

HLI Quarterly Meeting Spring 2022



Land Acknowledgement

Acknowledge that **we are gathered on the traditional, ancestral and unceded territory of** the Coast Salish peoples—Sk̓wx̓wú7mesh (Squamish), Stó:lō and Səlílwətaʔ/Selilwitulh (Tseil-Waututh) and xʷməθkʷəy̓əm (Musqueam) Nations



Quarterly Meeting 9:00 – 10:00 am Zoom- Mar 7th 2022

Adoption of Minutes from March 4, 2022

Director's Update

Dr. Don Sin

Centre News

Guest Presentation

Dr. Darryl Knight

Alexandra Rivard Fradette

The New St Paul's - CSRC Update

Operational Updates

Chris Robinson

Claire Smits

Joe Comeau

Dr. Aaron Barlow

Dr. Gurpreet Singhera

Ivan Leversage

Dr. Scott Tebbutt

Katrina Besler

Naomi Potter

Dr. Vivienne Chan

Dr. Don Sin

Human Resources News

Operations

Information Technology

Cellular Imaging Core News

Cardiovascular Tissue Registry Nes

Health & Safety, Education and Events

Mentoring at HLI

HLI Trainee Association

Knowledge Translation Update

Grants and Award Successes

Team Player of the Quarter Award

Adoption of Minutes from Dec 13th 2021 Quarterly Meeting

Approved and seconded AF/BW



Director's Update

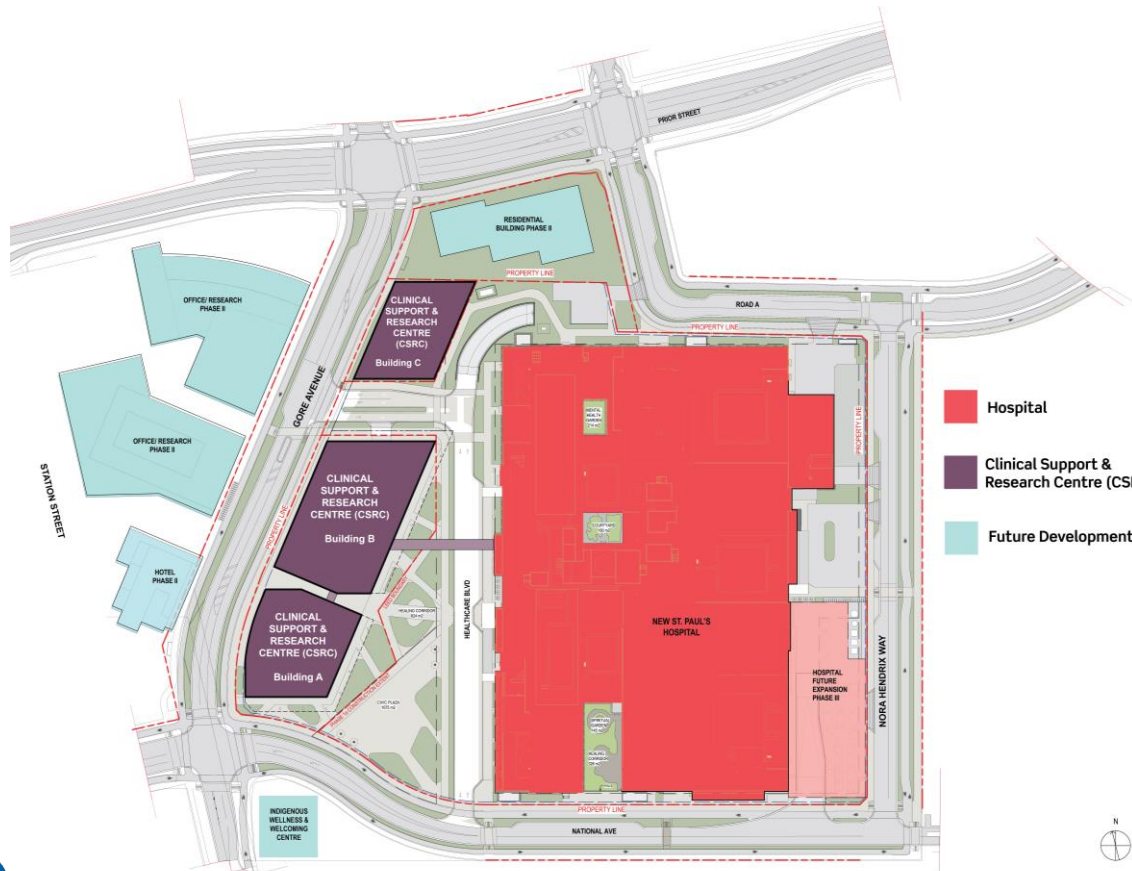




Spring 2022 Update

- *Clinical Support and Research Centre (CSRC)*

The CSRC is next to and connected to the hospital

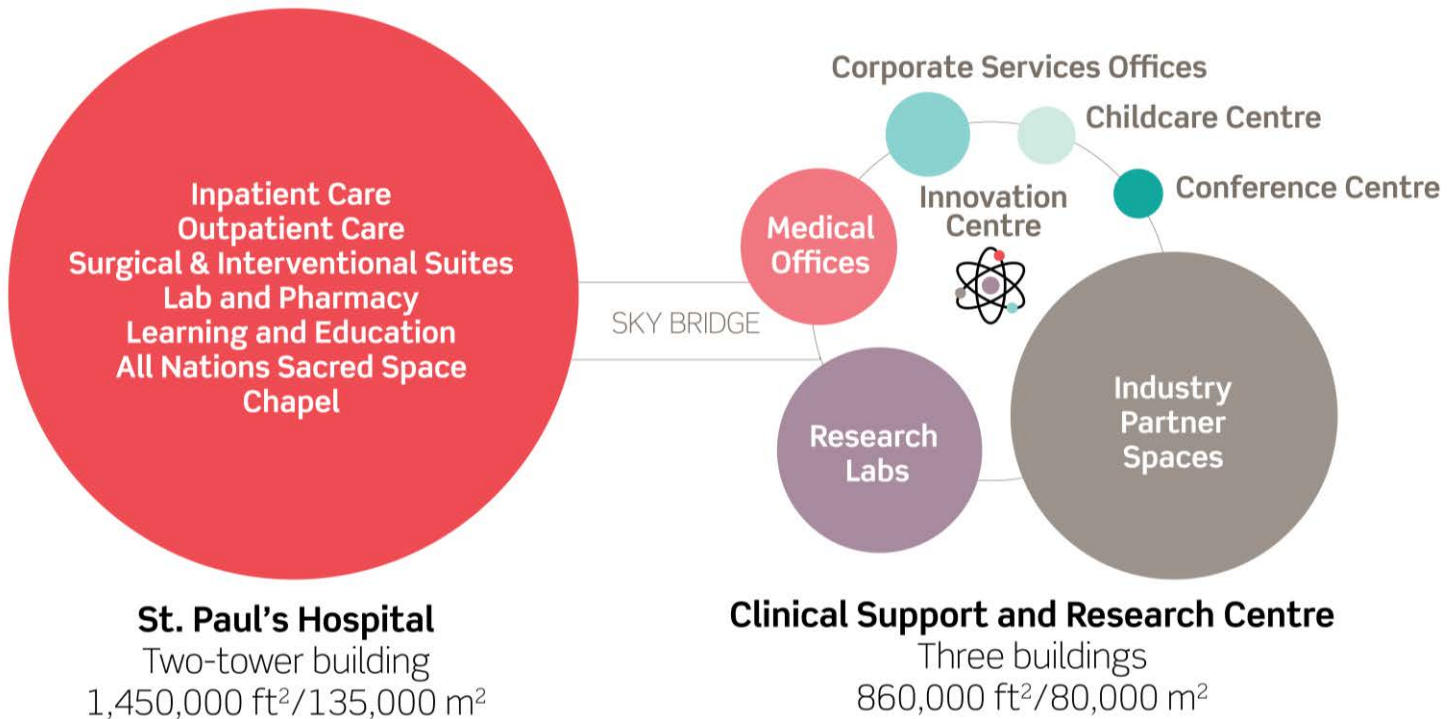


This shows a 3-building CSRC complex.

