



**Centre for Heart Lung Innovation
Spring Quarterly Meeting
May 15 2020**



Quarterly Meeting 10:00 – 11:00 am

Zoom- May 15th 2020

AGENDA

Adoption of Minutes from Dec 9 2019

Director's Update

Dr. Don Sin

Centre News

Guest Speaker

Teija Beck

St Paul's Foundation Update

Operational Updates

Chris Robinson

Joe Comeau

Ivan Leversage

Dr. Tony Yang and C.Ortega

Dr. Kasia Adolphs

Dr. Vivienne Chan

Questions

HR News

IT Update

Health & Safety, Education and Events

Report on Faculty of Medicine Career Week

Grants Update

Update on HLI Website Renewal Project

All

**Adoption of Minutes
from Dec 9 2019
Quarterly Meeting
Approved JG, ST**



Director's Update



FACULTY RECRUITMENT

Stem Cell
Biologist
(Card,
SBE)

Filled
(Dr. Z.
Laksman)

Systems
Biologist
(Resp)

- VGH

Public
Health
Genomics

- James Hogg ...
- SFU/CRC (2)
- 2 applicants

CV
Pathology
(Path)

Final 2
candidates

AI Radiology &
Precision
Medicine
(Radiology &
Centre for Brain
Health)

22 applicants

Pharmaco
genomics
(APT)

Final 4
candidates



FACULTY RECRUITMENT

CRC (1) in

- Asthma and COPD Pathobiology and Therapeutics
- Dr. T. Hackett

CRC (2) in

Airway Translational
Biology

Dr. J. Leung



COVID-19 Initiatives

- COVID-19 initiatives across BC, Canada, etc
 - BC Strategy For COVID-19 Research – Prioritization for Clinical Operations and Translational Research
 - Drs. Dermot Kelleher and Blake Gilks as the Executive Co-Leads
 - COVID-19 Research Biobanking Node
 - COVID-19 F/U Clinic @VGH @SPH

Question regarding in person patient research- any news about PHC restarting ?

- DS: No update yet, but need to abide by WORKSAFE rules, ensure sufficient PPE, awaiting physical distancing guidelines from UBC and PHC. Once this information is shared, will be able to update further on status. At this time SPH has not been hit hard by COVID-19, we have just one patient, so we have been fortunate so far.





Teija Beck

Manager, Major Gifts

Heart and Lung

St. Paul's Foundation

COVID-19- Have been working remotely, able to pivot to raise money specifically for COVID-19, including raising money for research. 2019-2020 most successful year yet, raised 40M cash, 60M activity (pledges) have announced goal to raise 225M towards Acute care in new Core hospital- 5 year campaign ends 2022. Charity news indicates 45% of charities are at risk of closing, however the Foundation is not in that 45%, and granted we may be in leaner times but we are in good shape and will be here to support HLI. Looking at next 5 years, which includes supporting the CSRC, Dementia villages. Will be working with you on what the next 5 years of priorities will look like.



HR UPDATE



Human Resources

2020 Vacation Calendars

- Please ensure your attendance calendars are up to date as HR will be requesting them in early June for the period of January 1– June, 30th, 2020.
- This year carry over will be increased to up to 15 days, with management approval and for the year 2020 only, to provide flexibility in managing vacation.
- Please discuss any vacation plans or time away for the remainder of the year with **YOUR** PI or manager.
- The reality is your vacation will look different this year, but taking time away from work is essential to a maintain work-life balance, reduce stress and improve overall mental health.

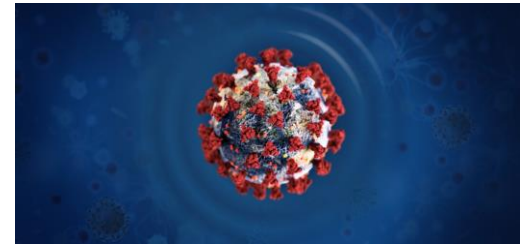


Remote Work Arrangements and research curtailment

- UBC curtailment has been extended until further notice.
- The need for physical distancing has not yet eased and is even more important now.
- UBC, WORKSAFEBC and the Provincial Health Authorities are working on guidelines and procedures to provide everyone with a safe working environment.
- ** *Free parking at St Paul's is set to end May 31st*



Post COVID - 19



What will the new normal look like?

The impact the pandemic has had on all of us including work and life in general has been unpredictable.

The next phases will be challenging while we aim to recover and return to work.

If you have any ideas or suggestions to share please send them along to the executive or HR. We want to ensure everyone feels safe and protected at work and welcome all feedback.

