

UBC Department of Medicine

annual report 2021



THE UNIVERSITY OF BRITISH COLUMBIA

annual report 2021

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Cardiology
Community Internal Medicine
Critical Care Medicine
Endocrinology
Gastroenterology
General Internal Medicine
Geriatric Medicine
Hematology
Infectious Diseases
Medical Oncology
Nephrology
Neurology
Palliative Care
Physical Medicine & Rehabilitation
Respiratory Medicine
Rheumatology
Social Medicine



UNIVERSITY OF BRITISH COLUMBIA
DEPARTMENT OF MEDICINE

Annual Report 2021

Anita Palepu, MD, MPH, FRCPC, MACP

Professor and Eric W. Hamber Chair
Head, UBC Department of Medicine
Head, PHC Department of Medicine

Contributors

Department of Medicine Leadership
Department of Medicine Administrative Staff
Division Heads and Administrators
Program Directors and Managers



THE UNIVERSITY OF BRITISH COLUMBIA

Department of Medicine

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department of medicine

HEADS & DIRECTORS



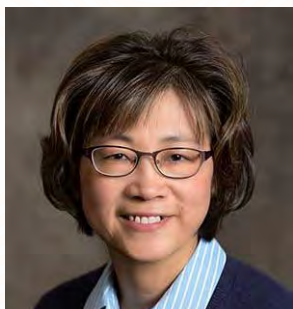
Anita Palepu, MD, MPH, FRCPC, MACP

Professor and Eric W. Hamber Chair
Head, Department of Medicine
University of British Columbia



Andrea Townson, MD, FRCPC, MSChPEd

Medical Co-Chair, Regional Rehab Program, VCHA
Clinical Professor, Division of Physical Medicine &
Rehabilitation
Associate Head, Education
UBC Department of Medicine



Teresa Tsang, MD, FRCPC, FACC, FASE

Director of Echo Lab, VGH and UBC
Professor, Division of Cardiology
Associate Head, Research
UBC Department of Medicine

UBC EDUCATIONAL PROGRAM DIRECTORS

Experimental Medicine
Postgraduate Education Program
Undergraduate Education Program
Educational Research & Scholarship
Clinical Faculty Representative

Dr. Tricia Tang
Dr. J. Mark Roberts
Dr. Harpinder Nagi
Dr. Kevin Eva
Dr. Emily Lai

UBC DIVISION HEADS

Allergy & Immunology
Cardiology
Community Internal Medicine
Critical Care Medicine
Endocrinology
Gastroenterology
General Internal Medicine
Geriatric Medicine
Hematology
Infectious Diseases
Medical Oncology
Nephrology
Neurology
Palliative Care
Physical Medicine & Rehabilitation
Respiratory Medicine
Rheumatology
Social Medicine

Dr. Amin Kanani
Dr. Andrew Krahn
Dr. Barry Kassen
Dr. Cheryl Holmes
Dr. Marshall Dahl
Dr. Robert Enns
Dr. Nadia Khan
Dr. Janet Kow
Dr. Stephen Nantel
Dr. Ted Steiner
Dr. Stephen Chia
Dr. Adeera Levin
Dr. Jon Stoessl
Dr. Pippa Hawley
Dr. Jennifer Yao
Dr. Christopher Carlsten
Dr. Kam Shojanian
Dr. Thomas Kerr

DEPARTMENT OF MEDICINE

message from the head

The UBC Department of Medicine provides excellence in research, teaching, and clinical services related to the nature, cause, and prevention of adult diseases. We are the largest Department in the Faculty of Medicine, with over 1,500 faculty and staff. The Department of Medicine includes 18 divisions with faculty located throughout the province of British Columbia.

The Department of Medicine is committed to ensuring the success of our learners and faculty and promoting the health of the province of British Columbia. The Department of Medicine has taken a substantial role in responding to COVID-19 in health care delivery in-person, virtually, and in research. Department of Medicine faculty, staff, and learners are working together, transforming health for everyone in communities at home and around the world despite the many challenges we face.

We present the 2021 Annual Report to share and celebrate our accomplishments. I am grateful for my excellent administrative team's expertise and the Associate Heads' professionalism and ongoing commitment to the Department during these turbulent times.

I would like to recognize all Department members for their efforts to do their best in this shifting landscape where exemplary education and research continue despite the pandemic.

Anita Palepu, MD, MPH, FRCPC, MACP

Professor and Eric W. Hamber Chair
Head, Department of Medicine
University of British Columbia



THE UNIVERSITY OF BRITISH COLUMBIA

Department of Medicine
Faculty of Medicine



department of medicine ADMINISTRATION

ADMINISTRATION

Dr. Anita Palepu continues to serve as Head, UBC Department of Medicine and Eric W. Hamber Chair in Medicine since assuming the role in September of 2019. She is the fifth Eric W. Hamber Chair. In her role, Dr. Palepu oversees one of the largest departments at UBC.

Education and Research are the portfolios that drive the Department of Medicine's strategic vision and mission – and each portfolio is led by our Associate Heads, Dr. Andrea Townson and Dr. Teresa Tsang (respectively). Each of our 18 divisions is led by an appointed Division Head.

COVID-19 Response

In March 2020, the University implemented a temporary Remote Work Arrangement for employees who could do so. The UBC Department of Medicine's Administration Office moved to a completely remote model taking direction from Provincial Health Officer Dr. Bonnie Henry, the BC Centre for Disease Control, Ministry of Health and Vancouver Coastal Health. The health and wellbeing of our UBC community remains our first priority.

