
SENATE STANDING COMMITTEE ON RESEARCH

Regular Meeting
Tuesday, April 23, 2024
2:00 p.m. – 4:00 p.m.
MS Teams Online

AGENDA

1. Call to Order and Territorial Acknowledgement 2:00
2. Approval of Agenda
3. Approval of Minutes, February 20, 2024
4. Chair's Report Daniel Bernstein 2:05
5. Items for Discussion
 - 5.1. Research Advancement Strategy (RAS) Victor Martinez, Bernadine Sengalrayan 2:10
6. Regular Reports
 - 6.1. Associate Vice-President, Research and Innovation Deepak Gupta 2:35
7. Adjournment

SENATE STANDING COMMITTEE ON RESEARCH

Minutes of Regular Meeting

Tuesday, February 20, 2024

2:00 p.m. – 4:00 p.m.

MS Teams Online

Voting Member Quorum: 7		
Brett Favaro Daniel Bernstein, Chair Deborah Henderson Ishant Goyal June Kaminski	Shelley Boyd Sue Fairburn	<div style="background-color: #d3d3d3; padding: 2px;">Non-voting</div> Catherine Schwichtenberg Taranum Sultana
Regrets	Senate Office	Guests
Alan Davis Amit Shukla Gayle Bedard Karen Meijer-Kline Leeann Waddington Mandeep Pannu Paul Adams	Michelle Molnar Sonia Orlu (recorder)	Cathy Parlee Fabricio Telo Jackie Au Keith Leung Mariana Gatzeva Melissa Cuthill Tara Lyons

1. Call to Order and Territorial Acknowledgement

The Chair, Daniel Bernstein, called the meeting to order at 2:04 p.m.

2. Approval of Agenda

Shelley Boyd moved the agenda be confirmed as circulated.

The motion carried.

3. Approval of Minutes, January 23, 2024

Deborah Henderson moved the minutes be accepted as circulated.

The motion carried.

4. Chair's Report

The Chair, Daniel Bernstein, noted an upcoming conflict between the next month's meeting on March 19th and the research showcase hosted by the Office of Research Services. He proposed keeping the March 19th meeting brief to allow attendance at the showcase.

Bernstein highlighted the year's top priority, the Research Advancement Strategy, emphasizing its importance and development progress. He mentioned a team, including himself, Bernadine Sengalryan, and Victor Martinez, has been actively engaging with various groups to discuss and advance this strategy. The team plans to consult all faculty councils and their subcommittees on research, including a representative from the Arts Research Scholarship Committee present at the meeting.

SSCR, as stated by Bernstein, holds the responsibility for the Research Advancement Strategy, with ongoing consultations and drafting by the designated team. Additionally, the committee is tasked with addressing responses to recommendations from a former White Paper on research concerning faculty development plans. A working group is compiling these responses, with contributions expected from faculty councils, the President, the Provost, and the AVP of research.

Bernstein concluded by mentioning productive meetings with the Arts faculty research and its partners, leading to a motion to be presented later in the meeting.

A committee member inquired about the possibility of further input from the Wilson School of Design's research and design group, to which Bernstein responded affirmatively, noting scheduled meetings, including a retreat and a faculty council meeting.

5. Regular Reports

5.1. Associate Vice-President, Research and Innovation

Taranum Sultana, Research Compliance Manager at the Office of Research Services, presented a written report on behalf of Amit Shukla, the Acting Associate Vice-President for Research and Innovation.

6. New Business

6.1. Policy on Sensitive Technology Research and Affiliation of Concern (TRAC)

Taranum Sultana discussed the Policy on Sensitive Technology Research and Affiliation of Concern (STRAC), which addresses the Canadian government's recent policy on sensitive technology research areas and organizations that pose security concerns. This policy, effective from May 1st, specifically targets technologies such as biophotonics, biomanufacturing, genomic sequencing, genetic engineering, and nanomanufacturing, some of which are CPU-related. It also highlights institutions indirectly connected to military, national defense, and state security entities.