The new normal will include PPE, social distancing, remote work arrangements so we can ensure maximum safety for those working on site



IT Update



Privileged Remote Access (PRA)

- Allows users to securely remote in
- They could be accessing workstations or VMs in order to perform their tasks.
- This is a modern secure connection that is secured and does not permit data to be removed
- The service is audited
- Very similar to physician access to patient records with Citrix



Systems Certificates Updated

- All Web and system services had their certificates updated during April
- We are upgrading most / all services
 - Filr,
 - Password Service
 - Directory
 - Database servers
 - Registries
 - Email
 - Accounting software



Storage System Software Upgrade

- The storage system nodes were upgraded
 - Data is evacuated from node (2-3 days)
 - Node is upgraded (2-3 hours)
 - Data is put back on each node (2-3 days)
- New features and security
- Ability to add more nodes will be easier

This upgrade took about 5-6 weeks while users were still active. Have seen a 20% performance increase with this upgrade and additional nodes can be added very easily.



New Intranet Website

- New looking intranet website
- Will host more information for the centre and services
- Will be the portal hub for many applications and registries
- Can be securely reached from home

Can now have access to this from anywhere in the world



New Intranet Website



https://www.hli.ubc.ca



Centre for
Heart Lung Innovation
UBC and St. Paul's Hospital

Navigation menu: ABOUT ▾ HEART LUNG HEALTH ▾ RESEARCH ▾ TRAINING ▾ SERVICES ▾ PARTNERS

Services dropdown menu:

- CELLULAR IMAGING AND BIOPHYSICS CORE
- PRE-CLINICAL SERVICES
- HISTOLOGY CORE
- MOLECULAR PHENOTYPING
- DIGITAL SLIDE SCANNING
- CARDIOVASCULAR TISSUE REGISTRY
- LUNG TISSUE REGISTRY
- GRAPHICS & IMAGING SERVICES
- SECURE WEB PORTAL
- INFORMATION TECHNOLOGY
- MEMBER LOGIN**

Information from old internet will be available on new, go to Go to Services and member login to have access from home



Security Software

- Provided by UBC for home use computers
- Downloads available on intranet
 - Cisco Amp
 - Cisco Umbrella

UBC's contracts have ended with one vendor (Sophos) and are now going with Cisco Amp so there is the ability for you to get the product and install it. It is available on our home page so you can install it on your home machine. Please take the time to update patches and updates. If you have any problems installing, call the help desk, its easy to get it installed and working for you, even remotely



Security Software

- The IT team is upgrading most desktops at work, where possible to the new anti-virus package during COVID downtime
- If you are worried about either your work or your home machine, the Help Desk can easily remote and review your configuration – just ask for assistance

Have been upgrading security software on all machines, one area at a time, while you are working from home. If you are concerned about your machine from home, call help desk.



Email address check

- Check to see if any internet accounts you have created with an email address have been compromised
- Look on the intranet for instructions and some tools to help you protect your online accounts

JC: This is important. Quite often when you register for a 3rd party account on an internet site and you use your email address as an account, sometimes these systems become compromised. Go to our intranet site, we have a page there, that you can check to see if your account has been compromised. Always use a different password. Go to our intranet, there are examples of password keys to use (last pass, one pass) you can get no charge versions, that allows you to store all your accounts independently and securely uses encryption. This can be stored locally and transferred to phone and home computer. Contact help desk if you have any questions.

DS: Thank you to Joe and team, they have been very busy supporting not only HLI but other groups such as BCCSU.



Updates

Health & Safety
Education
Events



Health & Safety

- Research Safety and Risk Services –SRS (formerly RMS UBC) was on site April 23rd to discuss Health & Safety concerns for those currently approved to work under exempted research protocols
- As Safety Officer, I am conducting lab safety walkthroughs every 2 weeks
- The Safety Committee initiated installation of many NEW wall hand sanitization stations throughout HLI
- Sanitization station (spray bottle & wipes) on 2nd floor MacDonald and there are Lysol wipes in meeting rooms and other key areas
- Reminder: with reduced staff and students on site, it is important to follow all safety procedures and centre policies.



Health & Safety

- If you are working alone, please follow HLI's Working Alone Policy (on intranet)
- Broken and malfunctioning equipment can cause safety issues
 - Report immediately, by calling the ERT phone **604 813 0476** and leave a message.
- Wear appropriate PPE as your safety protocols require.
- Wipe down frequently touched areas with disinfectant spray or wipes in your area
- Operations and the Safety Committee are ensuring everyone on site has an exemption in place, you can still submit for an exemption if your research is at a critical stage or involves
- COVID-19 research



Health & Safety

- Maintain physical distance of 2 meters, if task does not allow this, wear PPE
- Wash your hands frequently
- If you are conducting clinical research and are working with human patients or human samples, check that your SOP's are up to date for PPE procedures and that you have supplies in place
- Please ensure you, stay home if you have any signs of illness

Stay Safe



Education

- Virtual RIP Seminar Series started May 11th
- Virtual HLI Friday Seminar Series – kicking off May 22nd
- PATH 521 : Introduction to the Pathogenesis of Human Disease– Starting June 9
- Wanted: RIP & Friday Seminar Speakers
- Summer Student/Trainee Research Day – August 21st in planning stage



Recent Events Jan-March 2020

- **Jan 21** – **How to fill out ethics applications**
Gen Rocheleau- HLI Clinical Research Core
- **Jan 22** – **STEMCELL Seminar**
- **Jan 23** – **Breaking Patterns of Procrastination**
Workshop



