relevant to the community. The Centre’s website is a source of current police, fire, and public safety research that can be accessed by anyone. Many new publications have been posted on the Centre’s website this year. In addition, the website houses a public safety search portal that provides access to thousands of reports, articles, books, legislation, and other data from Canada and around the world. The Centre has also established a YouTube channel to post videos. As a result of the website, all of the research conducted by the Centre is made available to anyone. Recently, a partnership has been formed with the United Kingdom where their research portal has been linked to the Centre’s providing even wider access to critical research.
In terms of specific research projects, perhaps the largest studies that the Centre undertook during the last year was the review of the Real-Time Intelligence Centre for the Province of British Columbia and the review of the Burnaby RCMP, and the conclusion of a longitudinal study evaluating BCLC’s voluntary self-exclusion program. Given the nature of the Centre, it is constantly in consultation with the community on a wide range of issues, ranging from policing issues, to domestic violence, to terrorism.

F. **Funding**

BCLC’s Voluntary Self-Exclusion Project: $53,707.50  
A Review of the Burnaby RCMP Detachment: $118,750.00  
Public Safety Survey for the West Vancouver Police Department: $44,812.50

G. **Research**

1. Best practices in domestic violence prevention through police intervention  
2. An evaluation of BCLC’s self-exclusion program  
3. An evaluation of the RTIC-BC  
4. A review of the Burnaby RCMP detachment needs  
5. A socio-economic and demographic analysis of property crime in the lower mainland  
6. A literature review of firearm legislation and illegal firearm use  
7. A review of Community Police Offices in 3 RCMP jurisdictions  
8. A public safety survey for the West Vancouver Police Department

H. **Publications, Presentations, and Reports**

**Peer Reviewed Publications**


**Research Reports**


Presentations by Dr. Cohen:

Plans for the coming year

As in previous years, the Centre will engage in a number of research projects over the next year. At this point, the Centre has a research proposal being evaluated by BCLC to conduct a longitudinal study of the VSE Program, in addition to continuing its work evaluating the Vancouver Police Department’s Cadet Program, and the development of a mental health aid for RCMP youth workers. The Centre is also consulting with the City of Surrey to assist them in evaluating their forthcoming public safety strategy.
A. Purpose

The Luminescence Dating Laboratory is an externally-funded laboratory that conducts original research on long term environmental change. It also helps UFV achieve its goal of expanding inquiry-based learning. The laboratory is a place where UFV students can acquire advanced scientific training and learn from being involved in real cutting-edge research; they interact with graduate students and visiting scientists from other universities and government institutions, thus giving them opportunities that are, in most cases, only available to undergraduate students at larger institutions. The Luminescence Dating Laboratory has been recognized formally in the 2016-2020 UFV Strategic Research Plan within one of its priority areas. Training and learning done in the laboratory is based on a program of supervised student mentoring where UFV undergraduate research students, who have been trained by its director, Dr. Olav Lian, work closely with and are mentored by MSc and PhD students, and a postdoctoral fellow, that are also under his direct supervision. Senior undergraduate research students often conduct independent research of their own, often of a caliber that can be published and/or presented at professional conferences. To attract the external funds necessary to operate the laboratory, all of the research conducted in it, or at least the vast majority of it, must be of a high caliber so that it can be published in high-impact peer-reviewed journals. This also serves to attract good graduate students from other universities, which also is required to attract funds from NSERC and other funding sources. Another purpose of the laboratory is to provide UFV students with employment (i.e., paid research experience) and as such, all students conducting research in the laboratory are paid. Part-time students are paid through the UFV Work-Study Program, or from external grants held by its director. Students that work more than part time (≥20 hours per week) are paid from funds acquired through external research collaborations, from the director’s NSERC Discovery Grant, or through the NSERC Undergraduate Student Research Award (USRA) program.

B. Membership and Governance

The laboratory is directed and managed solely by Dr. Olav Lian, with the assistance of a full-time postdoctoral fellow, Dr. Christina Neudorf, and senior research students. To date, Dr. Lian alone has been responsible for the acquisition of the external funds necessary to keep the laboratory operational.

C. Partnerships

1. Natural Resources Canada (Geological Survey of Canada); Dr. S.A. Wolfe, Mr. R. Paulen
2. B.C. Ministry of Energy & Mines; Dr. A.S. Hickin
3. Simon Fraser University: Dept. of Biological Sciences (Dr. R.W. Mathewes), Dept. of Earth Sciences
4. (Drs. J.J. Clague and B.C. Ward), Dept. of Geography (Dr. T.A. Brennand), Dept. of Archaeology (Dr. D. Lepofsky)
5. University of Victoria: Dept. of Earth & Ocean Sciences (Dr. V. Levson), Dept. of Anthropology (Mr. D. Fedje and Dr. D. McLaren)
6. Arizona State University, School of Earth and Space Exploration; Dr. Ian J. Walker.
7. Royal BC Museum (Dr. R.J. Hebda)
8. University of Montana, Dept. of Geological Engineering (Dr. L. Smith)
9. University of Calgary, Dept. of Geography (Dr. C.H. Hugenholtz)
10. The Tula foundation/Hakai Institute (Dr. E. Peterson, president)
11. University of Saskatchewan, Dept. of Geography & Planning (Dr. Alec Aitken)

D. Students

The students and PDFs listed below were active during the reporting period, although some had graduated previously. In the case of graduated students, activities included writing up their research for publication and assisting with others’ research. Research projects are too numerous and complex to summarize here, but are all related to understanding the nature and timing of landscape change in the BC Interior, the BC central coast, the Canadian prairies, and in Patagonia (southern Chile and Argentina).