Sultana emphasized the policy's two main areas of concern: its impact on researchers collaborating on grant applications and those applying for funding through programs like the Canada Foundation for Innovation (CFI). The policy necessitates attention to joint publications and authorship with listed institutions, visiting scholars, researchers, guest speakers, and students at all levels.

To address these concerns, the Research Security Center plans to release training and guidance for the research community and administrators to ensure compliance with the policy to maintain

eligibility for federal funding. Sultana mentioned upcoming webinars and advised staying updated through announcements and emails.

The committee inquired about the importance of attending these webinars, given their scheduling. Sultana clarified that while there's no immediate direct impact, recordings of the webinars would be available, and additional guidance sessions are planned to introduce and explain the policy details further.

6.2. Arts Research Survey Report Presentation and Endorsement of a KPU-Wide Survey

Mariana Gatzeva shared findings from a survey conducted by the Arts Research Scholarship Committee, highlighting that a significant portion of respondents are interested in or are already engaged in research activities. The survey, with a response rate of about 25-30%, identified time availability as the primary challenge faced by faculty in pursuing research, alongside difficulties in finding collaborators and accessing funding. The survey aimed to inform the Arts Research Plan and has led to discussions on addressing these challenges.

Daniel Bernstein noted the importance of the survey's findings, expressing curiosity about the broader KPU community's interest in research. The discussion acknowledged potential biases in survey responses but highlighted the strong interest in research among faculty members.

Fabricio Telo outlined next steps, including a motion that SSCR endorse the idea of the Research Advancement Strategy (RAS) working group running a KPU-wide survey, in collaboration with the KFA, on faculty members' preferences for appointment streams and academic designations. However, concerns were raised about the committee's mandate and the potential for survey fatigue. Suggestions were made to simplify the motion and ensure it aligns with the committee's governance role.

After much debate and suggestions for rewording, it was clarified that the motion aimed for the non-Senate working group, the Research Advancement Strategy Working Group, to create the survey in consultation with SSCR's Research Advancement Strategy Working Group and other relevant parties, adhering to university policies on surveys. The motion was eventually endorsed, with the understanding that this endorsement facilitates the survey's creation focused on research topics across KPU, contributing to the development of a Research Advancement Strategy.

Shelley Boyd moved the Senate Standing Committee on Research endorse that the Research Advancement Strategy (RAS) Working Group create a KPU-wide survey on the topic of research in keeping with University policies and procedures related to surveys of this scope.

The motion carried.

7. Items for Discussion

None.

8. Adjournment

The meeting adjourned at 3:28 p.m.

SENATE

Agenda Number: 5.1

Meeting Date: April 23, 2024

Presenter(s): Daniel Bernstein, Bernadine Sengalrayan, Victor Martinez

AGENDA TITLE: RESEARCH ADVANCEMENT STRATEGY (RAS)

ACTION REQUESTED: Discussion

RECOMMENDED RESOLUTION

N/A

COMMITTEE REPORT

For Secretariat Use Only

Context and Background

KPU is preparing a Research Advancement Strategy (RAS) that will propel us toward new horizons. As part of this dynamic process, we are actively engaging with diverse groups across all KPU, fostering meaningful dialogues, and seeking collaborative insights. The RAS team would like to present the work done so far and the initial findings and is interested in hearing Senate Research members' feedback.

Key Messages

1. Our faculty and staff require time to engage in meaningful research, or scholarship work/reflection. Workload is creating burnout or disengagement.
2. Any sort of time release requires funding. KPU's teaching-intensive designation with the provincial government does not allow KPU to list "research" as a budget item.
3. KPU's great diversity requires a flexible model, where faculty and staff interested can opt in or out of activities integrated under the umbrella of "scholarship" with three main options (Content, Practice, Research). Funding must come from diverse sources and there is the need for an accountability system; funding and accountability will be defined in a participatory fashion at a faculty level with institutional support.

