

***HLI Spring
Quarterly
Meeting
Mar 18th
2024
9-10:15 am***



Land Acknowledgement

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

If anyone on zoom would like to acknowledge an additional territory they are joining us from, please add it to the chat.

**Adoption of Minutes
from Dec 11th 2023
Quarterly Meeting**

Adopted by

Beth Whalen and Gurpreet Singhera





Quarterly Meeting 9:00 – 10:15 am **Hybrid – in person and zoom – March 18th 2024**

Adoption of Minutes from Dec 11th 2023

Director's Update

Dr. Don Sin

Centre News

Operational Updates

Chris Robinson

Claire Smits

Dr. Gurpreet Singhera

Ivan Leversage

Beth Whalen

Firoozeh Gerayeli

Dr. Vivienne Chan

Basak Sahin

Dr. Don Sin

Human Resources Update

Moves, Facility Repairs

BMCB Update

Health & Safety, Education Updates

Wellness Ambassador News

HLI Trainee Association

Grants and Award Successes

EDI Plans, Feedback for Event Ideas

Team Player of the Quarter

HLI Committees – Led by EDI

**Open Forum for Event Ideas –In person/Slido
feedback options**

Director's Update

Dr. Don Sin



Successful Recruitment



Dr. Yuan Yao, PhD

Assistant Prof (tenure track), Sep 1,
Department of Mechanical
Engineering/Division of Cardiology
HLI