Once we hire our Development Partner we'll confirm the number of building and skybridges.

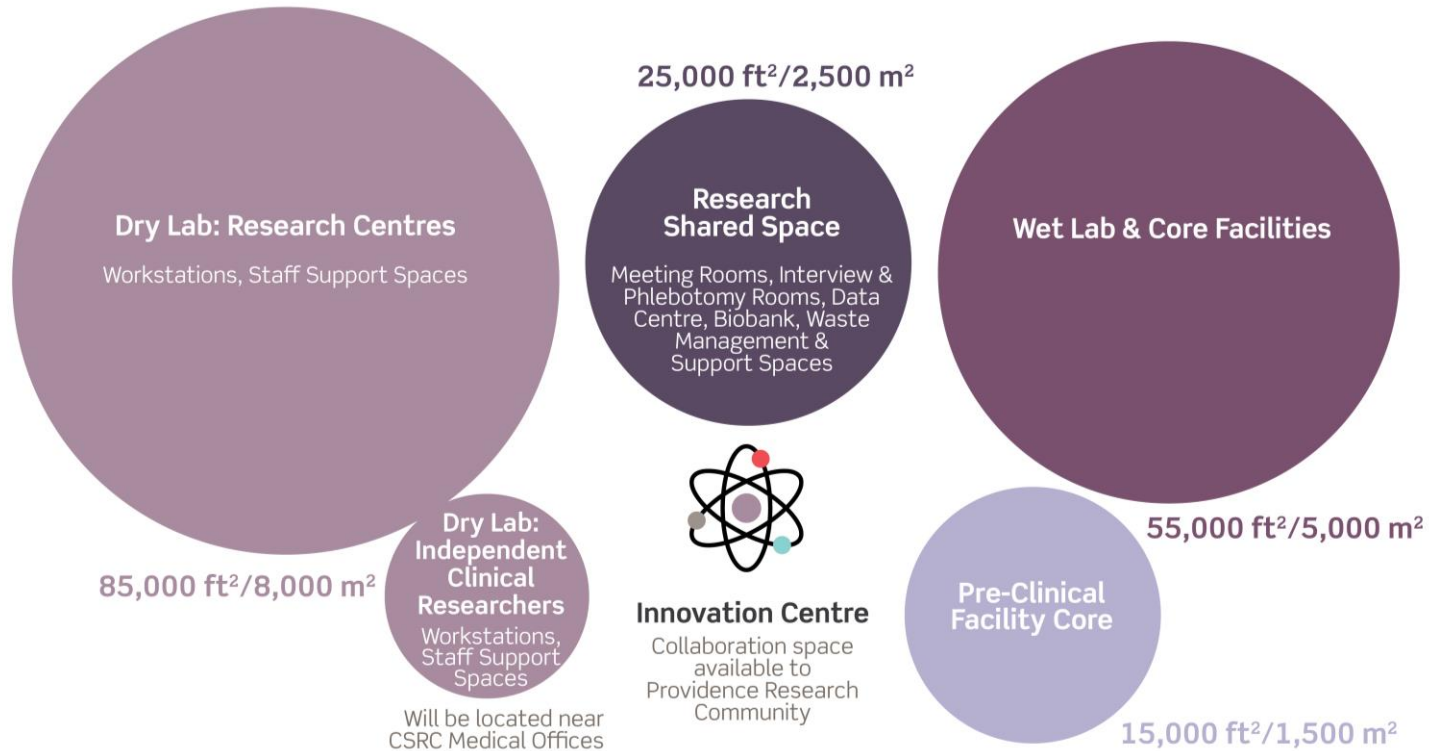


CSRC is for research, medical offices, industry partners



Preliminary. Subject to change. Approximate proportional sizes only. Updated Mar 2, 2022

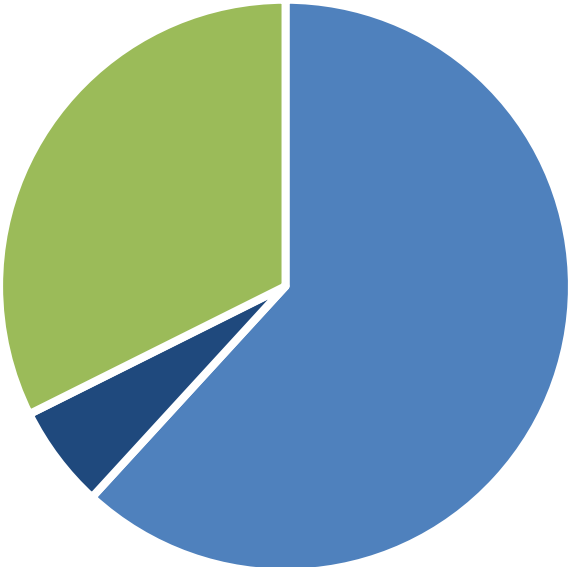
CSRC Research Space: 180,000 ft²/17,000 m²



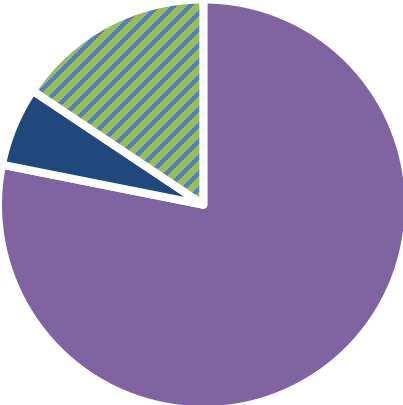
Preliminary. Subject to change. Approximate proportional sizes only

CSRC funding and budget is separate from the hospital's

Hospital: \$2.147 Billion



CSRC: \$600-\$800 Million



Government

Sale of Burrard

Foundation

Developer Land Lease
+ Investment

To maximize space vs budget, a complex model is used

Hospital (It's like owning and building our own home)



PHC owns land



PHC hires a
Designer and Builder



PCL gives PHC keys,
says goodbye



PHC owns/occupies/operates
the hospital

CSRC (We let someone build on our land, but we occupy (own+lease) about 45% of building space)