1. Libby Griffin, BSc UFV 2013, NSERC USRA student summers 2013, 2014; currently SFU MSc student under Lian’s supervision (thesis defense scheduled for June 13, 2017)
2. Dave Sacco, BA (Hons) UFV 2008, SFU MSc student under Lian’s co-supervision (defended in fall 2012)
3. Dr. Andrew Perkins, SFU PhD student under Lian’s co-supervision (defended in fall 2015)
4. Corinne Griffing, SFU PhD student under Lian’s co-supervision
5. Dr. Adrian Hickin, UVic PhD student under Lian’s co-supervision (defended in 2013)
6. Jordan Bryce, BSc (Hons) UFV 2016, NSERC USRA research student, summers 2014, 2015, and 2016; work-study student fall and winters of 2014, 2015, and 2016; currently SFU MSc student under Lian’s supervision.
7. Travis Gingerich, BSc (Hons) student UFV, NSERC USRA research student, summers 2015, 2016, 2017
8. Jordan Eamer, UVic PhD student under Lian’s co-supervision (defended April 17, 2017)
9. Alex Lausanne, UVic MSc student under Lian’s co-supervision
10. Jonathan Cripps, SFU PhD student
11. Dr. Dan Shugar, UVic Postdoctoral Fellow under Lian’s co-supervision, fall 2012 – 2015
12. Dr. Christina Neudorf, UFV Postdoctoral Fellow under Lian’s supervision, fall 2012 – spring 2016, Research Associate spring 2016 – present

E. Relevance of activities to the community

As the research conducted in the laboratory, and that conducted by its external collaborators, is associated with understanding the nature and timing of changes to the landscape as a result of long-term changes in climate, its activities have no immediate relevance to the community. However, the discoveries made in the laboratory should enable predictions to be made about future landscape change, including that in the Fraser Valley, in response to significant shifts in climate. Since the opening of the laboratory in 2007 its research has been presented to the community in local Abbotsford and
F. Funding

External

1. NSERC Discovery Grant: $110,000 (2017-2022)
2. NSERC Discovery Grant: $110,000 (2011-2016)
3. NSERC USRA grants: $4500 (summer 2017)
4. Hakai Network: $322,000 over 4 years (2102-2016), for PDF and MSc salaries, research stipends, and lab research grants. Additional $20,000 expected on summer 2017
5. Hakai Network: ~$3000 (transportation to field site, summer 2016)
6. NRCan: $5200 (2016)
7. Hakai Network: funds for lodging, meals while conducting field work on Calvert and Quadra islands for 10 days (undisclosed amount)

Internal

1. Research option releases to Lian
2. Work-study student positions (2 during reporting period)
3. Scholarly Activity Option award

G. Research

All of the research listed below is on-going, although components have been completed and published.

1. Research on the timing and nature of construction of clam gardens (ancient First Nations aquaculture structures) on Quadra Island, BC central coast
2. Research on climate-driven postglacial lake evolution and sand supply, southern Canadian prairies
3. Research on nature of coalescence of Cordilleran and Laurentide ice sheets, northeastern BC
4. Research on glacial landform assemblages, northern BC
5. Research of ancient First Nations occupation sites, Quadra Island, BC
6. Research on the character and timing of near-shore sedimentary landforms, Calvert Island, BC
7. Research on the nature and timing of the demise of the Laurentide Ice sheet, Northern Quebec

H. Publications, Presentations, and Reports

Peer-reviewed journal papers: published and in press (students and PDFs indicated by an asterisk)


**Conference abstracts (refereed)**


I. Plans for the coming year

Former undergraduate BSc (Hons) student Jordan Bryce began her MSc (via SFU Geography) in the Luminescence Dating Lab in September 2016. Travis Gingerich will continue to be employed as a research assistant via work-study and NSERC USRA awards, and will apply to the BSc Honour program in fall 2017. Libby Griffin has completed writing her MSc thesis, and is slated to defend it on June 13, 2017. A new UFV undergraduate research assistant will be sought in fall 2017. Dr. Christina Neudorf will continue working in the laboratory during the 2017-2018 academic year, as a research associate, while teaching courses at SFU. Christina will continue her central coast research, begin a new project in Saskatchewan, and help me train and supervise research students. As always, the main focus in the laboratory in the coming year will be to process samples, measure, and analyze data associated with our field work in the previous year. Olav Lian will work on several manuscripts and continue to co-supervise several external graduate students associated with the laboratory. Spring and summer 2017 will see further field work on Calvert and Quadra islands, BC. Other sources of major funds will continue to be sought in order to update major equipment that has, in many ways, become outdated.
A. Purpose

The Centre's vision is to work collaboratively and extend the practice of community development beyond the Fraser Valley region into the global context. To this end, the CGD promotes and encourages research and programs on sustainable human and community development in order to facilitate positive change.

In concert with Canada’s development priorities, the United Nations Sustainable Development Goals, and international human rights standards, the Centre focuses on these key areas:

1. Good governance, peace, justice and strong institutions
2. Children and development
3. Environmental sustainability
4. Education and Training
5. Food Security

B. Membership and Governance

The Centre for Global Development is managed by the lead associate and the management committee comprised of one associate of the CGD and an external member which provides oversight to ensure transparency and accountability. The lead associate is appointed by the AVP Research, Engagement and Graduate Studies. The management committee provides advice and guidance on the CGD’s activities, programs, strategic planning and plans for seeking funding for research activities. Associates of the CGD are UFV faculty and staff who are committed to teaching and research in the area of development in both the local and global contexts.