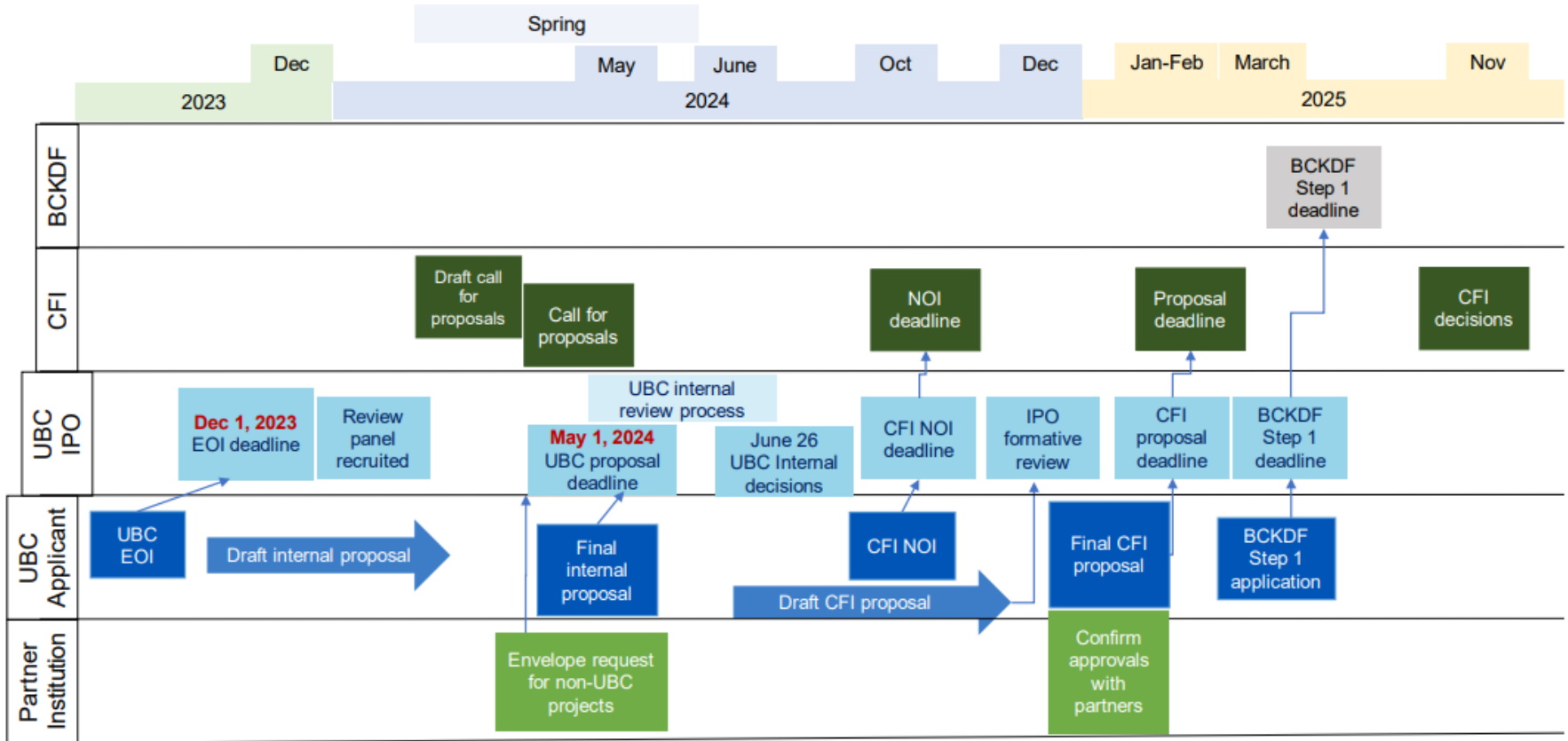


Recruitments in Process

- Functional Pulmonary MRI & Data Science (Radiology & Pediatrics)- tenure track
- CV exercise physiology and rehabilitation at HLI (Physical Therapy)- tenure track
- Tier 2 CRCs
 - Cardiology
 - Pathology and Lab Medicine



2025 CFI Innovation Fund – UBC internal timeline



40 %

CFI portion of award

40 %

BCKDF portion of award

20 %

Raised portion of award



UBC internal deadline: Full internal proposal, including budget (with RICE estimate), CVs and BCKDF Step 1; UBC CFI envelope request for non-UBC projects.

May 1, 2024

Internal review panel

June 19, 2024

UBC internal decision (IPO to assign Finance Analyst at this stage)

June 26, 2024

40 %

CFI portion of award

40 %

BCKDF portion of award

20 %

Raised portion of award



Hx of CFI @ HLI

Icapture
(imaging,
phenotyping)

\$6.5M

2000

2012
Molecules to
Human

\$2.5M



2025
UNITY



2002
GEM
\$1.8M



2017
TORCH
\$2.2M

Project Title

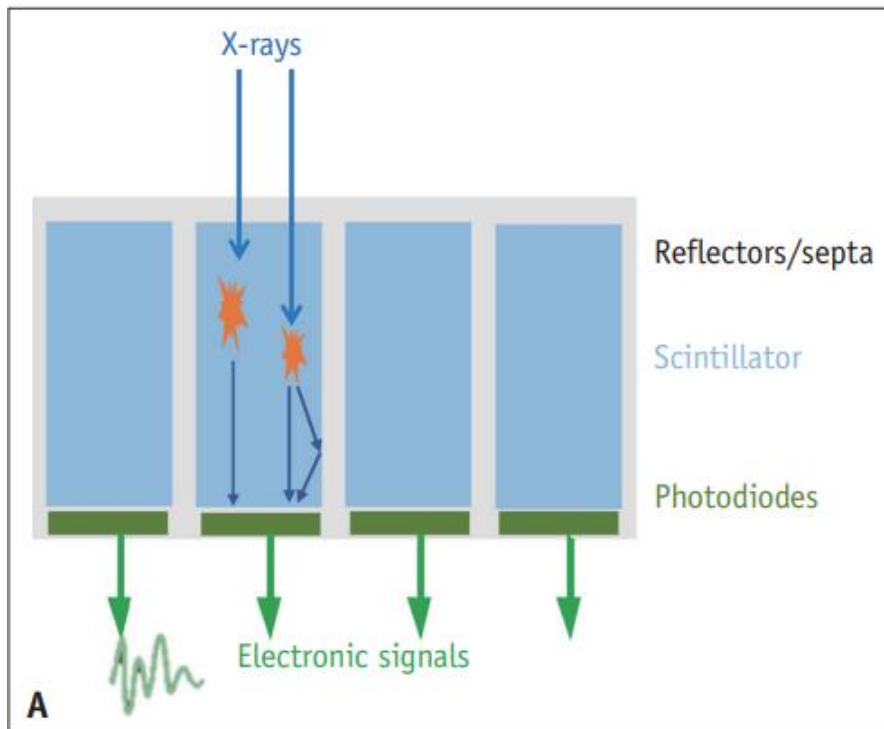
The UNITY (Ultra-low dose luNg and heart Investigative TomographY) Program