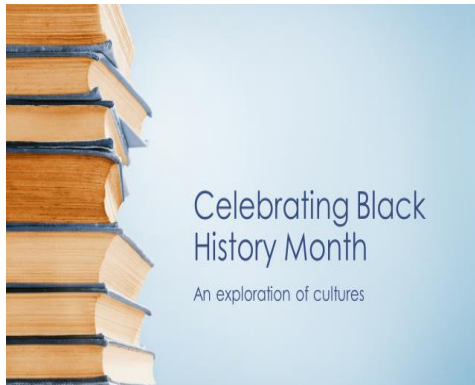
Lunar New Year Celebration Jan 30th



Year of the Rat



Celebrating Black History Month Feb 13th



Our inaugural event



Pink Shirt Day Feb 26

Thanks to UBC presenters and HLI organizers (Kelly)



Newest HLI Member

Matt Zeglinski from the Granville lab
welcomed son **Henry** (7 lb 3 oz) on Dec 27th 2019



Dr. Tony Yang and Carleena Ortega

**Report on UBC Faculty of Medicine's
Virtual Career Week**

hosted by HLI



UBC Faculty of Medicine Virtual Career Week 2020

*Kick-start your career
in the age of COVID-19!*

Schedule

Monday May 4 (2:00 – 3:30 PM)
Industry R&D Careers
Panel

Tuesday May 5 (2:00 – 3:00 PM)
“Building a Network and a LinkedIn Profile”
Workshop

Wednesday May 6 (2:00 – 3:30 PM)
Academic Research and Teaching Careers
Panel

Thursday May 7 (2:00 – 3:00 PM)
“#SciComm: More Than Just a Hashtag”
Workshop

Friday May 8 (2:00 – 3:30 PM)
Non-Traditional Careers
Panel

For more information, please visit:
<https://grad-postdoc.med.ubc.ca/postdocs/career-day/>

The Virtual Career Week 2020 was supported by the **UBC Faculty of Medicine (FoM) Strategic Investment Fund (SIF)**, secured by HLI in collaboration with SBME and Exp Med. The event program was organized by **UBC FoM Postdoctoral Professional Development Team (PPDT)** – FoM Graduate and Postdoctoral Education, HLI Trainee Association, PHCRI, BCCHRI, CBR, VCHRI, and BC Cancer GrasPods.