PHC owns land,
leases to Developer
for 99 years



Real Estate Developer

PHC partners with Developer,
who hires a Designer and
Builder

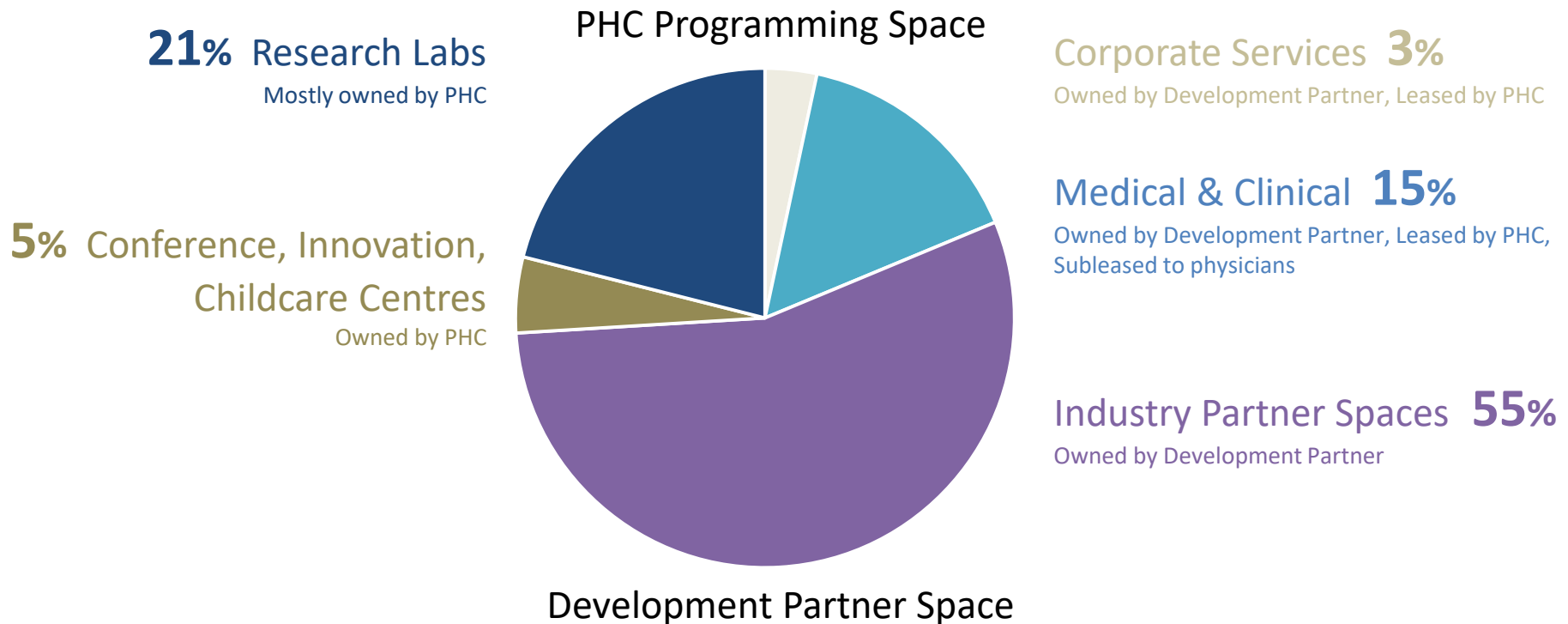


Developer, PHC
both get keys



Developer owns space, leases out.
PHC owns some space, and leases
some space from Developer.
Developer operates the CSRC

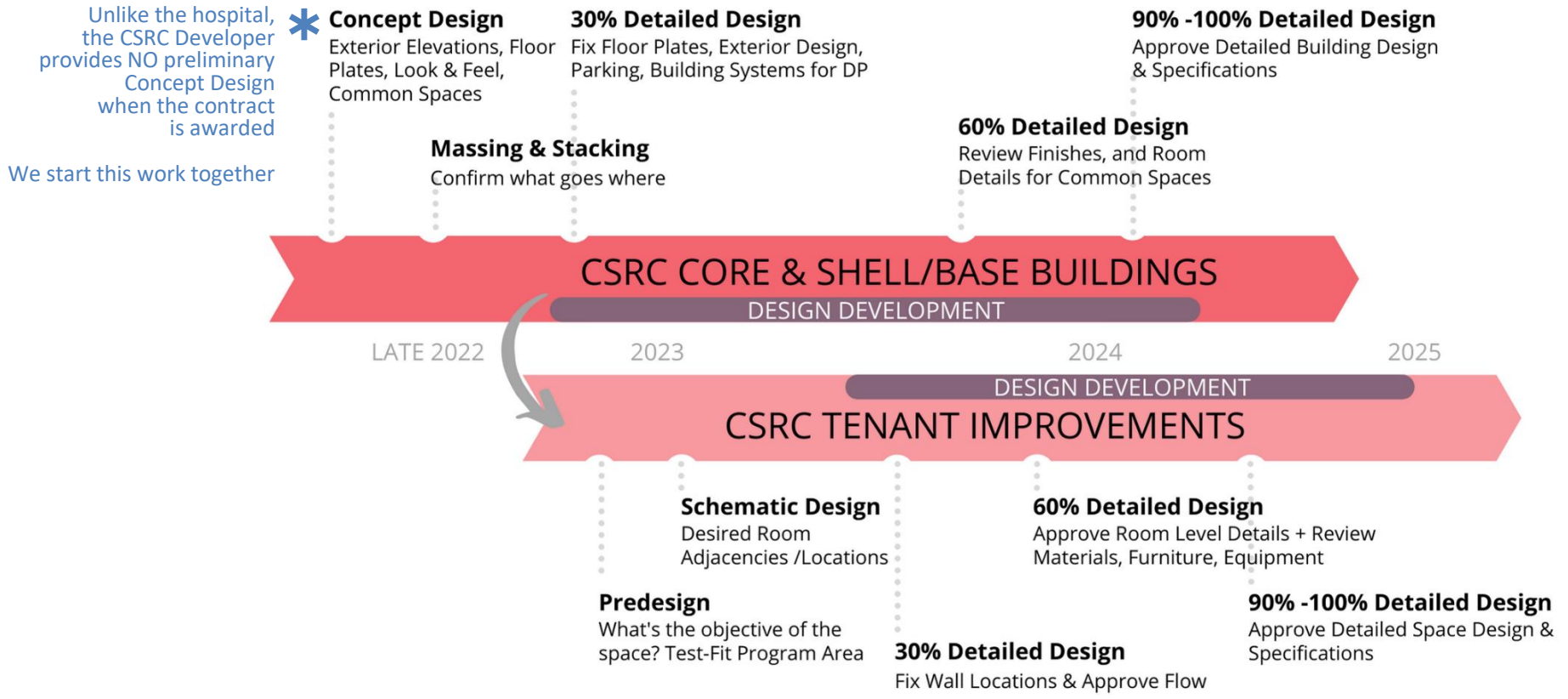
About half the building space will be occupied by PHC



We'll select our CSRC Development Partner in Fall 2022



Estimated Design Milestones (TBC by selected Development Partner)



Design Development dates are specific to the research component

The CSRC is an opportunity to rethink how we work

Answering some of these questions will help with us be ready for Design Development



People

Will there be a need to adjust roles and responsibilities or governance structure?
How are we going to inform the Research Community of anticipated changes?



Process

What are the most important people and material flows within the new Health Campus? How will research activities be supported by other services?



Practice

Are there opportunities to standardize clinical procedures or operational policies?
Will there be new research-related activities introduced?



Product

What is the procurement strategy for the CSRC? What equipment will be transferred, need to be replaced or acquired? Could the management of supplies be centralized?



Place

What policies need to be put in place to support how we will use the space? What level of access control will be needed for specific areas? How will we set up rooms?



Performance

How should performance be measured moving forward? Will there be a need to readjust operational budgets in preparation for the move to the CSRC?