Department of Medicine Events

Division Reviews

September 2021 - Division of Rheumatology

Women in Medicine Workshop

2021 - None due to COVID-19

Annual Faculty & Staff Recognition Awards

Each year, the UBC Department of Medicine honours faculty and staff members who have made significant and meaningful contributions to education, teaching, research, mentorship, and administration.

Our Annual Faculty & Staff Recognition Awards were held as Breakfast Events virtually via Zoom on June 10, 2021.

Medicine Grand Rounds

Grand Rounds successfully transitioned to a virtual format due to COVID-19. Attendance at Grand Rounds has increased substantially as a result.

Data Science and Health

The Department of Medicine has developed a Data Science and Health Experimental Medicine Course as a joint initiative between the Education and Research Offices with support from a Faculty of Medicine Strategic Investment Fund (SIF) grant.

The 2nd annual Data Science & Health (DASH) CPD event was held in November 2021 and was extremely successful and well-attended. The event focused on the Impact and Lessons Learned from the COVID-19 Pandemic.

The DASH Invited Lecture Series was launched in November of 2021. The Lecture Series seeks to enhance data literacy with BC's health research community.

Featured Speakers:

November 2021 - Dr. David Clifton, Professor, University of Oxford

December 2021 - Dr. Roxana Daneshjoo, Clinical Scholar, Stanford University

Annual Festive Celebration

Due to COVID-19, in lieu of a holiday reception for faculty and staff in December 2021, the Department of Medicine donated to UBC's charitable partner, the United Way of the Lower Mainland, and launched a holiday donation drive for department members to support people in need in our local communities.

The UBC Department of Medicine raised over \$21K for the United Way.

FINANCE

The Department of Medicine implemented a new Divisional Administration funding formula in an effort to enhance transparency.

HUMAN RESOURCES

Workday

On November 2, 2020, UBC's Integrated Renewal Program (IRP) officially launched Workday HCM and Finance to transform and modernize our Human Resource and Finance systems and processes and improve accessibility and continuity of work at UBC. Workday replaced HRMS and FMS PeopleSoft systems. Workday Student is anticipated to be completed during the 2023/2024 academic year.

New Division Heads

- Dr. Amin Kanani, Division of Allergy & Immunology

New Division Administrators

- Susanna O'Neil, Division of Infectious Diseases

New Education Office Staff

- Amy Meyer, PGME Senior Program Assistant

New Human Resources Staff

- Ainslee Huckvale, HR Assistant
- Sarah Soh, HR Assistant

New Research Office Staff

- Delaram Behnami (leave replacement), Research Manager
- Diane Kim, Research Coordinator
- Sharon Xu, Experimental Medicine Program Assistant

Retirements

- Dr. Vincent Duronio, Division of Respiratory Medicine
- Dr. Neil Reiner, Division of Infectious Diseases
- Mary Doyle-Waters, Department of Medicine



department of medicine

COMMITTEES

ACADEMIC APPOINTMENTS, REAPPOINTMENTS, PROMOTIONS AND TENURE COMMITTEE (AARPT)

Chair

- Dr. Anita Palepu, DOM Department Head

Co-Chair

- Dr. Andrea Townson, Clinical Professor, DOM Associate Head Education

Administrative Support

- Ana Sial, Faculty Hires & Promotions Manager

Committee Members (2021)

- Dr. O Benavente, Professor, Neurology
- Dr. W Bowie, Professor, Infectious Diseases
- Dr. M Carruthers, Clinical Associate Professor, Rheumatology
- Dr. K Chapman, Clinical Associate Professor, Neurology
- Dr. S Chia, Professor, Medical Oncology
- Dr. E Conway, Professor, Hematology
- Dr. C Cuncic, Clinical Associate Professor, General Internal Medicine
- Dr. A Fung, Clinical Professor, Cardiology
- Dr. J Gill, Professor, Nephrology
- Dr. S Gill, Clinical Professor, Endocrinology & Metabolism
- Dr. R Hatala, Professor, General Internal Medicine
- Dr. C Holmes, Clinical Professor, Critical Care
- Dr. S Jaffer, Clinical Professor, Community Internal Medicine
- Dr. P Keown, Professor, Nephrology
- Dr. M. Kiess, Clinical Professor, Community Internal Medicine
- Dr. F Kuchenbauer, Associate Professor, Partner, Hematology
- Dr. S Nantel, Clinical Professor, Hematology
- Dr. B Paty, Clinical Associate Professor, Endocrinology & Metabolism
- Dr. K Ramanathan, Clinical Professor, Cardiology
- Dr. M Roberts, Clinical Professor, General Internal Medicine
- Dr. C Ryerson, Associate Professor, Respiratory Medicine
- Dr. S Spacey, Clinical Associate Professor, Neurology
- Dr. S Taylor, Clinical Associate Professor, Community Internal Medicine
- Dr. E Yoshida, Professor, Gastroenterology

This dedicated group of committed Departmental members is charged with facilitating the career advancement of our members while upholding consistent and rigorous standards as set out by UBC. This Committee invested a great deal of thoughtful energy to support the additions and promotions below. We are very proud of the following:

NEW FACULTY APPOINTMENTS

Start Dates between January 1, 2021 and December 31, 2021

Clinical Instructor

- Addo, Lois - Palliative Care
- Afshar, Roshan - Community Internal Medicine
- Barake, Walid - Cardiology
- Baranyi, Matthew - Community Internal Medicine
- Belle, Jessica - Community Internal Medicine
- Camacho, Pedro - Community Internal Medicine
- Cannon, Tracy - General Internal Medicine
- Chair, Irene - Allergy & Immunology
- Chan, Casey - Community Internal Medicine
- Chan, Jillian - Neurology
- Chew, Leanne - Palliative Care
- Chu, Terry - Community Internal Medicine
- Chung, Shanee - Hematology
- Clifford-Rashott, Matthew - Infectious Diseases
- Cortina, Sandra - Community Internal Medicine
- Ding, Joy - Neurology
- Drury, Taylor - General Internal Medicine
- Dutkiewicz, Katrina - General Internal Medicine
- Gholam, Samiollah - Community Internal Medicine
- Hicks, Riley - Community Internal Medicine
- Ip, Alvin - Physical Medicine & Rehabilitation
- Ivanovic, Aleksandra - Neurology
- Kei, Lawrence - Physical Medicine & Rehabilitation
- Keshmiri, Hesamoddin - Cardiology
- Koval, Valentyna - Community Internal Medicine
- Ksseiry, Iyad - Endocrinology & Metabolism

- Lauder, Jonathan Erik – Community Internal Medicine
- Lee, Darren – Physical Medicine & Rehabilitation
- Lee, Eugene – Gastroenterology
- Lee, Tiffany – Critical Care Medicine
- Liu, Kevin – Community Internal Medicine
- Lupton, Keeva – Geriatric Medicine
- Ma, Siobhan – Palliative Care
- Mattar, Andrew – Neurology
- Motyka, Philip – Physical Medicine & Rehabilitation
- Nathan, Jessica – Community Internal Medicine
- Nero, Joshua – Gastroenterology
- Nicholl, David – Nephrology
- Niu, Emma – Community Internal Medicine
- Osborne, Alyson – Geriatric Medicine
- Qureshi, Natasha – Community Internal Medicine
- Rassem, Mariam – Physical Medicine & Rehabilitation
- Rubensohn, Hayden – Palliative Care
- Ruiz, Juan – Allergy & Immunology
- Saad, Stephan – Infectious Diseases
- Sandhu, Gurtej – Community Internal Medicine
- Saukila, Nasinuku – Community Internal Medicine
- Schnurr-Howsam, Rebecca (Becky) – Geriatric Medicine
- Shoki, Alborz – Respiratory Medicine
- Singla, Sushil – Physical Medicine & Rehabilitation
- Smith, Nicole – Community Internal Medicine
- Trang, Diana – Community Internal Medicine
- Woodrow, Bethany-Anne – Community Internal Medicine
- Wu, Elizabeth – Palliative Care
- Yang, Ruobing – Respiratory Medicine
- Yeung, Adam – Cardiology
- Yusuf, Dimas – Community Internal Medicine

Clinical Assistant Professor

- Al Zaki, Alaa – Hematology
- Arnold, Alexander – Neurology
- Bach, Horacio – Infectious Diseases
- Barake, Walid – Cardiology
- Baxter, Laura – Neurology
- Bernard, Brandon – Medical Oncology
- Bon, Richard – Cardiology
- Casault, Colin – Critical Care
- Chen, Audrey – Physical Medicine & Rehabilitation
- Cross, Helen – Neurology
- Desilet, Nikolas – Hematology

- Dhaliwal, Harinder – Neurology
- Ephtimios, Issa – Infectious Diseases
- Galm, Brandon – Endocrinology & Metabolism
- Gilley, Heather – Geriatric Medicine
- Goodwin-Wilson, Marnie – General Internal Medicine
- Harris, David J. – Infectious Diseases
- Jiwa, Nadim – Neurology
- Kim, Hyein – Rheumatology
- Laghari, Muhammad – Gastroenterology
- Lavoie, Jean-Michel – Medical Oncology
- Maclellann, Adam – Neurology
- Mainra, Rajesh – Respiratory Medicine
- Mann, Shawna – Nephrology
- Mitchell, Robert – Gastroenterology
- Rayner-Hartley, Erin – Cardiology
- Roy, Claudie – Hematology
- Samuels, Joel – Respiratory Medicine
- Sathananthan, Gnalini – Cardiology
- Shah, Aditi – Respiratory Medicine
- Smrke, Alannah – Medical Oncology
- Sugars, Benjamin – Community Internal Medicine
- Sy, Sarah – Geriatric Medicine
- Tkach, Aleksander – Neurology
- Tong, Calvin – Cardiology
- Tuck, Keiran – Neurology
- Uy, Christopher – Neurology
- Virmani, Divya – Infectious Diseases
- Weaver, Victoria – Infectious Diseases

Clinical Associate Professor

- Clarke, Brian – Cardiology
- Harrison, Rebecca – Neurology
- Kapasi, Ali – Respiratory Medicine
- Tan, Amy – Palliative Care

Clinical Professor, Emeritus

- Beckman, Jeff – Neurology
- Sullivan, Stephen – Community Internal Medicine
- Wong, George – Allergy & Immunology