THE UNIVERSITY OF BRITISH COLUMBIA

Faculty of Medicine



Centre for
Heart Lung Innovation
UBC and St. Paul's Hospital



PROVIDENCE HEALTH CARE
Research Institute



CBR
THE CENTRE FOR BLOOD RESEARCH

Vancouver
Coastal Health
Research Institute



Faculty of Medicine
Experimental Medicine

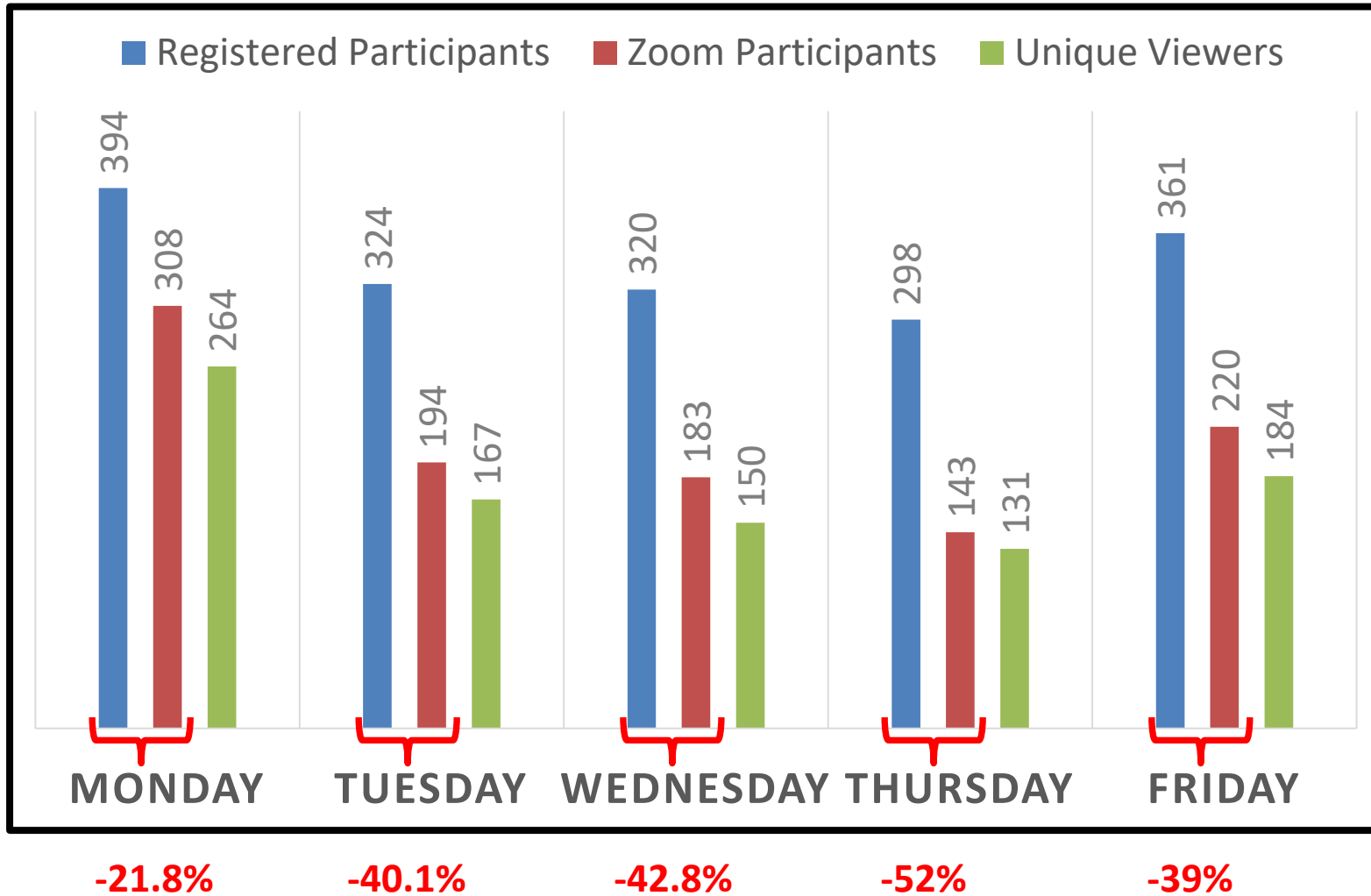


THE UNIVERSITY OF BRITISH COLUMBIA

School of Biomedical Engineering
Faculty of Applied Science | Faculty of Medicine