Lead Associate: Prof. Edward Akuffo
Associates: Prof. Garry Fehr, Prof. Satwinder Bains, Prof. Yvon Dandurand, Prof. Cherie Enns, Prof. Ding Lu, Prof. Hayli Millar, Prof. Stephen Piper, Prof. Gayle Ramsden, Mr. John Potts
Management Committee: Prof. Edward Akuffo, Prof. Stephen Piper, Prof. Steven Schroeder

C. Partnerships

1. Centre for Indo Canadian Studies (UFV)
2. Centre for Rural Research and Industrial Development (India)
3. Panjab University (India)
4. Association of Universities and Colleges of Canada (Ottawa)
5. Centre for Criminal Law and Criminology
6. The World Scout Bureau – African Regional Office (Kenya)
7. Institute of Human Settlements at Ardhi University (Tanzania)
8. Developing Indigenous Resources (India)
9. Shastri Indo-Canadian Institute (Delhi-Calgary)
10. Radford University College (Ghana)
11. Masinde Muliro University of Science and Technology (Kenya)
12. Sri Lanka Centre for Development Facilitation (Sri Lanka)
13. University of Ruhuna (Sri Lanka)
14. UFV International Development Student Club
15. Shanghai University of Finance and Economics (China)
16. East Asian Institute (Singapore)
17. Aga Khan University – East Africa Institute (Nairobi)
18. UN Habitat (Nairobi)
19. UNOPS (Nairobi)
20. University of Nairobi

UFV Geography/GDS, Ardhi Regional University (Tanzania) and Aga Khan University East Africa Institute (AKU) (Internship Program) with funding by QES, Universities Canada.

D. Students

QES (Universities Canada) funded GDS/Geography Internships this past year and included eight (8) completed research internships in East Africa related to food systems with an additional five (5) currently in Tanzania. The partners for this program include Ardhi Regional University (ARU) and Aga Khan University (AKU).

Six (6) students were also funded related to internship placements/work study at UFV and at AKU through the grant related to food systems. This funding is from Global Affairs Canada and in collaboration with AKU.

Multiple students: Cities and Food Conference (Spring 2015/2016) and Global Goals Event (Fall 2015). Students provided primary research data, analysis and played a large role in hosting the event. This event was funded by QES program and a grant from Global Affairs Canada in collaboration with AKU.

There were several local internships with government, NGOs including Run for Water and Amnesty.

E. Relevance of activities to the community

1. The CGD in partnership with other departments, primarily the department of political science, held three Politalk Roundtables in the spring and fall 2016 and winter 2017 to discuss the Brexit Vote and the US Elections that elected Donald Trump as president. The university community and the larger public participated actively in these events. CGD is very grateful for the support it received from the UFV Research Office and the Office of the Dean of College of Arts.
2. In collaboration with the School of Criminology the CGD held a Public Forum on the Urban Agenda of the UN Habitat III Conference in Quito, Ecuador, in October 2016.
F. Funding received

Queen Elizabeth II Diamond Jubilee Scholarship

Photo: Lisa Harrington - Winter 2017 Intern

G. Research

Prof. Edward Akuffo completed the writing of a journal article which will be published in 2017.

The following were completed by Prof. Cherie Enns:

1. Expert Committee Member, UN-Habitat SDG 11
2. Food security in international urban centres (especially East Africa)
3. Effective urban planning with migration due to conflict and climate change
4. International child friendly planning and development policy
5. Addressing homelessness in the Fraser Valley, with the Fraser Valley Regional District and City of Abbotsford

H. Publications

Peer Reviewed


B. Plans for the coming year

The Associates of the center will be strongly encouraged to generate several research proposals and expand the scope of the center’s activities. Potential external funding agencies include Global Affairs Canada, SSHRC, IDRC and other local sources.

The activities that have been planned include but not limited to the following:

1. Prof. Edward Akuffo will be applying for a SSHRC Insight Grant in October 2017. Dr. Akuffo’s research focuses on Canada’s bilateral and multilateral security strategy in Africa.
2. Two Politalk Roundtables in the fall 2017 and winter 2018 semesters would be addressing “Big Questions: Thinking about a new world order?”
4. The continuation with the QES Food Systems research and internship program is to include 4 East African students being funded to spend 3 months at UFV.
5. UN Habitat E-Learning Program is also on-going.
A. **Purpose**

The mission of CERA is to promote collaboration within UFV and the Fraser Valley community around issues of the aging process. CERA’s goals include providing multidisciplinary educational opportunities in aging studies for both UFV students and the Fraser Valley community. CERA members seek to foster relationships and facilitate an ongoing exchange of information on the aging process between UFV and Fraser Valley communities. Finally, CERA members are actively engaged in collaborative and multidisciplinary studies related to aging research.

B. **Membership and Governance**

**Lead Associate:** Shelley Canning – Nursing  
**Members:** Darren Blakeborough (Media and Communication Studies); Shelley Canning (Nursing); Andrea Hughes (Psychology); Lesley Jessiman (Psychology); Jennifer MacDonald (Program Development & Quality Assurance)  
**External Member:** Katherine Watson (Sociology)

C. **Partnerships**

1. Elder College  
2. Imagine Dance – Intergenerational dance company, Lee Kwidzinski artistic director  
3. UBC CRPD (Centre for Research on Personhood in Dementia)  
4. Fraser Health (e.g. Frail Senior’s Programme)  
5. Chilliwack Healthy Community (includes 46 partner agencies in Chilliwack)

D. **Students**

1. 3 student RAs working on Elders & New Media project supervised by Darren Blakeborough. Students: Ally Schurman, Samantha Senff, Clair Sayce  
2. 6 students working on Ageism and Elderspeak studies supervised by Lesley Jessiman and Shelley Canning. Students: Ivy Myge, Gabriel DeRos, Christine Drew, Evan Sidhu, Veronica Draayers, Besart Hysiniu  
3. 1 student RA (Bernadette Yeo) working on an Elder Abuse study supervised by Lesley Jessiman
E. **Activities of the Centre**

The activities of CERA focus on supporting education and engaging in research related to ageing issues. CERA members have participated in the following educational UFV and community events:

   Invited speakers - Dr. Lesley Jessiman & Shelley Canning
2. February 22, 2017: UFV Retirees Presentation on Ageing and Transitioning to Retirement  
   Invited panel member – Shelley Canning
   Invited speaker, Arts-based alternatives in long-term care – Shelley Canning

CERA members are engaged in the following research projects:

1. Elders and New Media Study: this study explores how older adults adjust to the increasingly important role of media and technologies. Interviews have been conducted with older adults exploring their adoption and integration of new technologies. (Darren Blakeborough)
2. Elder Abuse Study: explores perceptions and identifications of elder abuse. The initial study found participants could readily identify incidents of elder abuse but were less likely to identify incidents of emotional/psychological abuse and neglect. The second phase of the study is looking at the factors that influence misidentification of abuse, namely the relationship between the perpetrator and the victim of abuse and the age of the observer/participant. (Lesley Jessiman)
3. Ageism Study: this is a two-part study exploring age discrimination and also a study of elder speak. The age discrimination study is looking at how a degree programme e.g. nursing, psychology, biology and so forth influences ageist perceptions and attitudes. The elderspeak study is looking at how individuals - when talking to older versus younger persons – make over accommodations in their speech. The elderspeak and ageism study has been part of an honours study and has since been taken on by a directed studies student who is now doing an in-depth analysis of the linguistic markers in the elderspeak scripts. (Lesley Jessiman & Shelley Canning)
4. Engagement in Advanced Dementia: explores the experience of engagement for older adults with advanced dementia living in long-term care homes. This is a doctoral dissertation research project. (Shelley Canning)
5. Memory, Culture & Aging. (Andrea Hughes)

F. **Funding**

CERA research has been funded by:

1. SSHRC Aid for Small Universities Grant
2. Faculty of Health Sciences research seed grant

G. **Research**

All CERA members are actively engaged in multidisciplinary research projects that involve community partnerships and provide opportunities for students to learn about the research process through their participation as Research Assistants, Work Study, and Directed Study.
H. Publications, Presentations, and Reports


Yeo, B., & Jessiman, L. (2017). *Young Adults’ Perceptions & Misperceptions of Elder Abuse*. British Society of Gerontology, Swansea, Wales, UK, July. (poster & oral presentation)


Canning, S. (2016). *Understanding the social and emotional engagement of older adults with advanced dementia living in long-term care through their participation in an inter-generational dance programme*. Life with Dementia, Norrkoping, Sweden, October.


I. Plans for the coming year

1. Continue with on-going research and scholarship projects.
2. New interdisciplinary research team has been established including Katherine Watson, Martha Dow, Darren Blakeborough, Lesley Jessiman, Andrea Hughes, and Shelley Canning. This research group is establishing a research project exploring ageing and sexuality.
3. Building a partnership with Elder College: Elder College students will partner with NURS 104 students.
A. Purpose

The Centre for Social Research (CSR) undertakes research that contributes to an understanding of regional and international issues. The Centre emphasizes community relevance, interdisciplinary work, and evidence based policy initiatives that create positive social change. The Centre is responsible for the development, maintenance, and strengthening of linkages that inform and contribute to a greater understanding of communities and society. The Centre is founded on the principles of social justice; facilitating informed citizenship regionally and internationally; and working in collaboration with the community. The Centre provides a forum for interdisciplinary research, a stimulating environment for training/mentoring students, and collegial discussions.

B. Membership and Governance

Membership is open to all faculty and staff engaging in social research at UFV. Many use the Centre on an on-going basis for their projects, while others use it for specific tasks, teaching or for a work place for Research Assistants. Governance is a small committee of four faculty members that meets periodically through the year. Not all associates are active at any given time but use the Centre and lab as needed.

Membership includes:

Communications: Michelle Riedlinger, Linda Pardy, Marcella LaFever
Criminology: Hayli Miller, Tamara O’Doherty, Len Garis
Geography: John Belec, Michelle Rhodes
History: Scott Sheffield, Barbara Messamore
Indo-Canadian Studies: Satwinder Bains
Kinesiology: Alison Pritchard Orr, Kathy Keiver
Political Science: Hamish Telford, Fiona McDonald
Social, Cultural and Media Studies (Sociology/Anthropology): Katherine Watson, Chantelle Marlor, Gabriela Pechlaner, Martha Dow, Darren Blakeborough
Social Work: Lisa Moy, Margaret Coombes

C. Partnerships

1. Abbotsford Community Foundation
2. Abbotsford Community Services
3. City of Abbotsford
4. City of Chilliwack
5. Chilliwack Community Services
6. Chilliwack Social Research and Planning Council
7. Chilliwack School District
8. Fraser Health
9. Surrey Fire Service
10. Vancouver Fire and Rescue Services
11. United Way
12. Chilliwack Healthier Communities

D. Students: Research Assistants

1. Susan Regoczi, How CMHC Shaped the Postwar Geography of Canadian Cities, John Belec
3. Aaron Penner, “Producing lovable monsters” project. Michelle Riedlinger and Chantelle Marlor.
4. 4 RA’s; Kelly Miles, Kelsey Ablitt, Melissa Wing and Colin Nicholl, “British Columbia and the Second World War” project. Scott Sheffield.
5. 3 RA’s; Erin Hryhoriw, Jessica Walesch and Taylor Mutis, Exercise Intervention Study. Kathy Keiver, Alison Pritchard-Orr. Exercise Intervention Study.

E. Activities of the Centre

Please see Research heading.

F. Funding

1. RA funding for (11) students was provided by either RA funding from the UFV Research Office or work study hours.
4. A Response to Illicit Drug Overdoses: Naloxone Administration in Surrey and Vancouver BC. March 2017. Funding from the City of Surrey Fire Services and City of Vancouver Fire and Rescue for Martha Dow and Katherine Watson. $11,000.