Assistant Professor, Partner

- Bingham, Brittany – Social Medicine
- Sellers, Stephanie – Cardiology

Assistant Professor, Tenure Track

- Hacihaliloglu, Ilker – Neurology
- Leung, Janice – Respiratory Medicine

Assistant Professor, Grant Tenure Track

- Brigham, Emily – Respiratory Medicine
- Shahidi, Neal – Gastroenterology

Affiliate Associate Professor

- Debeck, Kora – Social Medicine

Adjunct Professor

- Carter, Rachel – Palliative Care
- Hassan, Eman – Palliative Care

FACULTY PROMOTIONS

Effective July 1, 2021

Clinical Assistant Professor

- Afra, Kevin – Infectious Diseases
- Chaworth-Musters, Tessa – General Internal Medicine
- Fox, Chris – Neurology
- Hanlan, Amy – Physical Medicine & Rehabilitation
- Huang, Kun – Rheumatology
- Little, Chris – Community Internal Medicine
- Liu, David – Critical Care Medicine
- Mitra, Anish – Critical Care Medicine
- Moosavi, Sarvee – Gastroenterology
- Nouthe Tietchou, Brice – Community Internal Medicine
- Phang, Sen Han – Respiratory Medicine
- Soeyonggo, Fify – Palliative Care
- To, Fergus – Rheumatology
- Wan, Tony – General Internal Medicine
- Wierstra, Ben – Critical Care Medicine
- Wormsbecker, Andrew – Critical Care Medicine

Clinical Associate Professor

- Chaubey, Vikas – Critical Care Medicine
- Grennan, Troy – Infectious Diseases
- Hawkins, Nate – Cardiology
- Kanji, Hussein – Critical Care Medicine
- Mckay, Jane – General Internal Medicine
- Moss, Robert – Cardiology

- Rahmanigorji, Poupak (Anna) – General Internal Medicine
- Topic, Delilah – Medical Oncology
- Vorobeychik, Galina – Neurology
- Webster, Sheila – Respiratory Medicine

Clinical Professor

- Beaulieu, Monica – Nephrology
- Briemberg, Hannah – Neurology
- Chapman, Kristine – Neurology
- Copland, Michael – Nephrology
- Da Roza, Gerald – Nephrology
- Grewal, Jasmine – Cardiology
- Jackson, Shannon – Hematology
- Mirzanejad, Yazdan – Infectious Diseases

Associate Professor, Grant Tenure

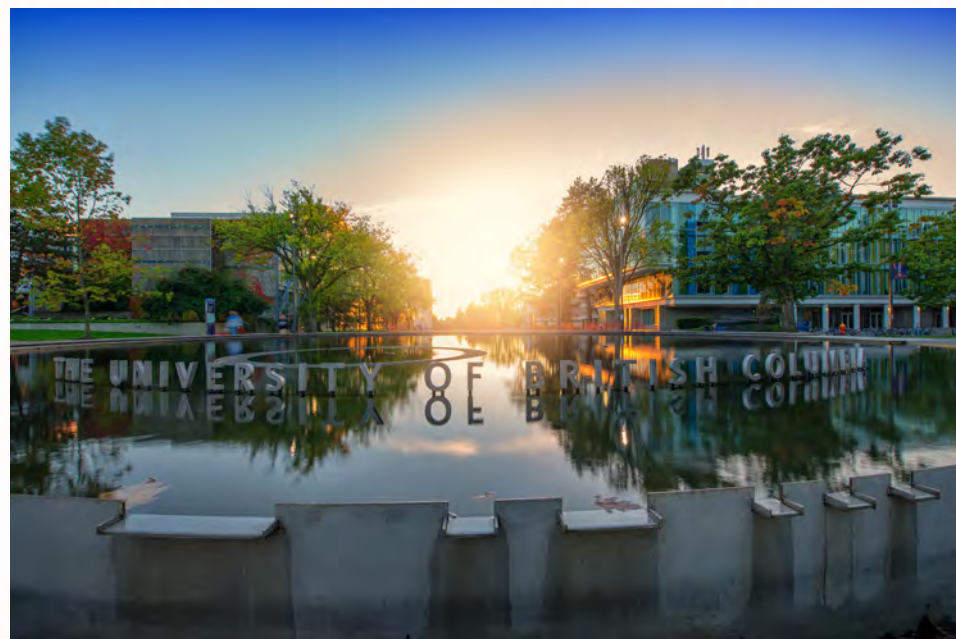
- Milloy, MJ – Social Medicine

Professor, Grant Tenure

- Ryerson, Chris – Respiratory Medicine

Professor, Tenure

- Madden, Ken – Geriatric Medicine



EQUITY COMMITTEE

Chair

- Dr. Diane Lacaille, Professor, Division of Rheumatology

Members

- Dr. Danya Fast
- Dr. Nadia Khan
- Dr. Heather Leitch
- Dr. Yvette Leung
- Dr. Graydon Meneilly
- Dr. Anita Palepu
- Dr. Andrea Townson
- Mary Liu, Director of Administration

Administrative Support

- Donna Combs, Administrative Coordinator to Department Head

Reports To

- Department Head, UBC Department of Medicine

Function

The Department of Medicine Equity Committee was created in 2009 to support the Department by monitoring and providing advice about matters that address issues of equity in the Department.

- To monitor the Department's policies and practices in regards to equity issues and advise the Department Head of any practices which are perceived as discriminatory
- To develop equity guidelines for the Department
- To educate senior leadership on equity
- To support and sponsor events and programs designed to foster equity in the Department
- To promote appropriate change by initiating and participating in discussions designed to further equity in the Department

The committee meets quarterly.

EXECUTIVE COMMITTEE

Chair

- Dr. Anita Palepu, DOM Department Head

Members

- Associate Heads
- Division Heads
- Educational Program Directors
- Clinical Faculty Representative
- Senior Administration

Administrative Support

- Kelsie Atwater, Administrative Assistant to Department Head

Function

The Department of Medicine is led by a diverse team of senior leaders, who are recognized for their national and international contributions to academic medicine.