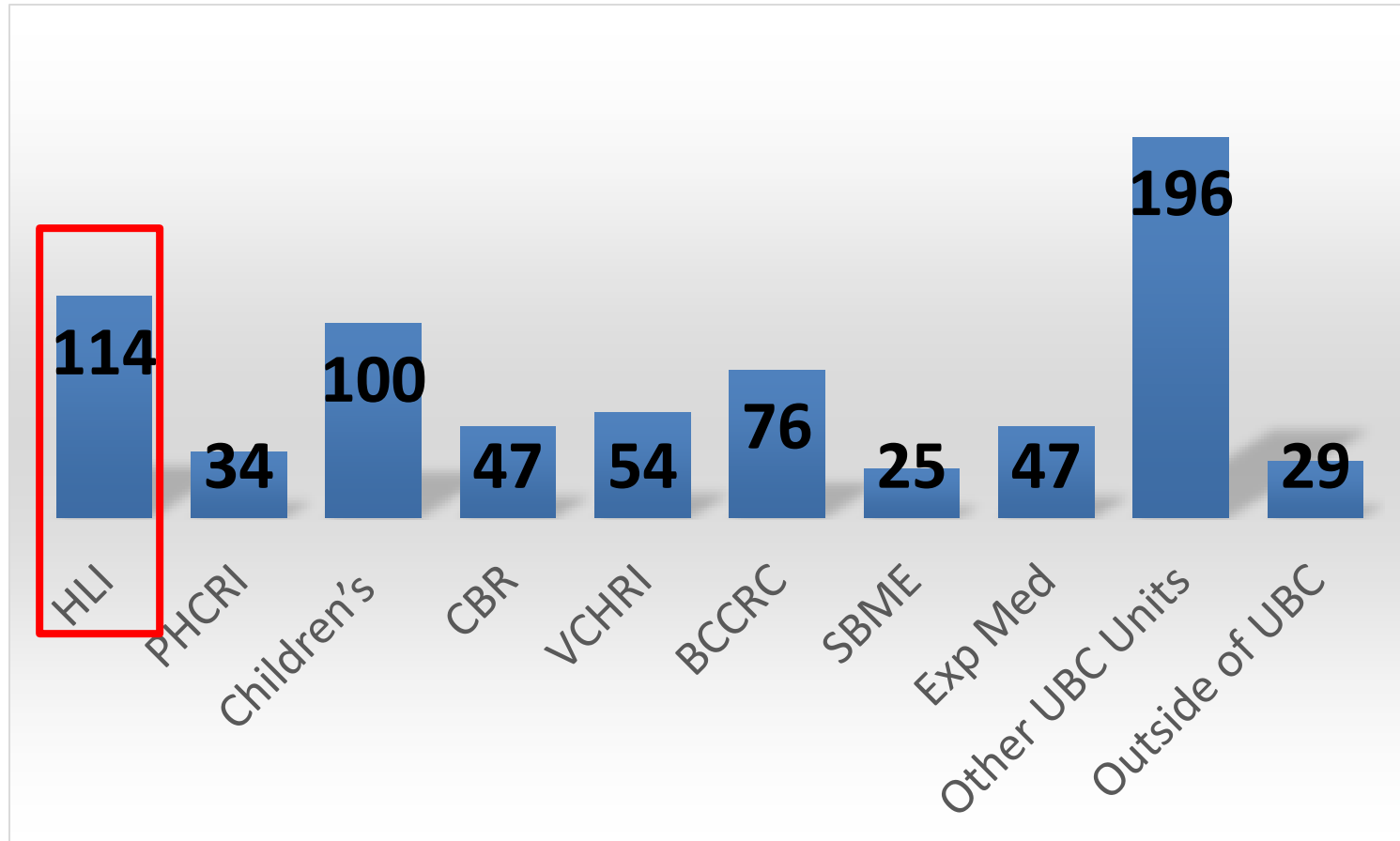
Webinar Statistics

- **422 Registered Participants** (using Eventbrite as of May 3, 2020)
- **1,048 Total Participants** (not unique) joined the Zoom Webinars over the entire week
- (Last year, **119** registered and **54** attended the *in-person Career Day 2019*, **-54.6% no show**)

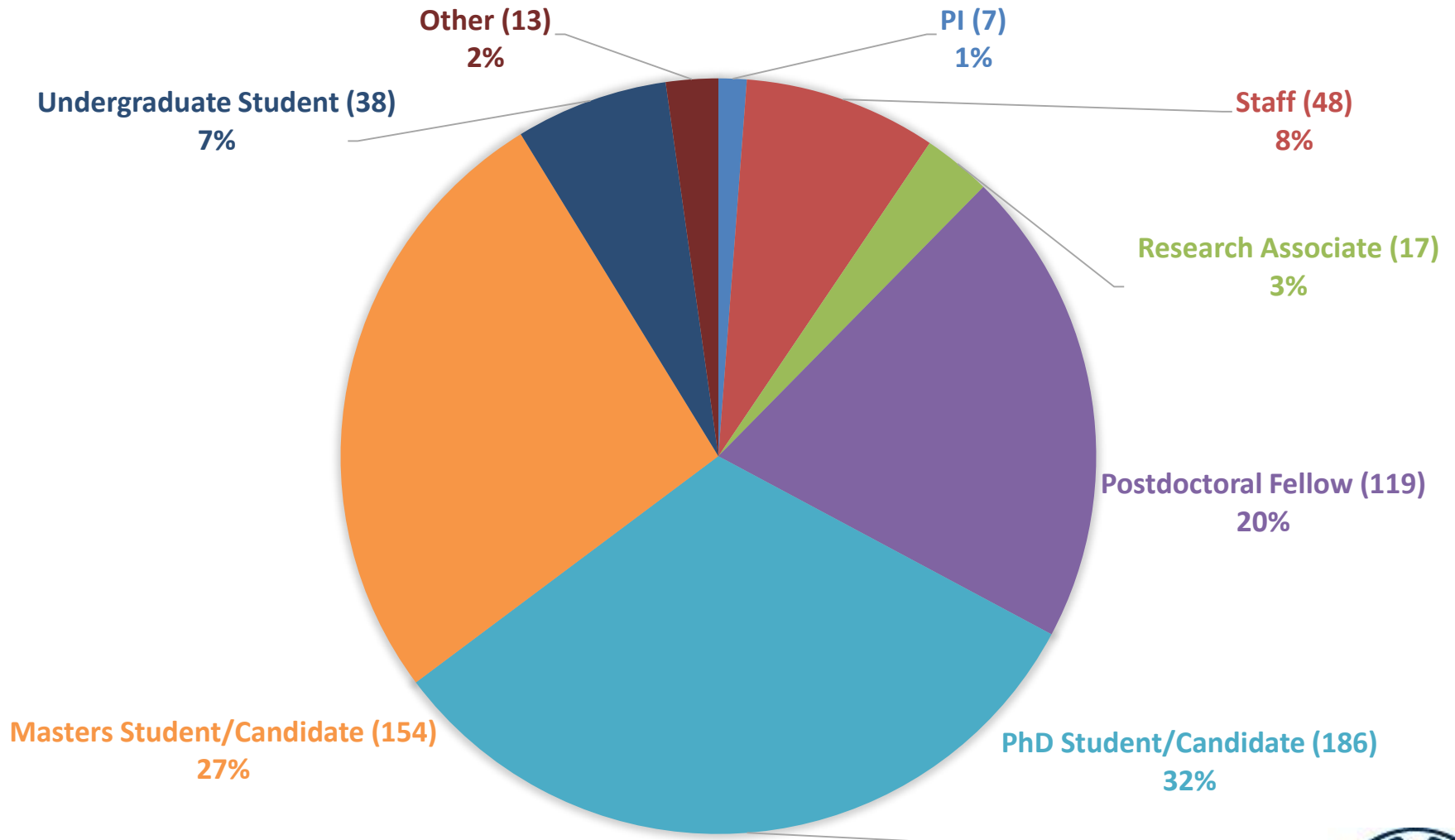


Feedback Survey – Research Centres

- Over 5 days, a total of **582 viewers** (out of 896) filled out the feedback survey
- HLI viewers = **~20%** of viewers who filled out the feedback survey (~23 / session)
- HLI had **tremendous visibility** across the UBC Faculty of Medicine and beyond!