List up to 10 keywords to describe your project, including methods, instruments requested, research areas

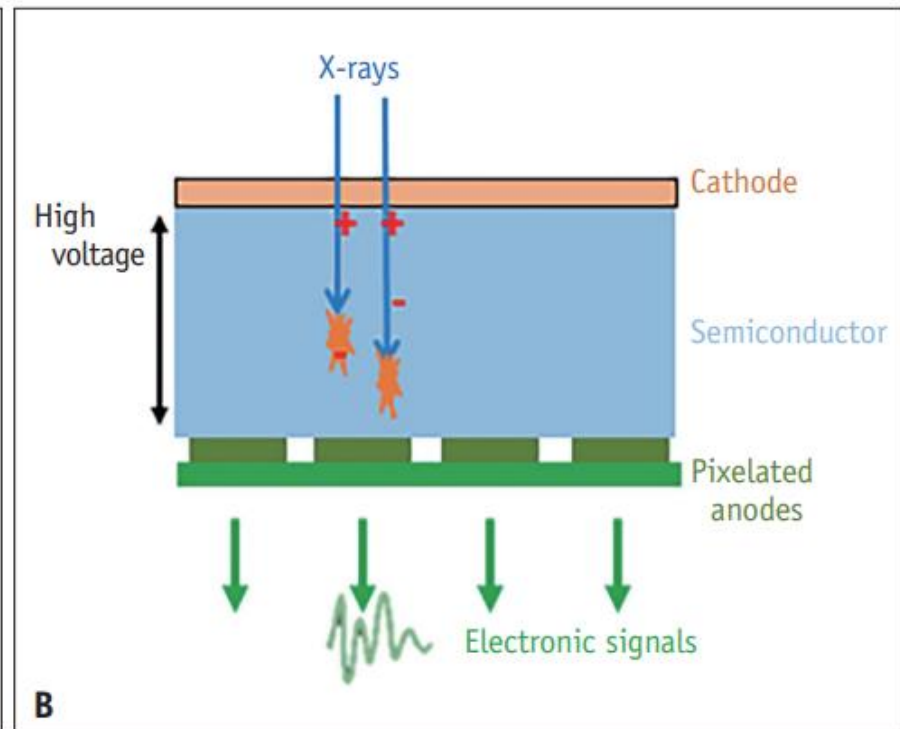
imaging, cardiovascular, pulmonary, phenotyping, genomics, photo-counting, computed tomography, micro-CT



Conventional CT



Photon Counting CT



**Photon-counting CT cuts radiation dose
by roughly 80%**

HLI Operational Updates



HR Update

Chris Robinson

- Welcome to all new members this quarter
- Please let HR know about May 2024 arrivals
- Minimum wage increase – June 1, 2024



- Please know that HLI HR is a safe place to be heard. You are encouraged and welcome to contact HLI HR if you need help or assistance with anything. This is confidential and will not be shared



Chris Robinson

HR Coordinator

Chris.Robinson@hli.ubc.ca

62859



CSRC



Moves, Repairs, Elevators

- **McDonald Building**
 - Elevator floor repair completed
 - Roof repairs close to completion
- **Comox** elevator –indefinitely delayed
- **IT Move** – IT move completed
 - New offices are out of the way- Harder to locate
 - Use HelpDesk ticket system or call 604-307-5872
- **Indigenous Wellness Reconciliation** move –to Camp lab area on Burrard 4th.
- Daley lab in Comox will be moving from 340/342 to
- 371 / 3B area
- Camp lab will be moving to Comox 340/342



More..... Repairs

- During the cold snap Jan/Feb (-15C) **Thirty two** pipes burst throughout the hospital many affecting room temps (3B and Comox)
- GEM experienced significant damage to heating and cooling units on the roof as well as pipe damage which caused a flood on a Sunday.
- Roof repairs are underway this week, flood repairs in progress.
- ** Thanks to staff doing weekend checks, no animals were harmed.