Resource Requirements

None

Implications/Risks

None

Consultations

1. RAS team has consulted with several Faculty Councils, Faculty Research Committees, Deans, KFA, Librarians, and held two hybrid townhalls at Surrey and Richmond campus.

Attachments

1. Power point presentation of two "classic" models and a draft for KPU's.
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Submitted by

Daniel Bernstein, Bernadine Sengalrayan, Victor Martinez

Date submitted

April 10, 2024

Research Advancement Strategy 2024

Team:

Daniel Bernstein daniel.bernstein@kpu.ca

Victor Martinez victor.martinez@kpu.ca

Bernadine Sengalrayan bernadine.sengalrayan@kpu.ca

Consultations

- Deans
- Faculty councils
 - Acad & Career Prep *
 - Arts
 - Melville School of Business *
 - Wilson School of Design
 - Science & Horticulture
 - Trades & Technology
- Research Sub-committees
 - Arts Research and Scholarship Committee
 - Wilson School of Design
 - Science & Horticulture
- Kwantlen Faculty Association
- KPU Librarians
- Townhalls
 - March 26th Surrey & March 28th Richmond
- Booth at KPU Research Showcase
 - March 19th
- Lori McElroy
 - AVP, Planning & Accountability
- Tracey Kinney
 - (HIST Instructor), 2027 Academic Plan
- Larissa Petrillo
 - (ANTH Instructor)
 - Lead Advisor, Work-Integrated Learning
- Leeann Waddington
 - AVP, Teaching & Learning
- Kristie Dukewich
 - (PSCY Instructor)
- Asma Sayed *
 - VP, Equity and Inclusive Communities
- Steve Lewarne *
 - KPU Foundation
- External organizations and community partners *

* Meetings planned and scheduled.

Post-Secondary Institutes models

Teaching-Focused Model

- In this model, the primary focus of the faculty is on teaching and education.
- Research activities are carried out at the discretion of individual faculty members and staff.
- Funding for research primarily comes from external sources, including provincial or federal research grants.



Research-Focused Model

- This model draws inspiration from polytechnic institutions like Toronto Metropolitan University (Ryerson Tech) and UBC Okanagan.
- It emphasizes applied research, innovation, and industry collaboration.
- There are distinct faculty tracks for teaching and research. (Optional, faculty on research track can opt in/out for 2-5 years.)

Advantages

Teaching-Focused Model

- **Student Engagement:** Faculty members spend most of their time in the classrooms engaging with students, fostering a vibrant learning environment.
- **Cost-Effective:** Less investment in research infrastructure reduces costs.

Research-Focused Model

- **Innovation Hub:** Becomes a hub for innovation and entrepreneurship. Students involved can learn from practical, industry-relevant research.
- **Faculty Retention:** Research faculty have clear career paths.
- **Professional Development:** Faculty development includes research skills and industry connections.