G. Research

Martha Dow, Katherine Watson, William Dick, John McKearney, Len Garis, Larry Thomas and Alex Tyakoff conducted a study: A Response to Illicit Drug Overdoses: Naloxone Administration in Surrey and Vancouver BC. March 2017. This research was completed in conjunction with Vancouver and Surrey Fire Services and Fraser Health.
H. Publications, Presentations, and Reports


LaFever, M. (2016). Switching from Bloom to the Medicine Wheel: Creating learning outcomes that support Indigenous ways of knowing in post-secondary education. In Intercultural Education 27(5), 409-424. ISSN: 1467-5986 (Print) 1469-8439 (Online)


Martha Dow, Katherine Watson, William Dick, John McKearney, Len Garis, Larry Thomas and Alex Tyakoff A Response to Illicit Drug Overdoses: Naloxone Administration in Surrey and Vancouver BC. March 2017

I. Plans for the coming year

1. Promote the Center and the Kipp Research Lab to faculty to boost membership
2. Continue to seek research opportunities in the community
3. Develop the CSR website and profile associates research
4. Appoint new lead associate as Dr. Katherine Watson is stepping down from the position after seven years
A. **Purpose**

RAN is a networking and educational space that reaches out to all disciplines, staff, faculty, administrators, and the larger community, to engage in meaningful discourse about current topics and debates that are consistent with RAN objectives and UFV’s strategic priorities. (http://www.ufv.ca/ran/)

The objectives of the RAN are to:

1. Raise awareness about racism and race-related (gender, sexuality, religious, class, dis/ability) issues at UFV, the Fraser Valley, and society at large.
2. Organize events for members of UFV related to race and anti-racism.
3. Bring together individuals and communities at UFV and beyond working on anti-racism, decolonization, and anti-colonial projects.
4. Provide a space for people of colour, Indigenous peoples and allies to work on issues related to race and colonial politics.
5. Resources pending, respond to local, regional, national, and international events and issues relevant to RAN.
6. Facilitate dialogues and discussions within UFV among staff, faculty, administrators and students.
7. Advocate for changes within UFV that are consistent with the above objectives. (RAN, 2011)

B. **Membership and Governance**

Membership in the RAN is fluid with a core group of UFV faculty and staff who regularly attend meetings and organize events. The RAN is governed by an approved set of Terms of Reference and members have access to all documentation through the RAN website (www.ufv.ca/ran). Community members are also regular attendees at our meetings. For the 2016-2017 academic year, Awneet Sivia (Teacher Education Department) and Vandy Britton (Teacher Education Department) co-chaired the RAN.

C. **Partnerships**

Abbotsford Community Services. ACS is an ongoing support to the activities of RAN and partners with RAN in sponsoring activities (e.g. March event, Truth and Reconciliation ART project).

D. **Students**

Students are welcome (and encouraged) to attend both RAN meetings and events. In the past, we have had more consistent representation from the Student Union Society. Unfortunately, we had only sporadic attendance from a couple of students this year.

A concerted effort was and will continue to be made by the chair(s) to have a student representative from the SUS as a member of the RAN.
E. Activities of RAN

This past year the RAN participated in and/or organized a number of activities relevant to UFV and the larger community:

Each meeting began with a formal acknowledgement of territory. This year, meeting agendas included discussion topics of local and global issues/events of relevance to the RAN. These topics were circulated as part of the monthly ‘call to meeting’ message to the RAN membership. While the topics were pre-set, they were intended to inspire broader and, in many cases, more personal reflections on the issues being raised. Various members of the RAN were invited to lead or would suggest topics for discussion. The topics are listed below:

**September 15, 2016:** The importance of reconciliation. Shirley Hardman leading the discussion Video: What is reconciliation? (https://vimeo.com/25389165) with Justice Murray Sinclair and general discussion

**October 20, 2016:** What does it mean to decolonize?  

**December 15, 2016:** Race and Nationality: Social Inventions? Lisa Moy led the discussion. 
Article: https://www.theguardian.com/society/2016/oct/18/racial-identity-is-a-biological-nonsense-says-reith-lecturer

**January 19, 2017:** Colour Code: “Canada's racial divide: Confronting racism in our own backyard”  

**February 16, 2017:** Review and discussion of “Postcards from the Margins” Report (Satwinder Bains and Sharanjit Sandhra)

**March Event (March 28, 2017)** – “Committed Citizens Changing the World” Panel presentations on local, grassroots initiatives in the Fraser Valley by citizens and groups seeking to combat racism and discrimination in all its forms. This event was to commemorate International Day for the Elimination of Racial Discrimination

**April 13, 2017:** "Right Wing Populism and Canadian Universities"  
Article: http://www.cbc.ca/news/canada/manitoba/opinion-campus-right-wing-populism-1.3932742

**May 20, 2017:** Potluck and Kitchen Table Conversations. The Kitchen Table Conversation is a community gathering and dialogue method used to actively engage in topical discussions.

Questions for Discussion that we have used to facilitate our work:

1. How has the work of the RAN facilitated your practices/activities in your roles/contexts?
2. What have you personally taken away from membership in the RAN? Why?
3. What burning questions remain at the forefront for you? Why?
4. What more could the RAN have done for you personally? What more for the UFV community and beyond?

Other noteworthy activities:

a) The RAN list of members and emails was updated and continued to be refreshed throughout the year. Membership grew by 6 members.

b) The RAN Terms of Reference were completed and approved.
c) The RAN supported the reading (in sections) of the *Summary of the Final Report of the Truth and Reconciliation Commission* by hosting Reading Circles once a week from September 2016-March 2017. The reading facilitators were RAN members with other members and non-members attending. Turnout was low overall (less than 10 people per reading), but the TRC Report and subsequent Calls to Action were read in their entirety with discussion opportunities provided during these network meetings.

d) The “*Postcards from Margins*” report was finalized and is posted on the RAN website.

e) In February 2017, a formal statement by the chairs of the RAN was issued to all members following global and local events that were perceived as contrary to the objectives of the RAN. This statement is on the website.

f) The RAN website was designed to become a lasting and community-wide resource site, in addition to providing information about the RAN. The website now includes messages, meeting details, resources and events related to the RAN. ([http://www.ufv.ca/ran/ran-resources/](http://www.ufv.ca/ran/ran-resources/)).