Bruce McManus Cardiovascular Biobank Updates

- Inventory - Freezer and Formalin Samples
- BMCB visits:
 - ✓ Cardiology OR team
 - ✓ three heart transplant patients



Health & Safety Education Events



Health & Safety

- Chemical Waste Disposal (Feb 22) – 960 Kg of waste chemicals disposed (2023 – 515, 2022-541kg)
- New UBC St Paul's JOHSC
- New Training videos in the works
- UBC Chemical Inventory Initiative
- HLI Orientation – Wednesday May 8th – @ 9:00am in JHCC
- Coming Soon – Tissue Culture Training – Early May
- N95 Fit Testing – Contact Ivan Leversage
ivan.leversage@hli.ubc.ca to arrange a fit test appointment



Education Update

- **RIP Seminar** – Fall session is currently under construction
- **Friday Seminar Series** – Current Spots available April 19, 26 and May 31
- **HLI Friday Seminar Funding Request** – Thank you to all who have contributed
- **PATH MEDI 570** – Final exam in person May 8
- **PATH 521** – Under construction- new lectures- starts June 4
- **HLI High School Student Week** – April 22-26

Lunar New Year Celebration Feb 7th Year of the Dragon



Thanks to all the performers,
attendees, and our host Lu
Wang



Lunar New Year Celebration Feb 7th Year of the Dragon



Come join us in celebrating the first
day of Spring – JHCC March 19th @
12:30pm



HLI Birthday Club – March 21st 2 pm



Birthday Celebrations (Jan/ Feb)



Workplace Wellbeing

UBC Wellbeing Break Pilot Program

- New initiative led by UBC Recreation
 - HLI is 1 of 3 UBC units asked to participate.
 - Pilot will run for the winter term 2024.
 - Our goal is to have two 15min breaks per month.
 - Wellbeing Break attendees can enter to win a monthly prize.



Wellbeing Breaks

Goal: Integrate brief movement throughout the workday to reduce sedentary behaviour and improve physical and mental wellbeing in the UBC community.

- A commitment to provide a wellbeing break every 60-minutes in seated meetings, workshops, or gatherings
- Breaks can be a guided movement break, mindful moment, or an opportunity for social connection

Why Should We Provide Wellbeing Breaks

- Taking brief breaks can help to reduce stress, improve mood, improve productivity, and ultimately enhance mental wellbeing
- About 47% of UBC students and 25% of UBC faculty and staff were considered to have low mental wellbeing according to a 14-item self-reported measurement tool
- Only 1 in 7 UBC students and 1 in 4 UBC faculty and staff are meeting the sedentary behaviour recommendations of the Canadian 24-Hour Movement Guidelines
- Demonstrates department's commitment to wellbeing in the workplace



"Move U Crew came to our staff meeting and ran a short but very enjoyable stretch break that helped start the meeting on a very positive note."

— UBC Staff Member



Wellbeing Breaks

- **Wellbeing Break to date**
 - Jan 30th launch – Movement Break with the Move U Crew
 - Feb 14th – Valentine’s Day Origami and chocolates
 - Feb 21st – Movement Break with Giant Connect 4 game
 - Mar 14th – Healthy snacks - Trail mix
- **Future Wellbeing Breaks**
 - Mar 27th – Easter scavenger hunt for chocolate
 - Apr – 2 more events to be organized



Thank you!

- Gaea, Ivan and Claire



TAHLI's UPDATE

Firoozeh Gerayeli
Chair

Sunaina Chopra
Administrative Chair



Scholarship & Peer Review Committee



1. **90% of the participants noted the need for scholarship application assistance**
 - Top interest in Tri-agency Award (CGSD/CGSM/Vanier)
 - Second interest in Faculty of Medicine Scholarship+ HLI Internal Award

2. **Challenges & Objectives:**
 - Enhancing Award Recognition
 - Crafting an Outstanding CV
 - Amplifying Leadership Skills



Scholarship & Peer Review Committee



Complete the survey by **March 31st** to let us know how we can serve you better!