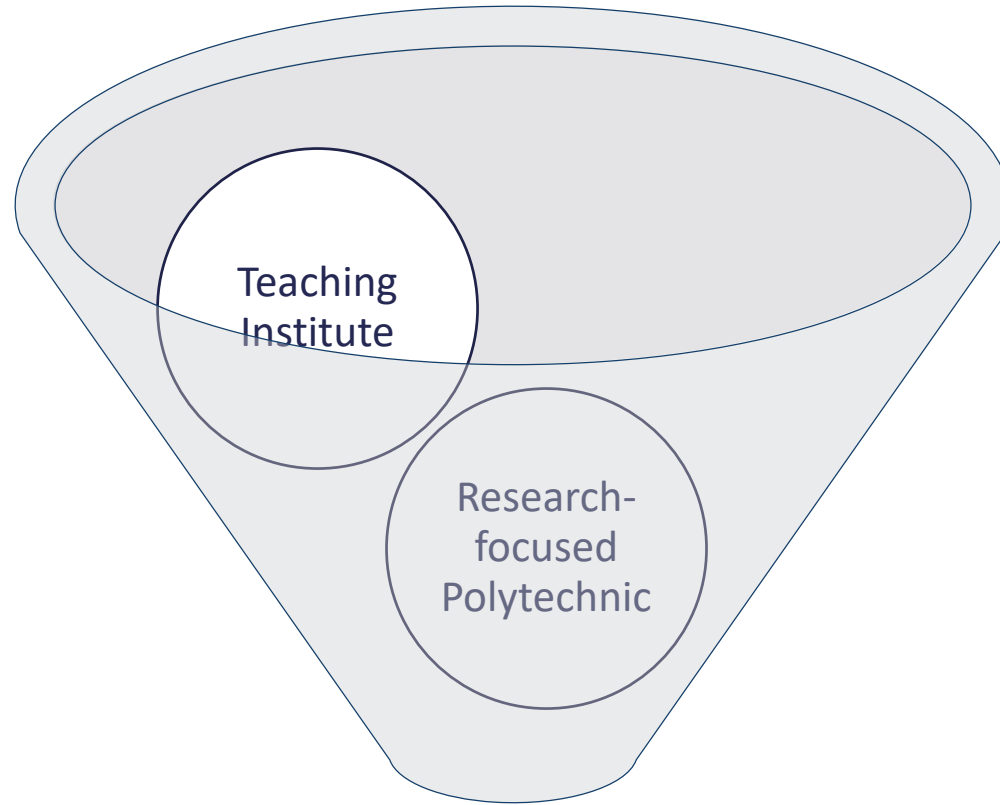
Challenges

Teaching-Focused Model

- **Limited Research Output:** Research productivity may be lower due to time constraints.
- **Dependency on External Funding:** Reliance on external grants can be unpredictable.
- **Faculty Burnout:** Heavy teaching loads may lead to burnout. Existing faculty doing research grow in frustration.

Research-Focused Model

- **Balancing Tracks:** Ensuring equitable opportunities for both teaching and research faculty.
- **Publish-or-Perish Culture:** Pressure to produce “publish or perish”, can produce low quality outcomes.
- **Funding Constraints:** Research requires substantial funding, and securing grants can be competitive.



KPU Model?

KPU Model

- The model underscores the symbiotic relationship between teaching excellence and research under the umbrella of scholarship.
- **3 "columns of scholarship": Content** (awareness of latest knowledge in one's field), **Practice** (reflection and improvement on personal teaching), and **Research** (participation in the creation of new knowledge, products, and processes). All these lead to "excellence in teaching".

Characteristics

- **Scholarship development:** Rotating a 25% course time release for interested faculty or relevant staff to choose from Content, Research, or Practice for X months, every X months. "In & Out" flexible and voluntary model.
- **Community funding:** Inviting researcher-in-residence, driven partially by community and industry connections, donations, and investments.

Characteristics

- **Institution support:** Internal funding for each pillar to come from relevant KPU offices, as well as support: Content – HR, Research – ORS, Practice – T&L. All under the umbrella of Scholarship.
- **Measurement and accountability:** Defined in agreement between participants' objectives, Faculty (Dean or F.C.) and KPU's support office (HR, ORS, T&L).
- **A fair temporary title for involved faculty:** open for suggestions.

Thank you!

Open for discussion

SENATE STANDING COMMITTEE ON RESEARCH

Agenda Item: 6.1

Meeting Date: April 23, 2024

Presenter: Deepak Gupta

Associate Vice-President, Research and Innovation Report

FROM THE OFFICE OF THE AVP, RESEARCH AND INNOVATION (AVP R&I)

RESEARCH SHOWCASE 2024

On March 19, 2024, the Office of AVP Research and Innovation (OAVP R&I) held a Research Showcase in the conference centre at KPU's Surrey campus. The event put the spotlight on the remarkable strides towards a sustainable future achieved by KPU researchers and students. The all-day event focused on sustainability themes as they relate to the United Nations Sustainable Development Goals (UNSDG).