Education, Research, and Academic Affairs are the portfolios that drive the Department of Medicine's strategic vision and mission – and each portfolio is led by one of our three Associate Heads. Each of our 18 divisions is led by an appointed Division Head.

The leadership team meets monthly at the UBC Executive Committee Meeting where members share departmental and university business as well as engaging in strategic planning for the department. The team works together to create goals and objectives that continue to grow and strengthen the UBC Department of Medicine. Meeting minutes are taken and are distributed to all committee members and are filed in the DOM administration office/UBC Archives as an archival record of departmental business.

The committee meets monthly.



MENTORING ADVISORY COMMITTEE

Director, Mentoring Program

- Dr. Sharlene Gill, Professor, Division of Medical Oncology

Members

- Dr. Thomas Kerr
- Dr. John Mancini
- Dr. Graydon Meneilly
- Dr. Anita Palepu
- Dr. Andrea Townson
- Dr. Teresa Tsang

Administrative Support

- Ana Sial, Faculty Hires & Promotions Manager

Reports to

- Department Head, UBC Department of Medicine

Function

The Mentoring Advisory Committee has overall responsibility for the Department of Medicine Mentoring Program, which operates within and is complementary to the Faculty of Medicine Mentoring Program. The committee liaises with the Department Executive Committee and the AARPT committee as needed.

The Committee members serve as an advisory group to the Committee chair and assist the chair as requested, in Program development and management. The Chair of the Mentoring Committee works closely with the Department Head to ensure that effective mentoring relationships are established and maintained for every new tenure track and grant tenure track department member from the time of their appointment through to their achievement of tenure and promotion to Associate Professor. The Committee ensures that every mentor-mentee relationship is documented and is functioning satisfactorily, and if not, that a new mentor is appointed. The Department Mentoring Program was established by Dr. Norman Wong in January 2005.

All materials needed to support the mentors and mentees are available on the Department website, and documentation is now possible without the creation, storage or transmission of paper documents.

We endeavour to ensure that a mentor is agreed upon by the date of completion of the recruitment process so that the relationship can begin soon after the commencement of the appointment. Ongoing, regular review and assessment of the Program occurs with the intent to implement change as needed.

Department of Medicine Mentor List

The Department of Medicine would like to acknowledge the following faculty members for their invaluable contributions to this important program in 2021:

- Dr. Jane Boxton – School of Population and Public Health
- Dr. Chris Carlsten – Respiratory Medicine, Department of Medicine
- Dr. Ed Conway – Hematology, Department of Medicine
- Dr. Vincent Duronio – Respiratory Medicine, Department of Medicine
- Dr. Rob Holt – Department of Medical Genetics
- Dr. David Huntsman – Department of Pathology
- Dr. Sandra Jervis Salinger – Faculty of Pharmaceutical Sciences
- Dr. Aly Karsan – Department of Pathology
- Dr. Mieke Koehoorn – School of Population and Public Health
- Dr. Agnes Lee – Hematology, Department of Medicine
- Dr. Adeera Levin – Nephrology, Department of Medicine
- Dr. Brian MacVicar – Department of Psychiatry
- Dr. Kim McGrail – School of Population and Public Health
- Dr. Chris McLeod – School of Population and Public Health
- Dr. Shaylih Muehlmann – Department of Anthropology
- Dr. Gina Ogilvie – School of Population and Public Health
- Dr. David Schaeffer – Department of Pathology
- Dr. Joel Singer – School of Population and Public Health
- Dr. Ted Steiner – Infectious Diseases, Department of Medicine



POSTGRADUATE RESIDENCY TRAINING COMMITTEE

Chair

- Dr. Mark Roberts, Director Postgraduate Education Program

Program Directors

- Dr. Tristen Gilchrist, APD Curriculum
- Dr. Martha Spencer, APD Evaluation & Assessment
- Dr. Ritu Kumar, APD PGY4
- Dr. Nathan Chan, Simulation Lead
- Dr. Shane Arishenkoff, Ultrasound Lead
- Dr. Jim Spence, Assistant Director Vancouver Island
- Dr. Peter Weerasinghe, APD Wellness
- Dr. Trudy Nasmith, CBME Lead

CTU Directors

- Dr. Shane Arishenkoff
- Dr. Gerald Da Roza
- Dr. Barry Kassen
- Dr. Jasmine Kerr
- Dr. Sharla Olsen
- Dr. Allison Walzak

Subspecialty Representative

- Dr. Jordanna Kapeluto

Associate Head, Education

- Dr. Andrea Townson

Undergraduate Representative

- Dr. Harpinder Nagi

Chief Medical Residents

- Dr. Sara Fraser
- Dr. Ryan Henrie
- Dr. Elise Jackson
- Dr. Derin Karacabeyli
- Dr. Miles Marchand
- Dr. Megan Shurey
- Dr. Eric Sonke
- Dr. Meiyong Zhuang

Class Representatives

- Dr. Jonathan Athayde
- Dr. Madelaine Beckett
- Dr. Harjot Bedi
- Dr. Craig Cavanagh
- Dr. Soma Dalai
- Dr. Laura Kim
- Dr. Hiten Naik
- Dr. Valeriya Zaborska

Administrative Support

- Kathy Standeven, Senior Education Program Manager
- Laura Moss, Postgrad Program Manager
- Melissa Nightingale, Postgrad Program Coordinator
- Natalie Cheng, Postgrad Senior Program Assistant

Reports to

- Department Head, UBC Department of Medicine
- Faculty of Medicine PGME Office

Function

The Core Internal Medicine Residency Training Program meets monthly to review and plan the educational activities within the Department of Medicine Core Training Program as well as activities and issues as they may relate to 19 Clinical Teaching Units and 65 subspecialty training sites throughout British Columbia.