Scholarship & Peer Review Committee



- Are you interested in assisting with the following:
 - **Note Taker:** Attend meeting and take notes
 - **Event Organizer:** Organize the workshop/peer review
 - **Communication Coordinator:** Email, coordination
 - **PIs:** With award adjudication experiences

Practice your soft skills while contributing to the internal HLI Scholarship!

Email **Razieh** at RaziehSadat.Banijamali@hli.ubc.ca



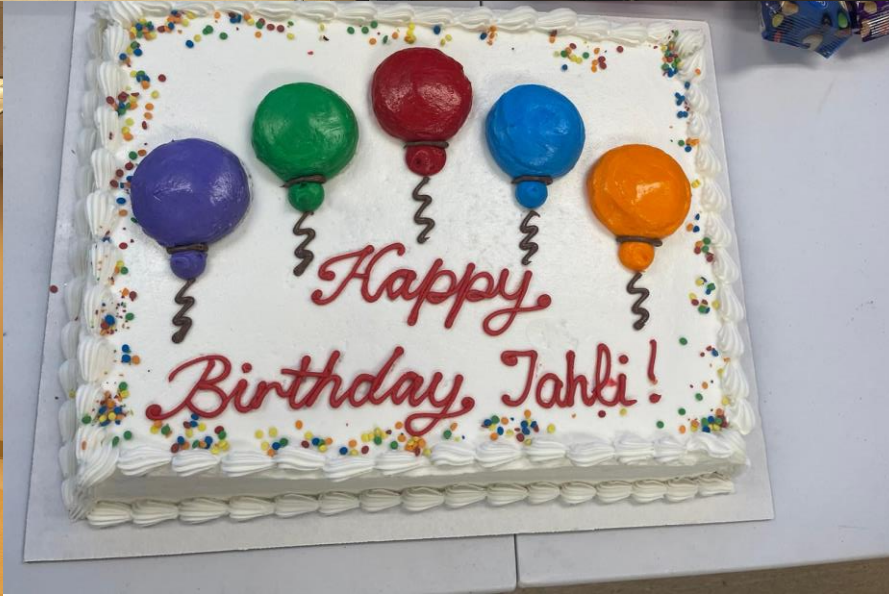
Past Events



TAHLI & Mentorship Xmas



TAHLI 5th Birthday!