The keynote presentation, *Becoming a 'Civic University': Place-based Approaches for Sustainable Research Development and Engagement*, was delivered by Dr. Garrett-Petts, Professor and Special Advisor on Integrated Strategic Planning at Thompson Rivers University (TRU).

The event included three 20-minute presentations, eight 7-minute lightning presentations, a one hour student research poster presentation viewing (all student research projects were supported via the Student Research Innovation Grants, SRIG, offered by the Office of AVP R&I), and concluded with an interactive booth/networking hour where representatives from various faculties were present to discuss their sustainability-related research contributions.



WESTVAC AND VPR ANNUAL CONFERENCE

Dr. Amit Shukla attended the WestVAC and VPR Annual Conference held in Victoria, BC, from March 6-8, 2024. The conference provided a stimulating platform for academic leaders to engage in meaningful discussions and strategic planning and exchange valuable insights on ways to enhance academic excellence and research innovation. This year's conference theme, "Mutualistic Symbiosis - The Art or Science? of Partnerships," was designed to explore partnerships in-depth, offering thought-provoking perspectives and opportunities for collaboration.

RESEARCH AND APPLIED DESIGN (RAD) RETREAT

Dr. Shukla and Jackie Au, the Research Administration & Services Manager, attended the Research and Applied Design (RAD) Retreat hosted by the Wilson School of Design on February 21, 2024. At the Retreat, Dr. Shukla provided an overview and updates on the scope of services offered by ORS and the support available to KPU researchers. The participants engaged in extensive discussions regarding internal and external funding opportunities, strategic development of research at KPU, and common challenges faced by KPU researchers, including hiring research staff, grant writing support, and faculty time release.

GUEST LECTURE ON INTELLECTUAL PROPERTY

On March 27, 2024, joined by Keith Leung and Jackie Au, Dr. Deepak Gupta delivered a invited guest lecture to the Product Design students in the Wilson School of Design doing their capstone projects. At this interactive session, Dr. Gupta answered questions from the students about protecting and commercializing their intellectual property.

FROM THE OFFICE OF RESEARCH SERVICES (ORS)

INDIGENOUS GATHERING

The ORS organized an Indigenous Gathering on March 18, 2024, hosted at the Katzie Nation. The gathering between Indigenous Nations and KPU marked a significant step towards collaboration and understanding. Indigenous Elders and community members shared their experiences, highlighting historical challenges in institutional research practices. Their stories revealed past research missteps and emphasized the need for KPU to conduct research with sensitivity, respect, and an understanding of Indigenous culture and values. The discussions pointed towards the importance of genuine partnerships that prioritize Indigenous perspectives and methodologies, moving away from tokenistic engagement. Advocating for the integration of Indigenous values into research, the participants believed this approach would yield more impactful and meaningful outcomes. This event was pivotal in bridging the gap between Indigenous communities and academic research, establishing a foundation for future collaborations that respect Indigenous knowledge and wisdom.

EDI IN ETHICS-FIRST LIVE WEBINAR OF ON-DEMAND EDI IN RESEARCH WEBINAR SERIES

On March 25, 2024, ORS in collaboration with Dr Asma Syed (Vice-President, Equity and Inclusive Communities) launched the "EDI in Research" webinar series, aimed at integrating Equity,

Diversity, and Inclusion (EDI) principles into research practices and work environment. The first webinar of this series “EDI in Ethics”, featured presentations by Larissa Wodtke and Dr. Tara Lyons, experts in EDI and research ethics.