Research reps will be involved throughout

- **Procurement** (now to Fall 2022)
- **Select Reps:** Give ad hoc input to questions from shortlisted Developers
- **Multiple Reps:** Are involved in Design Readiness

Core & Shell Design (start Fall 2022)

Select Reps: Give input on very specific topics with infrastructure requirements

Tenant Improvement Design (start early 2023)

Reps from each Research Centre: Take part in design User Groups to inform floor plans

Thank You

thenewstpauls.ca

Stay up to date or learn more about the CSRC

- EngageNSPH.ca/csrc (staff)
- connect.phcnet.ca (staff)
- thenewstpauls.ca/csrc
- phcmedstaff.ca

HR Update

- Welcome to all new HLI members
- This is a gentle reminder to please approve any Workday tasks in your inbox
- Please let us know about any new members joining HLI in January
- This is the last week to have ID badges printed



HLI OPERATIONS



HLI STRATEGIC PLAN 2022-2027

Acknowledgement of your time and commitment, **THANK YOU**



- **UBC Strategy and Decision Support (SDS) :**
Lesley Charter-Smith, Jennifer Barrow
- **Core team:** Vivienne Chan, Arianne Brown, Claire Smits, **Kasia Adolphs**
- **Working Group:** Jordan Guenette, Tillie Hackett, Chris Ryerson
Joe Comeau, Beth Whalen, Daniel He, Katrina Besler
- **Sponsor:** Don Sin
- **All HLI Members and external stakeholders** who participated in surveys, interviews, providing advice and feedback

BEST PRACTICES IN IMPLEMENTING THE STRATEGIC PLAN

- Shared **understanding** of the direction
- Clear actions and **accountabilities** for delivery
- Highly **visible changes** – with early wins celebrated
- Alignment **with budget** and **resource allocation**
- Honest and **balanced assessment** of how things are going (progress and outcome tracking)
- Fair distribution of action items and tasks
- Regular ongoing Centre engagement with scheduled regular **communication**
- Defined periodic review and **refinement** of the plan in response to changes both outside and within the Centre (annual refresh)



HLI 5 YEAR STRATEGIC PLAN 2022-2027

Three Core Areas



- **Research**
- **Education**
- **Knowledge Translation and Mobilization**

Action items are being identified and prioritized for each core area

STRATEGIC PLAN – CURRENTLY moving from Phase 3 to 4

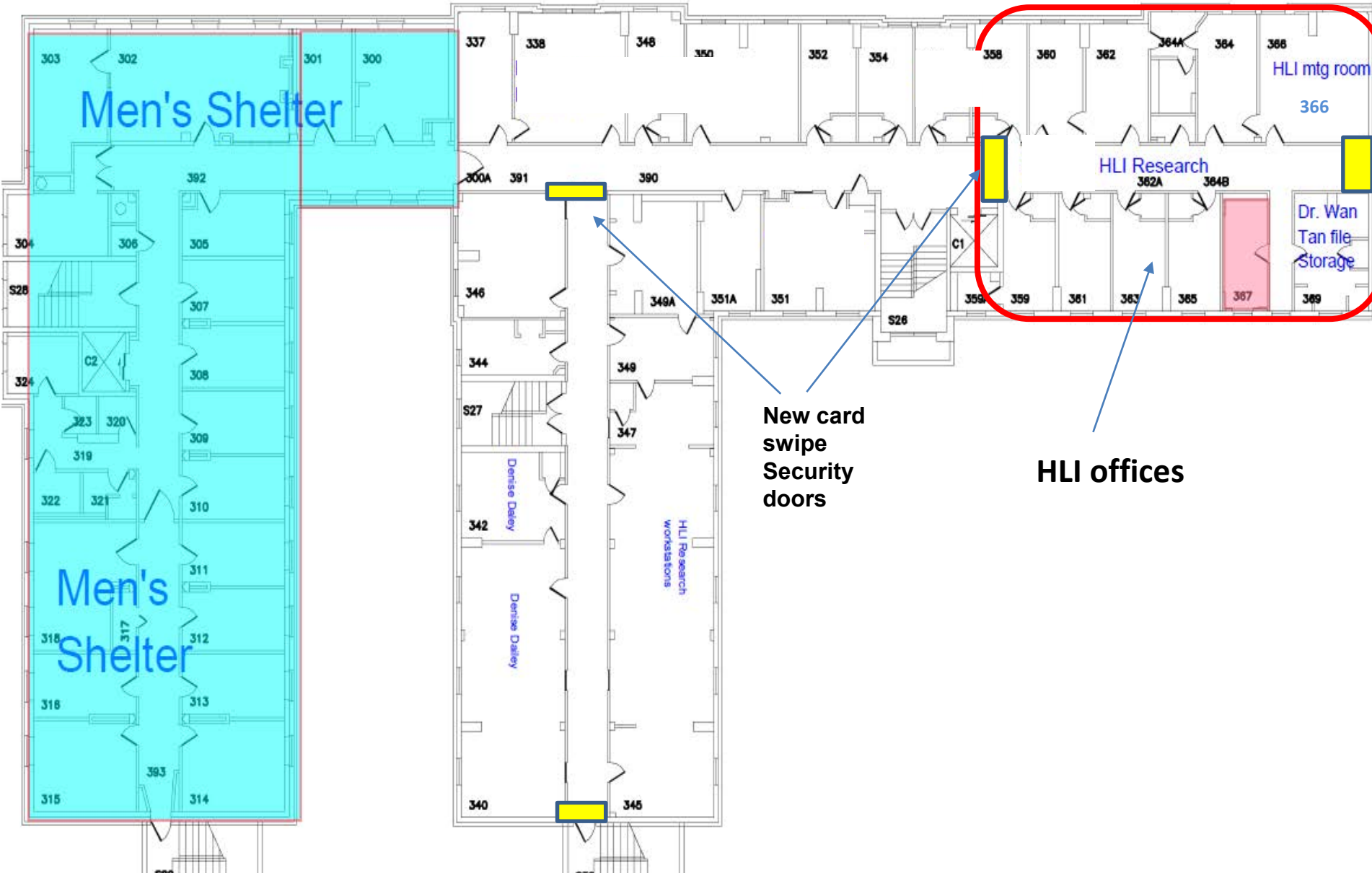
	PHASE 1 Situation Assessment	PHASE 2 Development	PHASE 3 Activation	PHASE 4 Implementation & Sustainment
Timing (Estimate)	3 -4 weeks June – July 2021	6 – 8 weeks Sep - Oct 2021	3 – 4 weeks Nov - Dec 2021	Launch Date + Spring 2022
SDS Activities	<ul style="list-style-type: none"> Review peer plans and background documentation Support development of interview questionnaire, and survey Review summary of key findings Develop SWOT & distill key themes 	<ul style="list-style-type: none"> Facilitate WG sessions and lead the refinement/development of the vision, mission, strategic themes, and core areas Provide direction for success statements, goals, actions and metrics – review and advise 	<ul style="list-style-type: none"> Provide direction for prioritization of Yr 1 goals & actions (survey if req'd) Provide direction and templates for Yr 1 action plan, metrics plan Review and advise on draft action and metrics plans 	<ul style="list-style-type: none"> Check in on launch and mobilization progress
Client Activities	<ul style="list-style-type: none"> Review findings from peer scan Develop stakeholder engagement plan Conduct interviews and / or survey & summarize key findings 	<ul style="list-style-type: none"> Co-create/refine vision, mission, values, core areas and strategic themes through WG sessions Draft success statements, goals and actions Validate framework with stakeholders 	<ul style="list-style-type: none"> Prioritize Yr 1 actions Develop Yr 1 and metrics plan Develop communication materials, 	<ul style="list-style-type: none"> Implement Yr 1 plan Monitor progress
Approach (Estimate)	<ul style="list-style-type: none"> 2 x 60 minute planning and review sessions* 1 x 60 minute kick-off meeting 	<ul style="list-style-type: none"> 4- 5 x 60 minute sessions (WG) 3 x 60 minute planning and review sessions* Review by email 		



feedback from Core team, SDS and HLI PI's addressed. Next step: Circulate updated draft strategic plan to all HLI Members for feedback