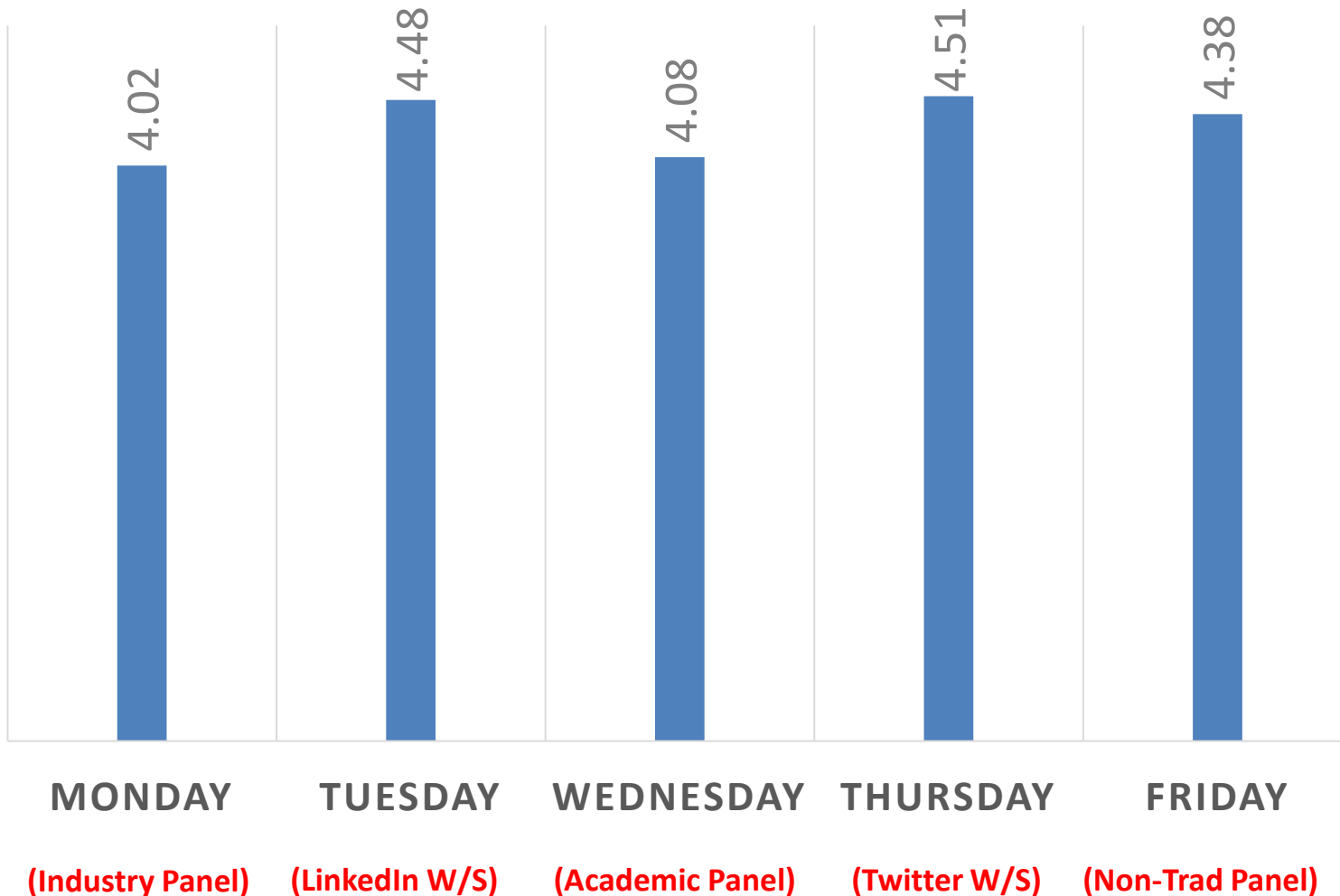


Feedback Survey – Current Position



Feedback Survey – Webinar Ratings

- Average rating of **4.26/5** over 5 days
- HLI Trainee Association got better at hosting Zoom Webinar every day!



Thank You!