Larissa, specializing in EDI in research, highlighted the importance of EDI considerations throughout a project's lifecycle. Dr. Lyons, research focuses on how societal and structural factors impact marginalized communities, underscoring the significance of EDI in ethical research practices. The webinar provided practical tools for applying EDI principles in research, emphasizing the intersection of EDI with research ethics. The session concluded with a Q&A, fostering a dialogue on enhancing research ethics through EDI. This initiative is a step towards more inclusive, equitable, and diverse research practices.

CFI-INFRASTRUCTURE OPERATING FUND (IOF)

Dr. Paul Adams and Dr. Rebecca Harbut have each been awarded \$44,000 and \$32,000, respectively, from the Institutional CFI-Infrastructure Operating Fund (IOF). This funding is earmarked for covering the operational and maintenance costs associated with their CFI-funded research infrastructure, ensuring its optimal functionality.

In accordance with CFI guidelines, the institution is responsible for allocating the IOF funding among eligible projects. The institution retains the flexibility to distribute its IOF allocation based on the actual operational and maintenance requirements of each project. Consequently, the ORS has devised a set of guiding principles along with an internal application and approval process whereby eligible Project Leaders have the opportunity to submit their IOF applications.

FROM THE ANIMAL CARE COMMITTEE

ACC PRESENTATION AT THE ACADEMIC COUNCIL MEETING

The ACC continues to work on increasing awareness of our animal care and use program through initiatives such as the presentation given by the ACC Chair, Layne Myhre, at the Academic Council meeting on March 28, 2024.

NEW ANIMAL USE PROTOCOL GUIDANCE FORM

The ACC has developed an Animal Use Protocol Guidance Form to help users determine if their work necessitates the submission of a protocol. For more information, or to access a copy of the Animal Use Guidance Form, please contact acc@kpu.ca.

APPLIED GENOMICS CENTRE

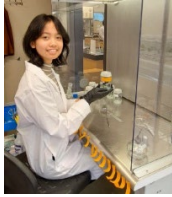
EVENTS

On February 15, 2024, employees from KPU's Applied Genomics Centre, Faculty of Science, and Future Students Office engaged with community members and prospective students by hosting the Science World Speakers Series. The event included a 45-minute presentation, interactive displays and light refreshments.

STAFFING UPDATE

- With the support of the Student Research and Innovation Grant (SRIG), Lulu Sukawati is working with the Applied Genomics Centre while studying at KPU. A 4th-year student in KPU's Bachelor of Science (Hons.) program, Lulu is investigating the growth traits and

inducing polyploidy in a flowering plant species for the ornamental plant industry. With help from her mentors, Lulu is gaining hands-on research experience, practicing laboratory techniques, and broadening her knowledge in botany and horticulture.



PRESENTATION

On February 10, 2024, Dr. Abhinaya Venkatesan (AGC Molecular Geneticist) and Taylor Chin (AGC Research Technician) participated in the Dream It Be It - Girls Conference 2024, held in the Spruce Atrium at the Surrey KPU campus, where youth aged 15 - 19 learned about the resources, educational opportunities, and volunteer experiences available to them in our communities.



NEW INSTAGRAM ACCOUNT

On January 25, 2024, the AGC launched their [Instagram](#) site, complete with a KPU-branded avatar and listing in the [KPU Social Media Directory](#).

PROJECT UPDATES

Under the NSERC Build Innovation Enhancement (IE) grant, the AGC welcomed back five returning partners for the 2024-25 project year, and eight new partners. The combined cash value for these projects totals \$538,000.

- L'Alliance Boviteq. Project title: "*Embryo Methylation Study*".
- Crescent Island Farms Ltd. Project title: "*Evaluation of Optimal Hop Harvest Window ... by Agronomics and Metabolomics*".
- Equine Register Canada Ltd. Project title: "*Developing Equine SNP Genotyping for Whole-Herd Health and Well Being*".
- Incisive Genetics Inc. Project title: "*Mutation Detection in Mammalian Cell Lines*".
- k^wik^wəł'əm First Nations. Project title: "*Monitoring fish species presence and other vertebrates using eDNA metabarcoding ...*".
- Life Cycle Botanics Ltd. Project title: "*Development of a Cannabis SSR genotyping platform*".