g) The March 28th event, *Committed Citizens Changing the World*, commemorated the International Day for the Elimination of Racism. The event consisted of a panel of local community members engaged in activism and grassroots initiatives to combat racism and discrimination in all its forms. The event began with an overview by Dr. Adrienne Chan who spoke of the need for strong voices, hope and courage in confronting racism and discrimination. The panelists included: Sherry Edmunds-Flett (*LINC* founder), Sue Federspiel (Community Developer), Nerlap Kaur Sidhu (*Voices of Courage*), and Melissa Walter (Professor at UFV). The panel presentations were followed by a question and answer session and we had approximately 50 people in attendance.

h) RAN partnered with Abbotsford Community Services in support of the ‘Truth and Reconciliation through ART Project’ (TRC ART Project). The project aims to deliver arts-centered education programs for diverse secondary school students to learn about the Truth and Reconciliation Commission of Canada, and First Nations, Metis, and Inuu identity and history in Abbotsford and in the Fraser Valley. The goal of the project is to empower and educate students through art projects, story-telling, and cultural knowledge exchange. The project is housed within the Inspirit Foundation.

i) May 2, 2017 UFV Professional Day presentation: “What have we learned from Activists?” The workshop was facilitated by Adrienne Chan, Awneet Sivia, Vandy Britton and Lisa Moy. The workshop presented examples of activism and modelled three ways in which activism could be discussed and developed within classrooms, workplaces or organizations. The presentation is posted on the RAN website.

F. **Funding**

Funding comes in the form of contributions from the Provost and Vice-President’s office, Research, Engagement and Graduate Studies office, and Faculty and Staff Association. No additional funds were accessed during the year.

G. **Research**

“*Postcards from the Margins*” was initiated in February 2015 to raise awareness and generate anecdotal information about racial-phobia, race-related harassment, bullying and discrimination on UFV campuses. Inspired by a similar research project examining gender discrimination, this project focused upon racial discrimination experienced by the students, staff and faculty at UFV. Postcards were placed in various locations around the UFV campuses and people anonymously completed them, stating their
experiences with racism with a collection period between February 1, 2015 and March 18, 2015. Satwinder Bains, with the assistance of a research assistant, oversaw the project. The research was completed in 2015 and the final report was presented and approved at the April 20, 2017 RAN meeting.

H. Publications, Presentations, and Reports

The main presentations were the March event and the Professional Day event in May.

I. Plans for the upcoming year

1. Organize another event or speaker on or around March 21st (The International Day for the Elimination of Racial Discrimination).
2. Offer 2-4 “philosopher café” gatherings outside of RAN meetings to encourage students and faculty to speak ‘freely’ about topics concerning them without the confines or parameters of course-based discussions or graded assignments.
3. Continue to update our website to share resources with the wider UFV community.
4. Possibly organize one additional speaker event.
5. Continue to support the Indigenization efforts of the institution.
A. Purpose

The UFV Molecular Modeling Lab was created in 2001 and in over 16 years of its existence has housed approximately 70 undergraduate students from various departments, including Chemistry, Biology, Physics, Math, and CIS, working on various interdisciplinary projects.

Molecular modeling is an interdisciplinary field where computers and numerical methods of applied mathematics are used to solve precise and approximate physical models of atomic, molecular, and supramolecular systems of interest in physics, chemistry, biology, material sciences, and geosciences. With the advancement of computer technology, the accuracy of its predictions reach the level comparable to experimental and, as a result, molecular modeling complements and increasingly replaces often costly and dangerous experimental work.

B. Membership and Governance

The lab is supervised by a lab director whose duties include:

1. Student supervision, including:
   1.1 Interaction with many students on a regular basis (at least once a week to discuss their progress, if there are no problems with their projects, or more frequently - as necessary, when problems arise);
   2.1 Assisting them with producing written reports, posters, paper drafts, or oral presentations;
   3.1 Chairing research seminars; and
   4.1 Directing self-education on research-related topics.

2. Dissemination of the research results, including:
   1.1 Preparation and submission of papers; subsequent communications with editors and publishers; and
   2.1 Identifying appropriate professional conferences; encouraging student participation in these conferences.

3. Administrative duties, including:
   1.1 Identifying potential sources of funding; writing grant proposals;
   2.1 Identifying potential collaborations; formulating projects of mutual interest;
   3.1 Securing computer resources through competitive Compute Canada’s yearly allocation process; writing resource allocation proposals;
   4.1 Securing funding for student travel (to conferences or as part of collaboration); and
5.1 Making sure that the laboratory research infrastructure, including but not limited to computer hardware and software, is adequate.

C. Partnerships
n/a

D. Students

In the reporting period, three graduate students and five undergraduate students worked on a variety of different research projects.

7. Lauren Ell (UF, UFV). MD simulations of crown ethers and their complexes.

Miranda Louwerse, Abigail Sherwood, Lauren Ell, and Darryl Wilson received NSERC USRA’s in 2016. Miranda Louwerse and Darryl Wilson received NSERC USRA’s in 2017. Miranda Louwerse received the 2016 UFV Undergraduate Research Excellence Award for Chemistry. Darryl Wilson received the 2017 UFV Undergraduate Research Excellence Award for Chemistry. Miranda Louwerse received an NSERC Canada Graduate Scholarship –Master’s in 2017.

E. Activities of the Lab

Student training occupies a central part of the work in the Molecular Modeling Lab. Both undergraduate and graduate students participate in the research conducted in the lab. Interaction between graduate and undergraduate students makes their learning experience significantly richer. The Lab provides the access for undergraduate students to discover learning through a supervisor-guided interdisciplinary research and serves as a hub, where students can exchange their ideas and help each other in solving problems.