* (Strategy and Decision Support (SDS) & Project Leads

Comox 3rd floor



Comox progress

- ✓ Painting of offices 359-361,365 completed
- ✓ Washroom renovated
- ✓ Four occupants moved in with furniture, signage and keys – 4 to go.
- Waiting for PHC to update datalines & power



COVID-19

- Rapid Antigen tests -thank you to **Bruce MacKenzie** from healthsciencex.com for providing HLI & PR with free test kits - Jan 22
- As of March 1st, we have access to rapid antigen test kits from UBC so can provide a test to HLI members as needed (see Claire or Ivan)
- As per reports to Operations, HLI has had zero workplace exposures



Tours and Visitors at HLI

- Reminder that any lab tours for non-HLI members should be run by Operations first.
- This is to ensure HLI members working in the area are notified, security is adhered to and any demo stations are organized well in advance.
- Vendor shows will begin again in April with some limitations on attendance.
- Aiming to start holding some social events in April with limited attendance.



Parking at St Paul's

- Hospital Parking has been free for ~ 18 months.
- Pay parking was reinstated for all staff and visitors on Friday March 4th at 2019 rates
(5.50 daily rate for staff with **green** parking pass)
- Staff paying daily rates can park in **green spots** only, if you park in blue (visitors) you will have to pay visitors rate of 18.00 +



Lights of Hope – Gold Star !

Updated on total funds raised



Lights of Hope celebrated its 24th year and raised 3.6M to support patient, residents and frontline staff. Thanks to many generous donations from HLI members we have raised \$35,950 – earned a Gold Star and were the 2nd top fundraising team at St Paul’s Hospital.



Thanks to everyone



IT Update

Joe Comeau



Windows 11

- Has not yet had enough time to mature
- Do not Upgrade to Windows 11
- <https://home.hli.ubc.ca/2022/03/it-do-not-upgrade-to-windows-11-at-this-time-2022/>



Supply Chain Issues

- Continuing to have issues getting certain types of equipment
- RAM, solid state, processors
- All required in desktop and servers



Computer Refresh

- Continuing to replace all older windows 7
- We do some desktops in stock
- More will be arriving in the next 3 months



Phishing & Malware

- Be extra vigilant with emails
- If you don't recognize the sender or do not know what it is, do not click on the link
- Since the recent issues world issues started, attacks have more than doubled

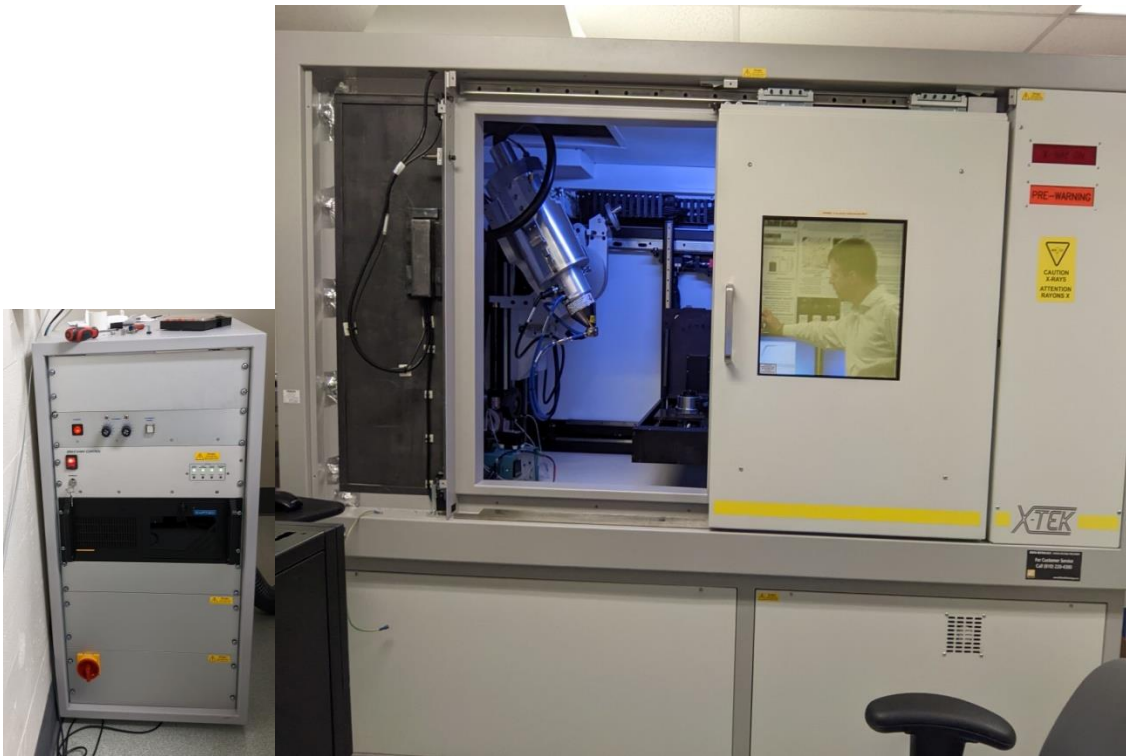


Cellular Imaging and Biophysics Update

What happened to the MicroCT

Drs Aaron Barlow and Dragos Vasilescu
QM March 2022

MicroCT Overview

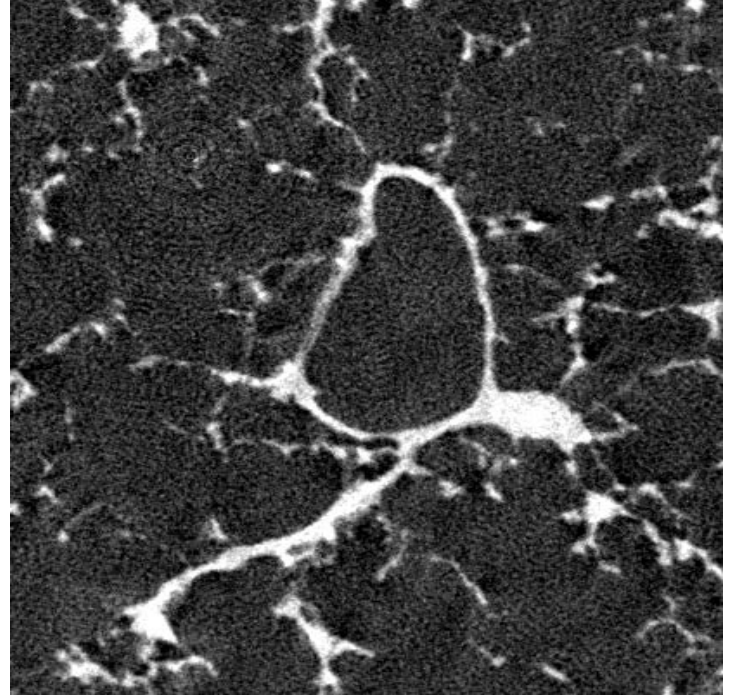


- Purchased in 2014 on CFI (~1 million) from Nikon
- Has been an important research tool for the past 7 years, resulting in many publications
- Under service contract with Nikon (\$30k/year)
- Temperamental—requires lots of upkeep and has required a lot of maintenance overall