- Nature ReCombined Sciences Inc. Project title: “*Characterization of hop extracts for novel applications in Apiculture*”.
- Ocean Spray of Canada Ltd. Project title: “*Bio-surveillance of associated parasitoids ...*”
- Optimi Health. Project title: “*ITS-Species Sequencing and ddRAD-Sequencing for Identification of psychedelic mushrooms*”.
- Parallel 49 Brewing Company. Project title: “*Chemical characterization of malt sugars and off-flavours ...*”.
- Topp’s Hops Inc. Project title: “*Optimization of hop extract technology and comparison to commercial hop extracts*”.
- Van Belle Nursery. Project title: “*Ornamental Plant Breeding and Tissue Culture*”.
- WestGen. Project title: “*Bovine Pathogen Genomics and Vaccine Efficacy Trial Plan*”.

INSTITUTE FOR SUSTAINABLE FOOD SYSTEMS

STAFFING UPDATES

- Joe Tong was appointed as an extension assistant – field staff on April 1, 2024.
- Matthew Johnson was appointed as an extension assistant – field staff on April 18, 2024.

PRESENTATIONS AND COMMUNITY ACTIVITIES

- February 7, 2024 – Dr. Kent Mullinix served as the expert panelist in an international webinar series “The Convergent Innovation Webinar Series: Farm, Food and Diet” under the topic “Co-Creating Sustainable Cities Using Design to Facilitate Transitions.”
- February 29, 2024 – Dr. Mullinix taught 40 students from Poirier Elementary School in Sooke (grades 1-2 and 5) to plant fruit trees.
- March 20, 2024 - Dr. Kent Mullinix was invited by the Canadian Agri-food Policy Institute to deliver a presentation on “Bioregional Food System” at the ["The Missing Middle: Policy Intervention On Regional Food Systems" webinar](#). Two hundred and ten registrants from across Canada joined online.
- March 22, 2024 - Dr. Kent Mullinix was interviewed on the radio session “[Shuswap Food Conversations](#)”, at 93.7 CKVS-FM, [The voice of the Shuswap](#) program.
- April 2, 2024 - Naomi Robert was invited to do a presentation titled “[Building Capacity for Agricultural Resilience in BC](#)” for [KPU Climate + Challenge](#).