Mentorship

Monthly Coffee Walk

-Feb 2nd

-11 attendees

Ice Skating at Robson

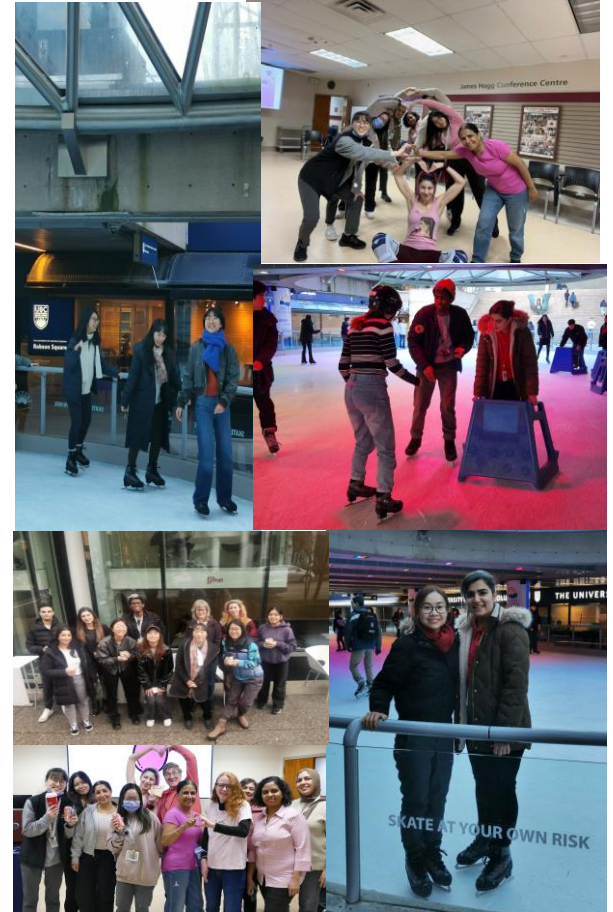
-February 15th

-15 attendees

Pink Shirt Day Stretching Class

-February 28th

-10 attendees



Upcoming Events



Mentorship

***End of Mentorship Event:
May***

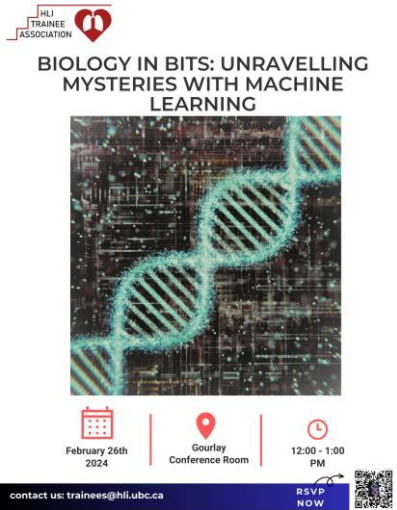


Machine Learning Workshop

3 sessions workshop lead by Dr. Saquib Sarwar
Tentative date: end of May 2024

Covered topics:

- What is machine learning, and principal of machine learning in biological research*
- Applications of Neural Networks in biomedical data analysis*
- How to implement machine learning in processing big data*



Research Day 2024

- Location: UBC Robson Square
- Date: Aug 16th 2024
- Science video competition for knowledge translation



Research Day 2024

- Potential Guest Speaker 1:
Dr. Simon Rousseau
Associate Professor, Department of Medicine, McGill University
Director, Canadian Respiratory Research Network

- Potential Guest Speaker 2:
Dr. Simon Pimstone
Clinical assistant professor, Div of General Internal Medicine
Associated member, Div, of Cardiology



Grants and Awards

December 12, 2023 to March 18, 2024

PI Grants and Awards

CIHR Project Grant – Fall 2023



Janice Leung

Accelerated Lung Aging in People Living with Human Immunodeficiency Virus

\$1,292,850



Zachary Laksman

Personalized drug safety and targeted drug therapies for individuals with truncating titin variants

\$1,124,550



PI Grants and Awards



Honglin Luo

Canada Foundation for Innovation Innovation Fund Award

Co-lead

Transformative and disruptive systems immunology

\$2,491,654

CIHR Project Grant Bridge Grant

Co-Applicant

A platform for developing mutation-resistant vaccines and antibodies for future viral variants using SARS-CoV-2 as a model

\$320,000



PI Grants and Awards



Mari DeMarco (Principal Applicant)

CCNA Phase III

Canadian Consortium on Neurodegeneration in Aging: Application for Phase III CCNA Operations Centre

\$4,111,040



PI Grants and Awards

BC Lung Foundation – Lung Health Research Grant



Bradley Quon

The real-world impact of elexacaftor/tezacaftor/ivacaftor on prescribing patterns, clinical outcomes, and health care utilization for people with cystic fibrosis living in British Columbia

\$50,000



Andrew Sandford

Identifying Functional Genetic Variants Associated with Susceptibility to COPD

\$50,000



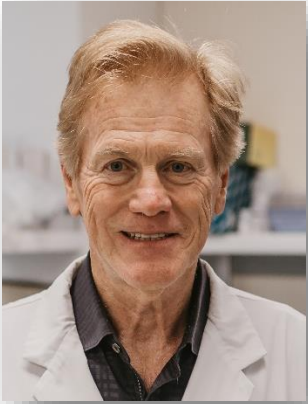
Gillian Goobie

Characterizing the role of environmentally-susceptible epigenetic targets in idiopathic pulmonary fibrosis

\$50,000



PI Grants and Awards



Jim Russell

Long COVID Web

Neuro-inflammation and corticosteroid treatment in Long COVID
\$100,000



Pascal Bernatchez

Genetic Aortic Disorders Association Canada

Targeting the beta-arrestin2 pathway to improve Marfan patient care

\$50,000



PI Grants and Awards



Pat Camp (Investigator)

NIH R01

TB PuRe: Pulmonary rehabilitation to reduce post-tuberculosis morbidity

\$3,400,000 USD

➔ Design and implementation of at-home rehabilitation programs conducted in four sites in India



Stephanie Sellers (co-Investigator)

NIH R01

Patient-specific blood cell reactivity and flow dynamic profiles in transcatheter aortic valve replacement