F. Funding

1. NSERC Discovery Grant $20,000.00 per year (2015-2020)
2. UFV Research Option and Scholarly Activity
3. NSERC USRA
4. UFV Workstudy
G. Research

Research achievements:

1. **Reaction profiles and energy surfaces of compressed species.** By 100-300 kbar the strength of intermolecular interactions reaches the level of intramolecular forces, which unveils completely new patterns of chemical reactivity. Since kinetics and mechanisms of condensed-phase reactions are described in terms of their energy surfaces, chemical effects of high pressure can be assessed through analysis of pressure-induced deformations of free energy surfaces of solvated reaction systems. While exact calculation of free energy surfaces is possible using first principles MD, computational costs makes such calculations impractical for large systems. We formulated an alternative approach, in which the effect of high pressure on reaction profiles and energy surfaces is assessed either by quantum mechanical (QM) calculations of reaction systems in a compressed inert matrix or by an approximate expression describing the deformation of the reference-pressure energy surface by a pressure-dependent expansion work term. The results matched within 0.5kJ/mol. The method was used to discuss pressure effects on model systems and hydrogen transfer and Sn2 reactions. The pressure-induced deformations of the energy surfaces were shown to be substantial. We are now in a position to apply this methodology to study reactivity and spectral properties of a wider range of compressed species.

2. **Transition state ensembles (TSE) for protein folding and other processes in conformationally flexible systems.** We have formulated an approach toward identification of the TSE for protein folding using MD generated volume profiles and experimental activation volumes. The concept of a volume profile, describing how the volume of a reaction system depends on its reaction coordinate, has been used for more than forty years, mostly to discuss mechanisms of inorganic reactions. The lack of a reliable method of generating accurate volume profiles severely limited mechanistic applications of this concept. Equipped with our new method for calculation of molecular volumes, we are now able to extend its applications to descriptions of considerably more complex processes, such as protein folding. MD simulations of protein folding present a formidable challenge since these conformational changes occur on a time scale much longer than what can be afforded at the current level of computational technology. Transition state (TS) theory offers a more economic description of kinetic properties of a reaction system by relating them to the properties of the TS, or for flexible systems, the TSE. Since the activation volumes for protein folding are available experimentally, they can be combined with the MD generated volume profiles to identify location of the TSE on the reaction coordinate. We applied this approach to the identification of the TSE for unfolding or a model chain system with known TSE and were able to reproduce its location along the reaction coordinate within 0.02Å. This general methodology can equally be applied to descriptions of other processes in conformationally flexible systems, such as e.g. internal rotation of benzene ring in paracyclophanes.

3. **Electron transfer in discrete solvent: an MD alternative to the continuum Marcus theory.** Rudolph Marcus's Nobel Prize winning theory of electron transfer has become the main theoretical tool for discussion of electron transfer reactions and a wider variety of chemical reactions. Marcus theory is based on a continuum description of the solvent and gives no explicit definition of the reaction coordinate at the molecular level, which presents an unsurmountable obstacle for direct reformulation of this theory in terms suitable for MD simulations. To overcome this problem, we utilize an approach, similar to the one we previously used to construct a solvent coordinate for nonequilibrium solvation of reaction systems in viscous solvents, and apply it to generate Marcus free energy diabatic terms using MD simulations with various solvent models, including SPC, flexible SPC, and polarizable SPC water. The results of MD
simulations are in excellent agreement with the predictions of Marcus theory at sufficiently large interionic distances where dielectric continuum model is expected to work.

H. Publications, Presentations, and Reports

Peer-reviewed publications (student names are in bold):


Manuscripts in preparation (student names are in bold):


Invited Talk:

7. N.Weinberg, Chemistry of compressed species: Activation volumes, volume profiles, and potential energy surfaces, Simon Fraser University, Burnaby, 2017.

Published Thesis:


Conference presentations (student names are in bold, presenters are underlined):


Research collaborations and research visits

Prof. T. Asano (Oita University, Japan)
Prof. C. Beshara (University of the Fraser Valley)
Prof. E. Plettner (Simon Fraser University, Canada)

Prof Tsutomu Asano visited UFV in June-July 2016. He participated in several round-table discussions with faculty and students. Two full-day sessions were also held that included student presentations and subsequent discussions of their results. Plans for future collaboration were outlined. Abigail Sherwood was involved in a collaborative project.

I. Plans for the coming year

We have formulated a new approach to the calculation of molecular volumes based on molecular dynamics (MD) simulations. Our recent publications clearly demonstrated the utility of this computational technique in gaining understanding and predicting of the behaviour of chemical systems under pressure. Our ability to accurately calculate molecular volumes using MD is at the heart of our methodology. Figure 1 below summarizes six of the main applications of the MD volume model to date.

![Figure 1. Various applications based on our MD volume method](image)

The next natural step is to further develop and improve our methodology in its application to various interesting types of reactions, on which pressure has a profound effect. Among those various processes, electron transfer reactions present a particular challenge since classical MD simulations are not readily suited to study these processes. However, the wealth of experimental high-pressure data available, which are currently lacking a quantitative theoretical description, makes this class of reactions a particularly attractive target.
Scholarly Sharing Initiative (SSI)  
Marcella LaFever, Communications; Dana Landry, Communications; Michelle Riedlinger, Communications; Melissa Walter, English; Alex Wetmore, English  

September 2016 – May 2017

A. Purpose

The Scholarly Sharing Initiative was developed in 2011 as an informal monthly gathering of faculty, students and interested others to share, discuss, present, and receive feedback about their scholarly work. This initiative is based in the College of Arts but all UFV members are encouraged and welcome to attend and present. The SSI is an organic environment designed to foster intellectual discussions. Refreshments are provided during the 1.5-hour sessions to encourage collegiate sharing and discussion. The SSI continued to be well received in 2016-17. We scheduled six gatherings at University House from September 2016 to March 2017. A February session was postponed until March due to inclement weather. Attendances ranged from 7 to 27 participants.