INSTITUTE FOR SUSTAINABLE HORTICULTURE

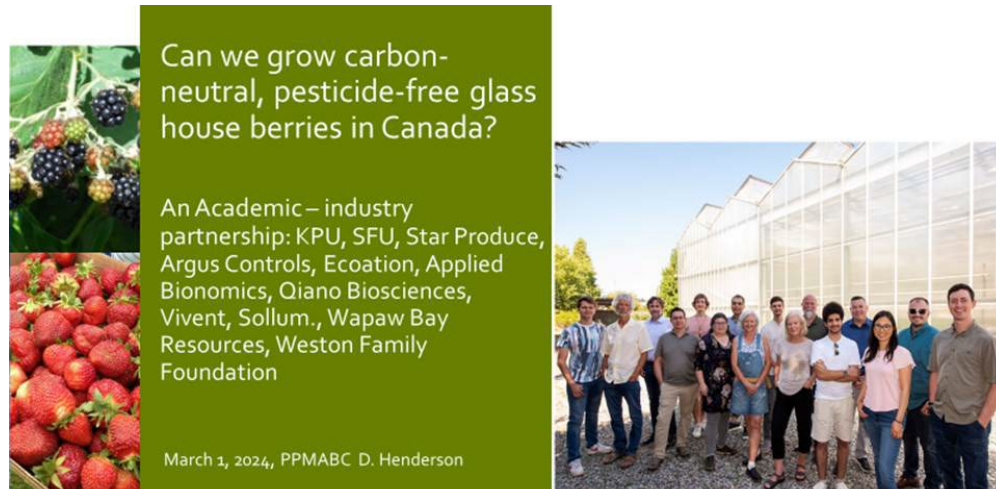
EVENTS

Kristi Tatebe hosted three Food Systems Planning Focus Groups research events in three bioregions in BC to present current research findings and discuss opportunities and barriers to action with industry professionals to advance the discipline under phase 3 of the CCSIF SSHRC-funded research project. (Vancouver Island session at Nanaimo on March 5, 2024, Southwest BC Session at KPU Richmond on March 6, 2024, Okanagan Session at Kelowna on March 12, 2024)

PRESENTATIONS

Dr. Sepideh Tahriri Adabi, as the President of the Professional Pest Management Association of British Columbia, organized and hosted the annual Professional Pest Management Symposium 2024, at the Langley campus on March 1, 2024. Dr. Deborah Henderson gave a presentation

entitled “Can we grow carbon-neutral, pesticide-free glasshouse berries in Canada?” Several members of ISH attended this event, as well as the Pacific Agriculture Show in January 2024.



PUBLICATIONS

Dr. Li Ma, and colleagues at ISH, had a manuscript published in the April 2024 edition of Plant-Environment Interactions: Ma, L., Elmhirst, J. F., Darvish, R., Wegener, L. A., & Henderson, D. (2024). Abundance and diversity of fungal endophytes isolated from monk fruit (*Siraitia grosvenorii*) grown in a Canadian research greenhouse. *Plant-Environment Interactions*, 5, e10142. <https://doi.org/10.1002/pei3.10142>

BASIL GROWING USING AEROROOT SYSTEMS FEATURED ON KPU NEWS

KPU Communications recently issued [a press release](#) regarding ISH' innovative project aimed at cultivating basil aeroponically.

NEW INTERNSHIP STUDENTS

In March 2024, ISH welcomed two graduate students from AgroSup Dijon in France, who will spend 5 months carrying out research Internships towards their MSc degrees. Candie Arribert will study physiological responses of heat stress in greenhouse strawberry and Emma Verbeke will compare the metabolites of medicinal value, in 6 species of Dendrobium orchid.

UPDATES ON WESTON HOME GROWN CHALLENGE PROJECT, CARBON-NEUTRAL, PESTICIDE-FREE GLASS HOUSE BERRY PRODUCTION FOR CANADA

Our Weston Home Grown Challenge project had an international strawberry expert from Belgium visit our team on March 8, 2024. Koen Lavrijsen (Proefcentrum Hoogstraten vzw Voort 71, 2328 Meerle, België – a berry research center) is an international consultant who travels the world advising on greenhouse strawberry production. This visit was made possible by our funders, The Weston Family Foundation. On March 25, 2024, we hosted the CSO of Vivent Technologies, our plant physiology sensor partner for the Weston project. Dr. Andrzej Kurenda spent most of the day with us, discussing the crop and the recordings, and then gave us a formal presentation about the Plant Sensor technology and where the company is going with it.

NEW PROJECT ON PLANT IMPACTS OF MARINE KELP EXTRACTS

A new project began on February 1, 2024, with Cascadia Seaweed and the SFU BC Center for Agri Innovations to explore the various plant impacts of extracts from two species of marine kelp. Cascadia is a B listed corp., which means it's a for-profit company which is certified by a non-profit third party that measures the company's social and environmental performance against impact standards. Canada has 323 certified B corps – the third highest number globally. What's the worlds most popular B Corp? Moodle. Others you may recognize: Toms (the shoe company that donates a pair of shoes for a child in need for every pair sold), Ben and Jerry's ice cream, Intrepid Travel. All have the ultimate objective of reducing the carbon economy and creating a fair and equitable society.

Acknowledgment

The Office of the AVP, Research and Innovation acknowledges funding from the federal Research Support Fund in support of its operations and services.