\$3,800,000 USD



PI Grants and Awards



Tillie Hackett

Michelle Harkness Mentorship Award (AllerGen)
Mentoring Excellence - Investigator



Trainee Grants and Awards

CIHR Research Excellence, Diversity, and Independence Early Career Transition Award (inaugural)

Ana Hernandez Cordero

*Epigenetic and molecular regulation
of aging and age-related
comorbidities*

Up to \$660,000



Yasir Mohamud

*Elucidating the intricate interplay
between mitochondria, innate
immunity, and viral pathogenesis in
heart failure*

Up to \$660,000



Trainee Grants and Awards



Jasleen Kaur

Mitacs Accelerate

Biological clustering of Pulmonary Exacerbation in Cystic Fibrosis (BioPEX-CF)

\$60,000



Fatemeh Aminazadeh

UBC Four-Year Doctoral Fellowship

The contribution of sex differences to small airways disease in Chronic Obstructive Pulmonary Disease (COPD)

\$18,200 + full tuition



Trainee Grants and Awards



Maria Elishaev

CIHR Travel Award

Using a novel multiplex imaging platform to visualize inflammation and cell death in early human atherosclerotic lesions

\$1,500



Elizabeth Guinto

2024 AAI Trainee Poster Award

Single-cell proteomic analysis of peripheral blood mononuclear cells in patients with pulmonary long COVID

\$300 USD



Trainee Grants and Awards



Ana Hernandez Cordero

CIHR Summer Program in Aging 2024

\$350



Iulia Iatan

Canadian Cardiovascular Society Trainee Research Award

Familial Hypercholesterolemia in Canada: Investigating Management Patterns and Clinical Outcomes From the FH Canada Registry

\$500



Trainee Grants and Awards



Firoozeh Gerayeli

Lung Health Foundation – Travel Award

\$1,300

Faculty of Medicine Graduate Award

\$3,000



Trainee Grants and Awards

Peter Paré Grants 2023

Aileen Hsieh
Firoozeh Gerayeli

Bruce McManus Grants 2023

Pinhao (Eric) Xiang
Maria Elishaev

James Hogg Grant 2023

Leiana Hoshyari
Wendy Hwang
Wan Yi (Wendy) Liang
Carly Lin
Xindi (Cindy) Wang



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Innovation (HLI)

X (Twitter)

@HLIStPauls

Comms Team : communications@hli.ubc.ca



EDI Committee:

Events:

- ❖ **Feb 21st: Black History Month:**

Documentary Viewing

- ❖ **Mar 8th: International Women's Day:**

Discussion group

To join or connect with the EDI committee email us at:

EDI@hli.ubc.ca

(or scan the QR code)



EDI Committee:

Initiatives:

❖ Discussion groups:

- ❖ Like a Journal/Podcast club
- ❖ Brief article/podcast/documentary circulated and discussed at session
- ❖ Theme selected based on interest

❖ Writing groups:

- ❖ Space for people to write and network
- ❖ Accountability through social support
- ❖ Semi-structured breaks



EDI@hli.ubc.ca



Open Forum: All HLI

- **What do people want to see?**

- **Events**

i.e. EDI workshops, data analysis workshops, knowledge translation, cultural potlucks, technical lunch & learns, networking, documentary screenings...

- **Initiatives**

i.e. discussion groups, writing groups, mentorship, wellness, mental health...

- **Support**

i.e. peer support, forums, comment/feedback form, new people support, safe spaces...

- **Event timings - poll**



Join at
slido.com

#1173 884

Ideas

Open till Mar 24th

Team Player of the Quarter

- Comments from nominators (from a variety of PI's, staff and students)
- Amazing job helping to create, organize and facilitate the mentorship program and events.
- This person is an important liaison among TAHLI, EDI, TEE, Science Communication Committees and has constantly provided feedback to promote collaboration among committees in a positive manner.



Winner is

- **Raveen Badyal**



You win a \$50 gift card ! Let Claire know what you prefer



Next Quarterly Meeting
Summer QM Update
June 17TH 2024
9-10:15 am

**Stick around for Open Forum for Event Ideas with
EDI starting right now**