- Alice Mui
- Amanda Chisholm
- Ashley Biggerstaff
- **Carleena Ortega**
- Carole Lunny
- Craig Rive
- **Daniel He**
- **Diana Vikulova**
- Don Sin
- Heather Muckart
- Ivan Leversage
- Jennifer Luu
- Karen Cheung
- Michael Hunt
- **Nancy Yang**
- **Scott Tebbutt**
- **Simran Samra**
- Sofya Langman
- Stefanie Mak
- **Tony Yang**
- Tricia Tang



Grants and Awards

Dr. Katherine Adolphs

Dec 9th, 2019 to May 15th, 2020

PI Grants

CIHR COVID-19 Rapid Response Grants



Jim Russell

- Host Response Mediators in Coronavirus (COVID-19) Infection (\$255,970)
- Supplement for biological sex determinants of COVID-19 outcome (\$49,932)



Don Sin (Co-applicant; Lead PIs: P. Unrau, M. Niikura)

- SARS-CoV-2 Rapid Research: Fast track isothermal viral diagnostics (\$431,980)



PI Grants

St. Paul's Foundation Grant

Jim Russell

- Grant for an observational cohort study of ARBs-exposed vs. non-ARBs-exposed hospitalized adults with COVID-19 (\$33,000)

400 patients already identified (target sample size 500) who are currently being phenotyped; plasma is being obtained in ~ 100 – 150 patients for biomarker studies.



PI Grants

Zachary Laksman (lead PI)

Liam Brunham (co-PI), Glen Tibbits (co-PI), Gordon Keller (co-PI)

Stem Cell Network – Accelerating Clinical Translation

- *Stem cell disease modeling and high throughput screening for personalized therapy of atrial fibrillation*
- \$586,000



PI Grants

CIHR Project Scheme, Fall 2019



Decheng Yang (w/ Bruce McManus)

- *Role of transcription factor NFAT5 in viral myocarditis: a novel strategy for therapy*
- \$604,350



Liam Brunham, John Boyd

(w/ D. Pinto, J. Russell, M. Trinder, K. Walley)



- *CETP Inhibition as a novel treatment to remove pathogen lipids and improve survival in sepsis*
- \$612,000



PI Grants



Pat Camp

**Canadian Lung Association Breathing As One
– Boehringer Ingelheim Canada**

COPD Catalyst Grant (CIHR partnered)

- *“COPD Alert! Telehealth System”*
- \$30,000 for one year



PI Awards



Liam Brunham

ASCI 2020 Young Physician Scientist Award

- *American Society for Clinical Investigation award recognizing physician-scientists who are early in their first faculty appointment and have made notable achievements in their research.*



Andrew Krahn

UBC Killam Research Prize

- *Recognizing outstanding research and scholarly contributions.*



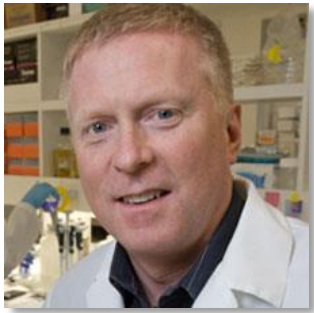
PI Awards



Del Dorscheid

AllerGen Michelle Harkness Mentorship Award

- *Recognizes researchers who demonstrate a significant commitment to promoting capacity building, career enhancement and personal growth through mentorship*
- *Mentoring excellence, investigator category*



Gordon Francis

Providence Health Care, Department of Medicine Faculty Research Award



Trainee Grants and Awards



Dragos Vasilescu (Hogg lab)

Parker B. Francis Fellowship

- *“Comprehensive multi-resolution investigation of IPF pathology”*
- \$225,000 over 3 years



Andrew Ramsook

**NSERC Canada Graduate Scholarships – Michael Smith
Foreign Study Supplements Program**

- *“Effect of blood flow restriction on sex and age differences in knee extensor fatigue”*
- \$6000 to undertake project at Marquette University, Milwaukee, WI



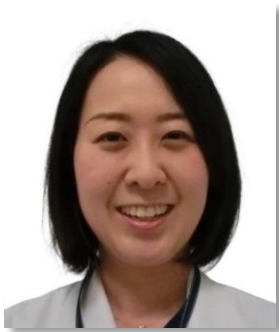
Trainee Grants and Awards



Katrina Besler (Francis lab)

Vanier Canada Graduate Scholarship

- 50,000 CAD/year for 3 years.



Mai Tsutsui (Sin lab)

Uehara Memorial Foundation Research Fellowship

- *The objective of the Uehara Memorial Foundation is to promote research in pharmaceutical development and other life science fields to enhance people's lives and welfare.*
- 3,400,000 yen/year (40,000 CAD)

Mitacs Accelerate

- A Novel Treatment for Emphysema by Radiofrequency in Rodents and Large Animals
- 110,000 CAD/2 years



Trainee Grants and Awards



Stephen Milne (Sin lab)

American Thoracic Society (ATS) –

- *Abstract Scholarship, Assembly on Allergy Immunology and Inflammation*
- *CTS Poster Competition*
- *Appointed to ATS Respiratory Structure and Function Assembly Program Committee*



Emmanuel Osei (Hackett lab)

ATS Abstract Scholarship

- *Assembly on Respiratory Structure and Function*



Trainee Grants and Awards



Paul Hanson (McManus lab)

Histochemical Society Travel Award

- 1000 USD to attend the Experimental Biology annual conference.

The conference was cancelled due to COVID-19, but they are still allocating the funds to attend another conference or Experimental Biology 2021.