The two sessions with the highest attendance were:

22 September 2016  
Shelley Stefan, Visual Arts Department - Black’s REDress on campus and the power of art for social change  
Michelle LaFlamme, English - Murdered and Missing Aboriginal Women: (re)animating the (un)dead

18 January 2017 - Digital Humanities  
Melissa Walter and Renee Reeve (student), English - Editing Renaissance texts online as a class project  
Michelle Riedlinger, Communications - Citizen science digital mapping: The positioning of citizens and uses of evidence  
Gabriel Murray— People analytics and the ethics of Artificial Intelligence, are they connected?  
Heather McAlpine - Swimming Upstream: Launching a Digital Humanities Project on Water and Culture (and What I've Learned Along the Way)

B. Membership and Governance

Marcella LaFever (Communications), Michelle Riedlinger (Communications), Dana Landry (Communications), Melissa Walter (English), and Alex Wetmore (English) organized the SSI series for 2016-2017. The SSI is supported by the College of Arts and the UFV Research Office. Events are held at and supported by University House.

C. Partnerships

Presenters at the SSI have built various partnerships that sustain their work. For instance, the NVIT-Nuxalk Nation partnership sustains a UFV collaboration that was discussed at one event. Another example is Jelena Brcic’s work with virtual environments in space: her collaborators at UBC are Dr. Peter Suedfeld and Dr. Phyllis Johnston. Founding members of Distill Analytics (http://www.distillanalytics.ca), Dr. Lesley Duncan, Ryan Cross, and Caleb Buxton participated in her session. As a third example of the many partnerships that SSI presenters engage in, Michelle Riedlinger’s work on citizen science and communication is in collaboration with Dr. Jackie Rea at UBC.
D. Students

SSI aims to be an inter-disciplinary and welcoming place for students, fostering an intellectual research community for those working and studying in the humanities and social sciences at UFV.

1. This year, student experiences, recommendations, and a powerful student report were featured in the NVIT-Nuxalk Nation-UFV partnership presentation.
2. Renee Reeve and Ikwinder Dhahan are student research assistants on the Two Gentlemen of Verona edition (Digital Humanities panel), and Renee co-presented at the panel.

E. Activities of the Scholarly Sharing Initiative

Many speakers presented on issues of interest and concern for the Fraser Valley community. Issues addressed included:

1. representations of Indigenous peoples in art and the role of art in relation to missing and murdered Aboriginal women in Canada
2. the use of virtual environments in providing social support to astronauts, reflection on the significance of personal autonomy
3. the ethics of artificial intelligence, understanding peace studies
4. UFV’s innovative educational partnerships with Nuxalk Nation

At least two presenters spoke at each of the six gatherings in 2016-17, with some sessions including roundtables (a total of 21 speakers). The 1.5-hour time slot was used for the presenters to talk briefly about their research followed by an opportunity for everyone to discuss the presented work. Presenters were at various stages of their research—some had already published on the topic whereas others were in the initial conceptualization stage. The gatherings were on a wide range of topics—everything from the field of peace and conflict studies to autonomy and space travel. Where possible, presenters were paired according to similarities in their topics so that each gathering had a general theme or at least some common threads that ran throughout.

Several of the research projects discussed are taking place physically within the Fraser Valley, including at UFV Research Centers (UFV Agriculture Center of Excellence and the Agriburban Research Centre):

1. Lisa Powell, of the Agriburban Research Centre, presented on “Understanding agriburbia: food production and farmland preservation at the rural-urban fringe.” Using “the concept of agriburbia,” suburban landscapes in which agriculture maintains a significant presence, the presentation investigated “the relationship between peri-urban farmland preservation efforts and local food movements, “specifically addressing “dynamic relationships between rural and urban that include fruitful interactions between large-scale and commercial agriculture, small plot agriculture, and local food movements in both agriburbia and neighboring cities.”
2. Garry Fehr of the Agriculture Centre of Excellence discussed “The Importance of Seasonal Agricultural Labour in the Fraser Valley.” “The research demonstrates how agricultural workers have contributed to value added activities that have changed agricultural production in the Fraser Valley. Indirectly, it also reveals how our long term food security in the region is dependent on this supply of labour.”
F. **Funding**

The Research Office supported SSI in a number of ways in 2016-17. This included providing a $2000 budget and promoting the gatherings on the Research Office website. The SSI funds were spent on food and beverages for the gatherings. The Research Office was acknowledged in all printed materials and thanked at all SSI events.

The College of Arts supported SSI by providing web space for the SSI gatherings and assisting with communication about SSI (e.g. emails) to faculty in the College of Arts.

G. **Research** n/a

H. **Publications, Presentations, and Reports**

The work presented at the Scholarly Sharing Initiative is work in progress that eventually takes various published and presentational forms.

Presentations related to pedagogical practices included:

1. Shelley Stefan, Visual Arts Department—Black’s REDress on campus and the power of art for social change
2. Michelle LaFlamme, English—Murdered and Missing Aboriginal Women: (re)animating the (un)dead
3. Melissa Walter and Renee Reeve (student) —Editing Renaissance texts as a class project
4. Michelle Riedlinger, Communications—Citizen science digital mapping: The positioning of citizens and uses of evidence
5. Shirley Hardman, Peter Geller, Robert Harding, Marcella LaFever, Nadeane Trowse, Michelle LaFlamme, Alan Reid —Partnering for Success: UFV, NVIT and Nuxalk Nation

I. **Plans for the coming year**

One exciting idea that emerged from the SSI this year was that, following the Digital Humanities session, there is now a reading/discussion group organized around the topic of group processes in teaching and working (led through the efforts of Gabe Murray) and supported through UFV Teaching and Learning. The organizers would also like to note that we really appreciated the fact that the Research Office announced the date for Student Research Day early on because it helped us with our planning.

In conclusion, based on feedback received throughout the year, the SSI has been a positive initiative at UFV and we hope that it continues into the future. Slots for the gatherings for 2016-17 were filled easily. The organizers drew on information about scholars who had recently completed a scholarly activity or research release and by speaking with colleagues about their scholarly work. The ongoing support of the Research Office is a key aspect of maintaining these gatherings, and we thank the Research Office for the support and attendance provided in 2016-17.

~ Marcella LaFever, Communications; Dana Landry, Communications; Michelle Riedlinger, Communications; Melissa Walter, English; Alex Wetmore, English