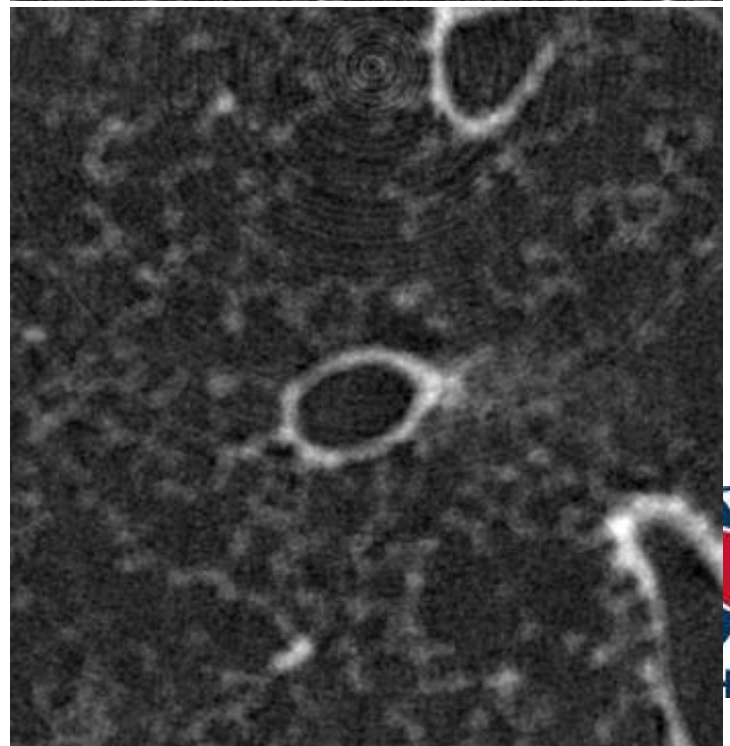


Recent Issues

- Degradation in image quality/focus



May 2021



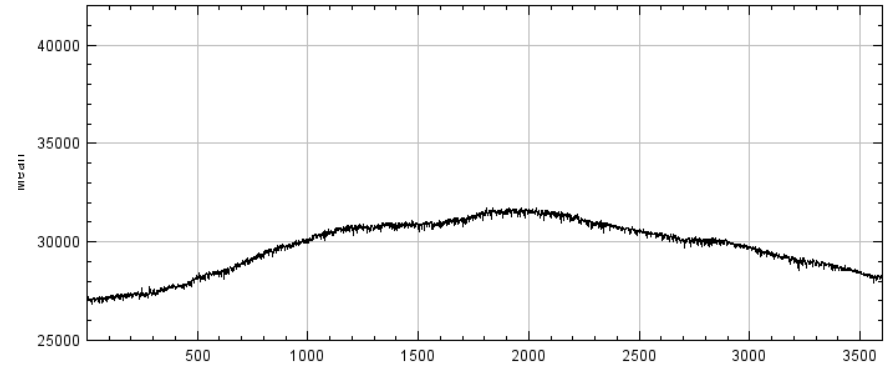
Nov 2021



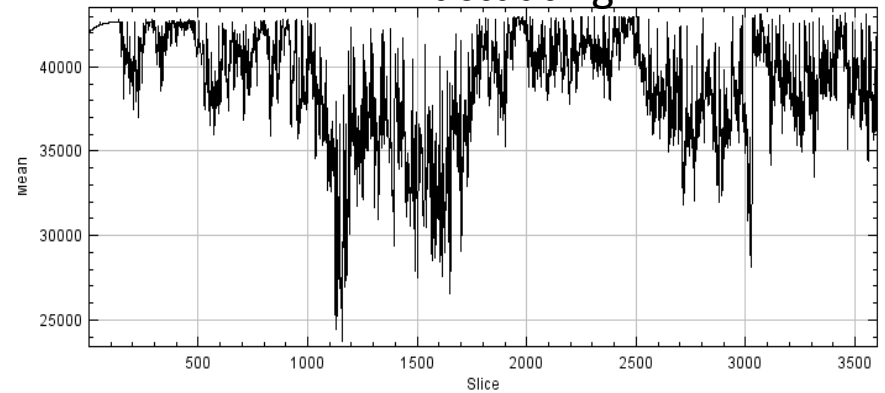
Recent Issues

- Degradation in image quality/focus
- Extreme variations in signal intensity

Normal



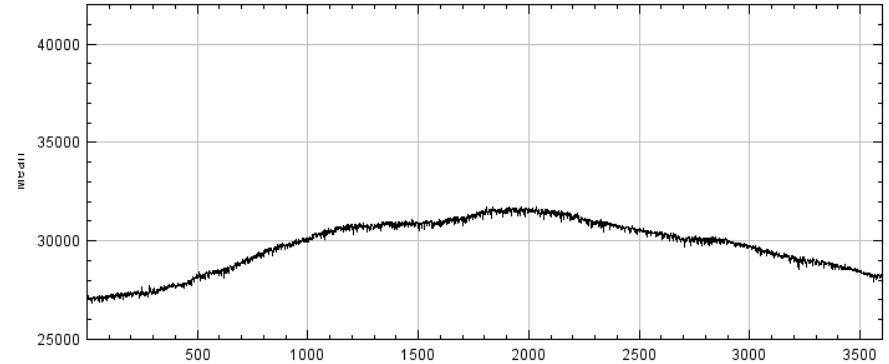
Fluctuating



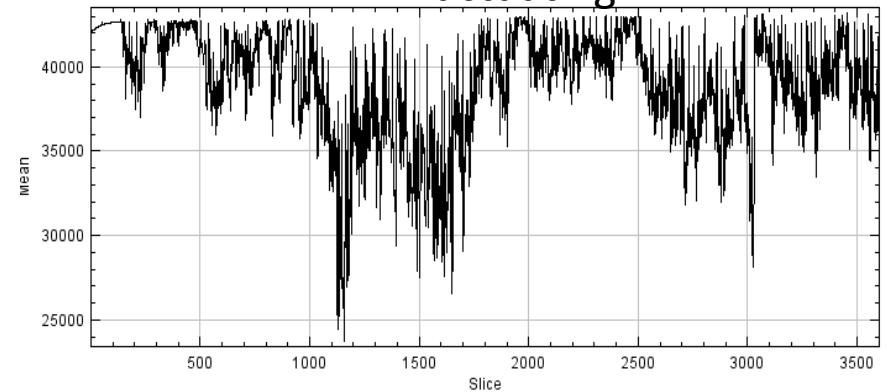
Recent Issues

- Degradation in image quality/focus
- Extreme variations in signal intensity
- Scans failing to complete