Rylan McCallum (Brunham lab)

NSERC USRA



Srijan Subedi (Dorscheid lab)

Faculty of Medicine – Summer Student Research Program Award



Trainee Grants and Awards

**Peter Paré Scholarship 2020 awarded to:
Aileen Hseih and Tony Guo!**



Two previous winners who will be undertaking summer research projects at HLI this year.

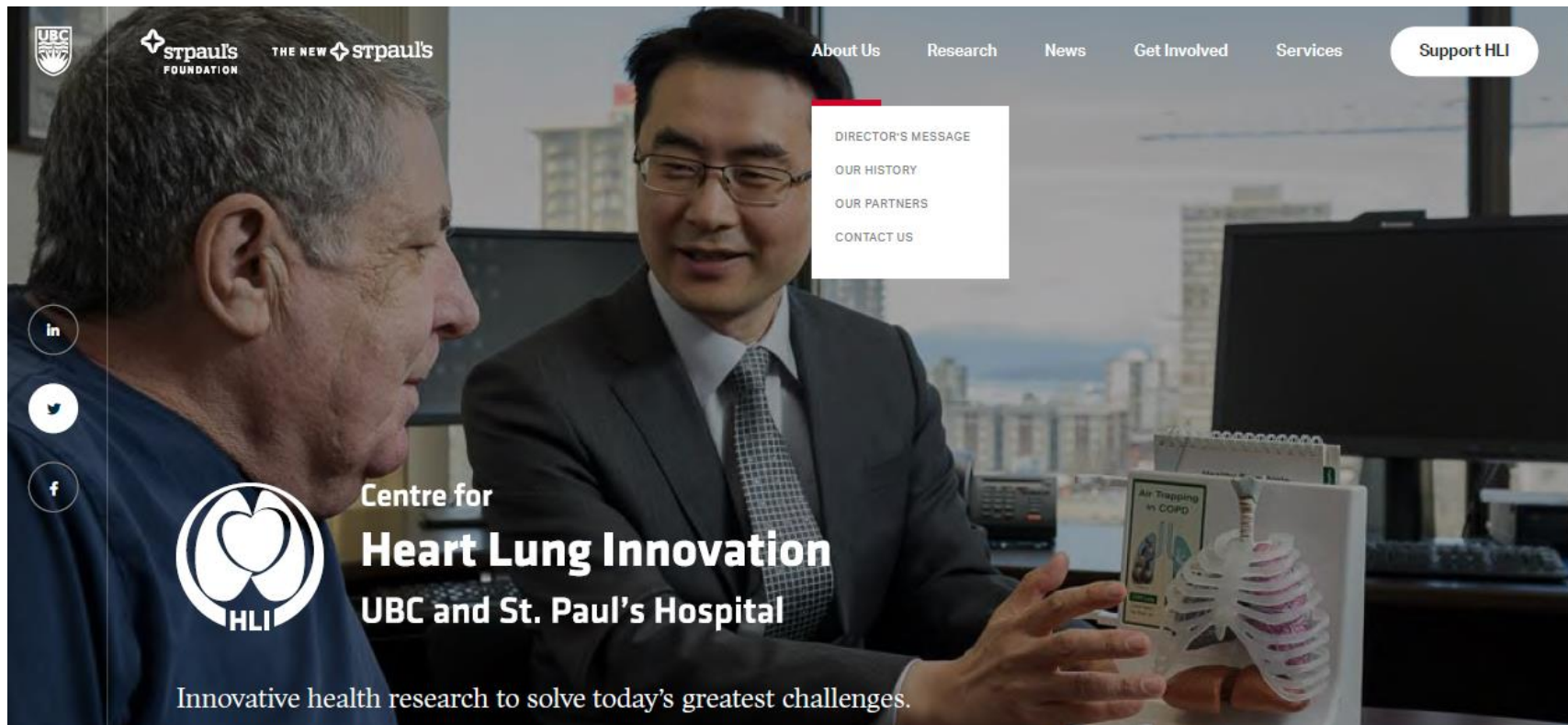


Website Renewal Project Update

Dr. Vivienne Chan



HLI Website Renewal Project



Working with a local company called StudioThink to redesign and create a new website for our centre. This is what the top of the home page will look like. Working on building new inside pages, home pages and test website. We will then need your help to create new content for specific info on research projects and PI Profiles.

Estimated completion: Summer/Fall 2020

CS: Excellent job, congrats on working with all the minute details and comments



Team Player of the Quarter

POSTPONED til the summer QM July 24th

- Every quarter, HLI members have the opportunity to recognize their fellow student or staff team mate by nominating them for this award which earns them a \$50 gift card
- The nominee with the most votes wins, we also recognize ties
- Don't miss the chance to say show your fellow HLI member how much you appreciate them.



Next Quarterly Meeting

Summer

Friday July 24th

10-11 am

Questions ?

No questions asked.

DS: We will keep you updated as information comes in. I know key staff are on site (CS, IL, DE, DV, JC, CR) so please contact them if you have questions. Also despite any rumours to the contrary, we do not anticipate any changes in our staffing needs, and the centre remains in good financial shape. Again, please stay safe and ask questions if you have any concerns.