- To ensure the program meets the goals and specific standards of accreditation of the Royal College of Physicians and Surgeons of Canada (RCPSC)
- To provide an opportunity for resident participation in administrative issues as well as providing a forum to present and discuss resident issues as they relate to each year
- Acting as a review committee when dealing with resident issues of a sensitive nature
- To develop, implement and evaluate education and administrative policies relevant to the Core Internal Medicine Training Program
- Interviewing and selection of Chief Medical Residents
- Review and revise educational objectives and evaluations in compliance with CanMEDS roles as developed by the RCPSC

RECRUITMENT AND RESOURCES COMMITTEE

Chair

- Dr. Diane Lacaille, Professor, Division of Rheumatology

Members

- Dr. Ed Conway
- Dr. Sharlene Gill
- Dr. Adeera Levin
- Dr. Graydon Meneilly
- Dr. Anita Palepu
- Dr. Andrea Townson
- Dr. Teresa Tsang
- Amanda Grenier, Human Resources Manager

Administrative Support

- Ana Sial, Faculty Hires & Promotions Manager

Reports to

- Department Head, UBC Department of Medicine

Function

The Department of Medicine created a Recruitment and Resources Committee to oversee future academic faculty recruitments within the Department and to ensure that the recruitments follow the Department's strategic recruitment direction, that appropriate resources are available, and that recruitments comply with the University's equity policies. The Committee also reviews the progress of new recruits at 1 year and 2 years after they have begun their appointments to ensure that the recruits are on track for future success. This has resulted in a more efficient academic faculty recruitment process, and allows better strategic planning for recruitments within the Department. A representative from the Department's Equity Committee also attends each meeting.

The committee meets monthly.



UNDERGRADUATE EDUCATION COMMITTEE

Chair

- Dr. Harpinder Nagi, Program Director

Members

- Dr. Jasjeet Rai, Associate Program Director
- Dr. Andrea Townson, Associate Head Education
- Discipline Specific Site Lead (DSSL)
 - Vancouver General Hospital: Dr. Sharmistha Das
 - St. Paul's Hospital: Dr. Debbie Rosenbaum
 - Royal Columbian Hospital: Dr. Erin Blake
 - Surrey Memorial Hospital: Dr. Michael Chapman
- All site Ambulatory Leads
 - Vancouver General Hospital: Dr. Aman Nijjar
 - St. Paul's Hospital: Dr. Renee Janssen
 - Surrey Memorial Hospital: Dr. Yazdan Mirzanejad
- Student representatives for Year 3 at each site
 - VFMP: Alessandro Cau
 - NMP: Connor Arduini
 - IMP: Sophia Gardezy
 - SMP: Marisa Berg
- Student representatives for Year 4 at each site
 - VFMP: Rem Aziz
 - NMP: Jordan McKenzie
 - IMP: Elizabeth Burden
 - SMP: Tanna Lauriente
- Clerkship Program Administrators

Administrative Support

- Kathy Standeven, Senior Education Program Manager
- Adriana Villegas, Senior Program Assistant, Yr 3 Clerkship
- Sabina Fitzsimmons, Senior Program Assistant, SPH, VGH Yr 3 Clerkship
- Monica Carrasco, Senior Program Assistant, Yr 4 Clerkship
- Jeanne Valencia, Senior Program Assistant, Ambulatory Rotation, VGH, SPH
- Chenoa Mah, Senior Program Assistant, Ambulatory Rotation, SMH

Reports To

- Department Head, UBC Department of Medicine
- Associate Head, Education, UBC Department of Medicine
- MD Undergraduate Year 3 & 4 Sub Committee

- Student Promotion Review Board

Function

The Internal Medicine Undergraduate Education Committee (hereafter: "UEC") is a standing committee responsible for planning, implementing, and evaluating the Year 3 Internal Medicine clerkship rotations and Year 4 electives across all four sites: Island Medical Program (IMP), Northern Medical Program (NMP), Southern Medical Program (SMP) and the Vancouver Fraser Medical Program (VFMP).

The Committee is chaired by the Undergraduate Program Director and membership is comprised of associate directors, Discipline Specific site Leads, faculty representatives from each distributed site, students from each year at each distributed site, and several non-voting members including the Head of Medicine and several representatives from each of the distributed sites.

The committee meets every 4 to 6 weeks or as required.



department of medicine

CHAIRS & PROFESSORSHIPS

CANADA RESEARCH CHAIRS

Dr. Jason Barton, Division of Neurology

Marianne Koerner Chair in Brain Diseases and Canada Research Chair in Human Vision and Eye Movement

Dr. Barton studies high-level visual processing and the cognitive control of eye movements. His research increases the understanding of the functional and anatomical basis of perceptual dysfunction in neurological disorders and the impact of visual rehabilitation.

Dr. Liam Brunham, Division of General Internal Medicine

Canada Research Chair in Precision Cardiovascular Disease Prevention

Dr. Brunham's research focuses on genetic aspects of cholesterol levels, cardiovascular disease (CVD), and pharmacogenomics. His research uses genomics to identify patients at risk of heart disease, improve their care, and lead to new ways to identify patients at risk for heart disease and to safer and more effective ways to treat and prevent this condition.