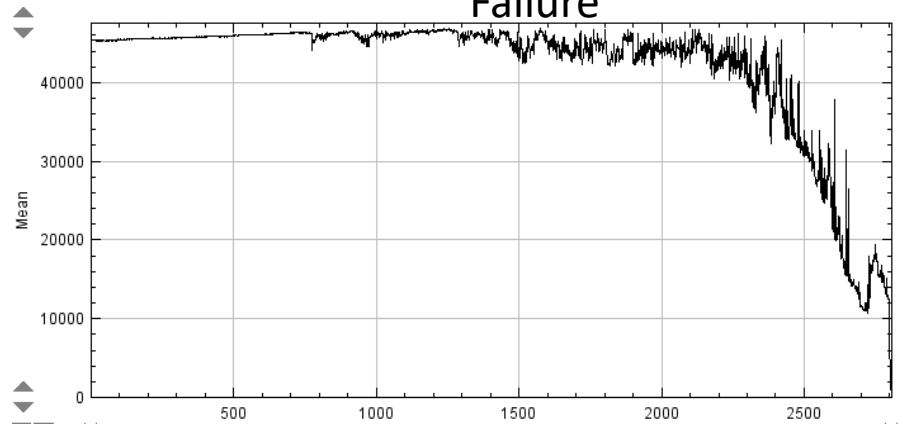
Normal



Fluctuating

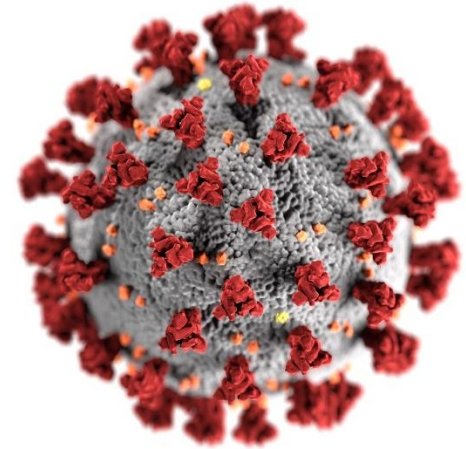


Failure



Recent Issues

- Degradation in image quality/focus
- Extreme variations in signal intensity
- Scans failing to complete
- COVID delays and labor issues at Nikon



Timeline of Events

- July 2021 - MicroCT due for routine maintenance. **Delayed, service technician # 1 retired**
- Sept 15 2021 – Begin experiencing problems with focus/stability. **No service technicians available in Canada for visit.**
- Sept 16-Nov 12 – Attempts to diagnose and resolve the problem remotely with Nikon.
- Nov 22-24th – 1st Nikon service visit (Nikon Tech # 2). **Unable to resolve issues, needed additional parts.**
- Jan 4-7th – 2nd Nikon service visit (Tech # 2). **New issue: Door interlock failure, system cannot run at all. Not resolved**



Timeline of Events

- Jan 20 – Return visit delayed due to new Tech # 2 getting Covid. Continued remote troubleshooting.
- Jan 26 – Tech # 2 unexpectedly resigns, need to find new technician. Arrange for technician to come from United States.
- Feb 7-11 – 3rd Nikon service visit (Tech # 3). **Interlock issues resolved, system can start but...**
- Feb 11-present. Some improvements in quality, still some lingering issues. Continued troubleshooting with Nikon.



Current Standing

- The microCT is working, but is still experiencing lingering issues with focus/intensity that need to be addressed, particularly for very long, high resolution scans.
- Nikon has identified that the problem is most likely a faulty HV cable and will send in a technician soon to replace it (and a few other elements if necessary).



Thoughts for the Future

- For future equipment purchases, we should keep in mind the importance of local, Canadian expertise. Many of the delays stem from Nikon having a very limited Canadian presence and therefore being unable to provide timely service.



Cardiovascular Tissue Registry (CVTR)- Accomplishments



Recent Publications

1. Advanced Detection Strategies for Cardiotropic Virus Infection in a Cohort Study of Heart Failure Patients (2021). *Laboratory Investigation*
2. COVID-19 Positivity in a Heart Transplant Recipient – Antibody-Mediated Rejection or SARS-CoV-2-Associated Cardiac Injury? (2022). *Oxford Medical Case Reports*
3. Characterization of COVID-19-Associated Cardiac Injury: Evidence for a Multifactorial Disease (2022). *Laboratory Investigation, under review*

Student Grants (2021)

1. UBC Department of Pathology and Laboratory Medicine – SSRP (\$3,200 CAD)
2. American Society for Investigative Pathology - SSRP (\$4,000 USD)



CVTR is open to new collaborations!
Please contact CVTR Manager Gurpreet.Singhera@hli.ubc.ca.

Updates

Health & Safety
Education

Ivan Leversage



Health & Safety

- Chemical Waste Disposal (Feb 18) – 541 Kg of waste chemicals disposed
- Liquid Nitrogen Training Video – completed, will be posted on Intranet once audio issues are resolved
- N95 Fit Testing – Training is completed awaiting ordered testing kit, however UBC may be limiting who can conduct testing
- Reminder to please stay vigilant in light of the recent random stranger attacks (VPD reported that the city sees an average of four random attacks a day)



Education Update

- **RIP Seminar 2022 attendance** - 315 attendees – 7 sessions (average attendance - 45)
- **Friday Seminar Series 2022 attendance** - 170 attendees – 4 sessions (average attendance - 43)
- April 8th Friday Seminar speaker : Dr Leslie Cooper In person
- **HLI Friday Seminar** – Thank you to all who have contributed
- **PATH MEDI 570** – Final exam in person April 27
- **HLI High School Student Week** – hoping for a spring session (restrictions dependent)

Events

Past

- Lunar New Year
- Candygrams – Feb 14
- Lets talk Sex and Gender – Feb 22
- Pink Shirt Day – Feb 23
- Feb 1st to March 1st – Black History Month



Upcoming

- Easter Bunny visit
- VWR Trade Show – April 12



Black History Month

Taking a Look at our Neighborhood

Masks



- It is mandatory to wear masks when onsite.
- If you are working alone in a office you can remove it.
- If you have visitors, all must wear a mask.

Non surgical face masks are available at reception, and at hospital main entrance

Meetings can go ahead with masks and physical distancing



COVID-19 Rules Reminder

- All HLI members have self reported as fully vaccinated. When on site have proof of vaccination available, if needed.
- Continue to complete your daily health check <https://bc.thrive.health>. and if you are unwell or are exhibiting symptoms - **stay home**
- **Get an optional booster shot when available**
- Practice physical distancing
- Sanitize work and common touch areas before and after use
- Wash hands frequently
- Fewer faces, smaller spaces – keep your groups small- no shared food

- If you have had contact with a COVID-19 positive person
 - get tested
 - stay home until you get your test results
 - if positive – isolate and notify

- If travelling internationally - check for the latest travel requirements for re-entry into Canada

Scott Tebbutt – Director of Education Postdoc/PI mentorship update





HLI Trainee Association

Katrina Besler





Mentorship Career Panel, Jan 25th

Zoom Meeting



Thank you Basak, Amrit, and Gurpreet, and our awesome Organizing Committee!



Snowshoeing, Feb 26th



Thanks photographer/tour guide Andrew!