Dr. Christopher Carlsten, Division of Respiratory Medicine

AstraZeneca Chair in Occupational and Environmental Lung Disease and Canada Research Chair in Occupational and Environmental Lung Disease

Dr. Carlsten's research aims to understand the effects of inhaled pollutants on the lungs in order to better prevent and treat lung disease.

Dr. Ed Conway, Division of Hematology

Canada Research Chair in Endothelial Cell Biology

Dr. Conway's program researches the management of bleeding and immune system disorders. Since inflammation and cancer are often associated with excess blood clotting, Dr. Conway's research aims to determine the mechanisms in the blood and on the blood vessel wall. This will allow the design of better therapies and preventative strategies to prevent thrombosis.

Dr. Kate Shannon, Division of Social Medicine

Canada Research Chair in Global Sexual Health and HIV/AIDS

Dr. Shannon's research focuses on evaluating and addressing sexual health and HIV inequities and social justice among marginalized women and gender and sexual minority populations.

Dr. Don Sin, Division of Respiratory Medicine

Canada Research Chair in Chronic Obstructive Pulmonary Disease (COPD)

Dr. Sin is developing a simple blood test that can be used in a doctor's office to predict which chronic obstructive pulmonary disease (COPD) patients will have a "lung attack" and which patients will not. He is also working to develop a simple blood test to diagnose lung attacks in their earliest stages. These blood tests will help doctors to treat and prevent full blown lung attacks from taking place so patients can be treated at home and thus reduce the number of patients having to seek emergency care at hospitals.

Dr. A. Jon Stoessl, Division of Neurology

Canada Research Chair in Parkinson's disease

Dr. Stoessl's research uses positron emission tomography (PET) to study people at high risk of Parkinson's disease. He researches susceptibility to future neurodegeneration following minor head trauma and uses PET to determine the benefits of exercise in Parkinson's disease.

Dr. Evan Wood, Division of Social Medicine

Canada Research Chair in Inner City Medicine

Dr. Wood's research uses unique approaches to address substantial health and community concerns in low-income neighbourhoods where poverty, mental illness and drug addiction converge for the betterment of society.

ENDOWED CHAIRS

Dr. Andrew Krahn, Division of Cardiology

Sauder Family Heart and Stroke Foundation Chair in Cardiology

An internationally recognized expert in the management of cardiac arrhythmias, Dr. Krahn's research includes investigating the genetic causes of arrhythmias, causes of loss of consciousness, and implantable arrhythmia device monitoring.

Dr. Andrei Krassioukov, Division of Physical Medicine & Rehabilitation

Chair in Spinal Cord Rehabilitation Research

Dr. Krassioukov's research is devoted to helping people with spinal cord injuries maintain their cardiovascular health. His focus is on a condition commonly known as autonomic dysreflexia, a condition familiar to the majority of individuals with spinal cord injuries as well as their caregivers.

Dr. Diane Lacaille, Division of Rheumatology

Mary Pack Chair in Arthritis Research

Dr. Lacaille's research has focused on studying the impact of arthritis on employment, preventing work disability and evaluating the quality and outcome of care for those with rheumatoid arthritis.

Dr. Kenneth Madden, Division of Geriatric Medicine

Allan M. McGavin Chair in Geriatrics Research

Dr. Madden's research is to improve preventive health interventions in older adults. His research is looking to discover new ways to prevent falls due to fainting, and to improve overall cardiovascular health in older adults through exercise. His laboratory uses innovative translational techniques designed to shorten the time lag between bench research and "real world" applications.

Dr. Martin McKeown, Division of Neurology

Pacific Parkinson's Research Institute UBC Chair in Parkinson's Research

Dr. McKeown's research investigates ways which assist people with Parkinson's disease and related disorders. His research looks at novel interventions and treatments for Parkinson's disease, as well as examining the mechanisms of disease complications and examining compensatory mechanisms in Parkinson's disease as they may provide novel targets for intervention.

Dr. Julio Montaner, Division of Infectious Diseases

UBC and St. Paul's Hospital Foundation Chair in AIDS Research

Dr. Montaner's current major research interests are harm reduction (including safe injection sites and needle exchange programs), treating hard-to-reach HIV-positive populations, and developing new antiretrovirals. He is also focusing on optimizing HAART (Highly Active Antiretroviral Therapy) treatment and authoring further studies on the "Treatment as Prevention" strategy.

Dr. Anita Palepu, Division of General Internal Medicine

Eric W. Hamber Chair in Medicine

Dr. Palepu is an outstanding clinician, educator, researcher, mentor and administrator who has been recognized for excellence in each of these areas and is highly regarded by everyone who knows her. She has held a number of leadership and administrative roles and her record of professional service is exemplary. She is well known as an energetic and enthusiastic leader, and is a tremendous asset to the Department, the Faculty, and the University as Head of the UBC Department of Medicine.

Dr. Anthony Traboulsee, Division of Neurology

Multiple Sclerosis Society of Canada Research Chair

Dr. Traboulsee's research focuses on clinical trial design, the development of practice guidelines for the use of MRI in the management of MS, establishing advanced MRI imaging outcomes in Multiple Sclerosis, and the treatment of Neuromyelitis Optica.

Dr. Yu Tian Wang, Division of Neurology

Heart and Stroke Foundation Chair in Stroke Research

Dr. Wang's research focuses on understanding the molecular mechanisms responsible for regulating the function and intracellular trafficking of neurotransmitter receptors critical for brain functions, such as learning, memory and cognition, and investigating the manner by which these mechanisms may be altered in central nervous disease processes.