Check your email for a Google sheet to connect with others who want to go again



Dates and Updates



- Trivia March 3rd
- Scholarship Committee formed
- Slack page: updates, opportunities, social channel, and more!

bit.ly/3IF3x0T



Opportunities



- Writing group
- Research Week Organizing Committee
- Biostats help group
- Trainees Only space (with coffee)
- TAHLI meeting IV

bit.ly/3IF3x0T



HLI Knowledge Translation

Naomi Potter



Knowledge Translation & Mobilization (KTM) Update

Training Sessions, Thursdays 12-1pm

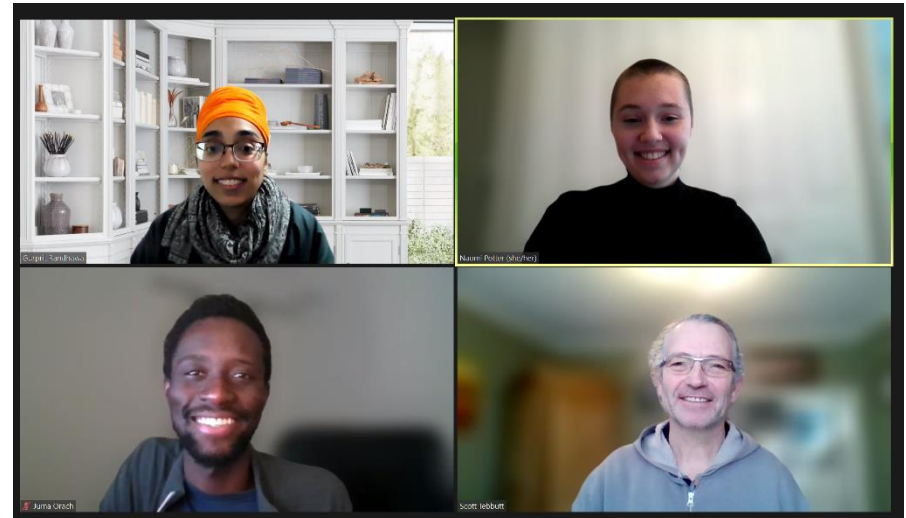
- Attendance: Total of 350 sign-ons
 - Average attendance: 39 per session

Three-Minute Thesis (3MT)

- Attendance: 61
- Thank you to our judges!
- Congratulations to our winners & good luck at semi-finals!

Upcoming

- Workshop: Building your KTM plan
- Patient & Public forums



HLI KTM Team:

Top (left to Right) Dr. Gurprit Randhawa, Naomi Potter
Bottom (left to right): Juma Orach, Dr. Scott Tebbutt

Special thanks to Ivan Leversage

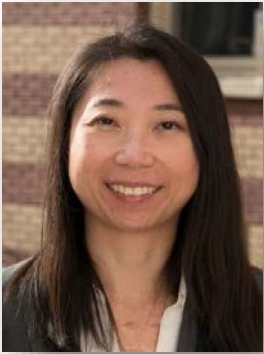


Grants and Awards

December 14, 2021 to March 7, 2022

PI Grants and Awards

CIHR Project Grant (Fall 2021)



Ying Wang

Targeting efferocytosis to reduce risk of cardiovascular events

\$818,500



Gordon Francis (Co-A: Sima Allahverdian)

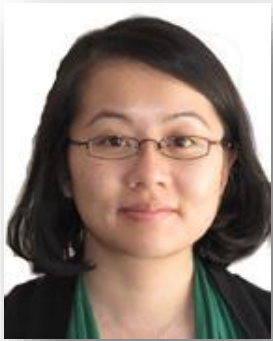
The importance of smooth muscle foam cells in atherosclerosis development and treatment

\$881,835



PI Grants and Awards

CIHR Project Grant (Fall 2021)



Janice Leung (Bridge Funding)

Imaging, Molecular, and Clinical Biomarkers of Accelerated Lung Aging in People Living with Human Immunodeficiency Virus (AGEHIV)

\$100,000



David Granville (Priority Announcement)

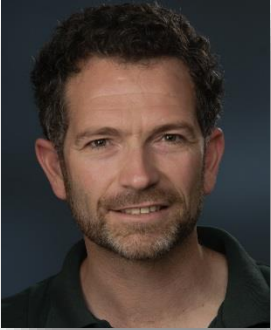
Novel mechanisms and therapeutic approach for aging-related pruritus

\$100,000



PI Grants and Awards

2021 BC Lung Grant-in-Aid



Scott Tebbutt

Understanding molecular responses of bronchial epithelium to plicatic acid exposure

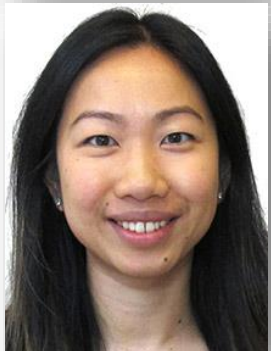
\$50,000



Chris Ryerson

Investigating differential gene expression profiles predictive of interstitial lung disease morphology, progressive phenotypes, and mortality

\$50,000



Alyson Wong (co-A: Chris Ryerson)

Connecting clinical research and economic evaluation by mapping lung function to EQ5D utility scores in patients with fibrotic interstitial lung disease

\$50,000



PI Grants and Awards



Tillie Hackett (UBC PI)

PI: John Fahy, UCSF

NIH Project Grant

Exploring the biology of persistent type 2 airway niches in asthma

\$5,000,000



Jim Russell

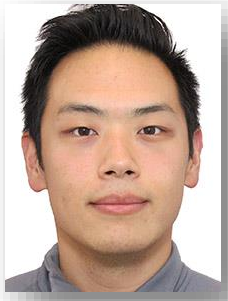
CIHR COVID Gaps and Priorities

COVID-19 And Severe Community-Acquired Pneumonia Dynamic Evaluation Study (CASCADES - ARBS CORONA III)

\$500,000



Trainee Grants and Awards



Daniel He (Tebbutt & Ryerson)

Canada Graduate Scholarships - Michael Smith Foreign Study Supplements

Unsupervised Learning Methods for Patient Stratification with Transcriptomics (\$6,000)



Trainee Grants and Awards

James Hogg Award -total \$2000

- Yun Li - DeMarco \$500
- Yinghan (Hattie) Luo - Laksman \$500
- Tony Guo - Dorscheid \$500
- Aileen Hsieh - Hackett \$500

Peter Pare Award -total \$2000

- Naomi Potter - Quon \$1000
- Abhinav Kumar Checkervarty – Tebbutt \$1000

Bruce McManus Award -total \$2100

- Yasir Mohamud - Luo \$800
- Pinhao (Eric) Xiang - Francis \$500
- Kate Huang -Brunham/Laksman \$800



Next Quarterly Meeting
Summer QM
June 20th 2022
9-10 am



Team Player of the Quarter

Every Quarter we nominate a deserving HLI member for the Team Player of the Quarter Award

The nominee can be a staff member, trainee or PI. This person did something exceptional, above and beyond and/or caring for their fellow team members and will be rewarded with a \$50 gift card (of their choice)



Here are some comments about the winner:

XXX is the go to person for all surgical and technical animal procedures in GEM. She works long hours, with multiple lab groups and across many disciplines

I believe XXX has gone above-and-beyond her responsibilities as a technician in ensuring everyone's experiments/projects are successfully completed within the expected time frame

XXX always goes the extra mile to ensure the success of each research project, practicing and honing her skills, taking the time to train students, always being available to answer questions, and never hesitating to stay longer to finish the task. And she always has chocolate to share!

XXX has been working very long hours to complete complex in vivo projects and is very supportive and caring of her coworkers, especially students she works with.



TEAM PLAYER OF THE QUARTER WINNER



Tatjana Ponomarev
GEM Technician 5

Winner will receive a \$50 gift card (of your choice)
Let Claire know what you would like.