PROFESSORSHIPS

Dr. Silke Appel-Cresswell, Division of Neurology

Pacific Parkinson's Research Institute Professorship in Parkinson's Research Endowment

Dr. Appel-Cresswell's research focuses on the role of the microbiome in Parkinson's disease and other brain disorders, care delivery in Parkinson's as well as coping strategies, resilience and neuropsychiatric features of Parkinson's. She has established iCAPTURE PD, a large registry for Parkinson's and related disorders which serves as a resource to understand clinical patterns and clinic-genetic correlations.

Dr. Nadia Fairbairn, Division of Social Medicine

Philip Owen Professorship in Addiction Medicine

Dr. Fairbairn will lead and support the development of new innovative treatments for substance use and addiction, and will also work to attract additional resources including funding, researchers, clinicians, trainees and educators to the University and be a leader in advancing knowledge and practice in this addiction medicine.

Dr. Thalia Field, Division of Neurology

Sauder Family Heart and Stroke Foundation of BC and Yukon Professorship in Clinical Stroke Research

Dr. Field is a stroke neurologist and clinician-researcher with a focus on clinical trials. She is currently leading a national study on cerebral venous thrombosis, a rare cause of stroke primarily affecting younger women. She has a particular interest in process improvement in clinical trials, including working with patients to identify important outcomes, and integrating technology to enhance efficiency and engage under-represented populations.

Dr. Richard Harrigan, Division of Social Medicine

Glen-Hillson Professorship in Clinical HIV Virology

Dr. Harrigan's research has contributed to the understanding of antiviral drug efficacy and resistance, as well as the human and viral parameters that influence HIV disease progression. His laboratory has developed and distributed software for improved automated analysis of HIV drug resistance ("ReCall"). Dr. Harrigan's research in these areas has played a key role in enabling the significant improvements in quality and duration of life afforded patients by HAART (Highly Active Antiretroviral Therapy).

Dr. Andrew Krahn, Division of Cardiology

Paul Brunes UBC Professorship in Heart Rhythm Disorders

An internationally recognized expert in the management of cardiac arrhythmias, Dr. Krahn's research includes investigating the genetic causes of arrhythmias, causes of loss of consciousness, and implantable arrhythmia device monitoring.

Dr. M-J Milloy, Division of Social Medicine

Canopy Growth Professorship in Cannabis Sciences

Under the auspices of this first-of-its-kind professorship, Dr. Milloy leads clinical trials to explore the use of cannabis for substance use disorders and related conditions. Findings from these clinical trials could help identify ways to better support people with opioid use disorder with cannabis-based therapy.

Dr. Haakon B. Nygaard, Division of Neurology

Charles E. Fipke Professorship in Alzheimer's Research

Dr. Nygaard leads a project to sequence the genomes of centenarians in search for a genetic cause of dementia-free aging. Dr. Nygaard hopes to bridge the gap between basic science and clinical neurology to facilitate novel therapeutic development in Alzheimer's disease.

Dr. Stephan van Eeden, Division of Respiratory Medicine

Glaxosmithkline Professorship in Chronic Obstructive Pulmonary Disorder

Dr. van Eeden's research program focuses on the mechanisms of lung inflammation, particularly, lung inflammation caused by infection, cigarette smoking, and air pollution. Dr. van Eeden's research covers a broad range of clinical conditions such as pneumonia, chronic bronchitis, emphysema, and acute respiratory distress syndrome.

Dr. John Webb, Division of Cardiology

McLeod Family Professorship in Valvular Heart Disease

Dr. Webb performed the first transfemoral and the first transapical transcatheter aortic valve implantation in the world. He also completed the first ever transcatheter mitral valve-in-valve replacement and the first in-human TMVR (transcatheter mitral valve replacement) to be completed with the Neovasc Tiara device.

DISTINGUISHED SCHOLARS

Dr. Nathaniel Hawkins, Division of Cardiology

UBC Dr. Charles Kerr Distinguished Scholar in Heart Rhythm Management

Dr. Hawkins' research touches on numerous stages of care for heart device patients, such as the development of registries and data systems to more effectively identify patients who could benefit from heart devices. Dr. Hawkins is also investigating outcomes for heart device patients, which could lead to fewer complications and higher survival rates.

Dr. Judy Illes, Division of Neurology

UBC Distinguished University Scholar in Neuroethics

Dr. Illes' research has made contributions to ethical, social, and policy challenges at the intersection of biomedical ethics and neuroscience, with a specific focus on aging and dementia, addiction and mental health, neuroimaging, stem cells, cross-cultural values, and the commercialization of health care.



department of medicine

AWARDS & SIGNIFICANT HONOURS

UBC DEPARTMENT OF MEDICINE AWARDS

Faculty Awards

Donald M. Whitelaw Award for Outstanding Grand Rounds Presentation

2021 SPH - Dr. Janarthanan Sathanathan (Cardiology)
2021 VGH - Dr. Jason Andrade (Cardiology)

Fay R. Dirks Award for Excellence in Teaching

2021 SPH - Dr. Krishnan Ramanathan (Cardiology)
2021 VGH - Dr. Tricia Tang (Endocrinology)

PHC Graeme Copland Clinician Teacher Award

2021 SPH - Dr. Stephane Voyer (General Internal Medicine)

Martin M. Hoffman Award for Excellence in Research

2021 SPH - Dr. Nadia Fairbairn (Social Medicine)
2021 VGH - Dr. Judy Illes (Neurology)

PHC St. Paul's Hospital Faculty Research Award

2021 SPH - Dr. M-J Milloy (Social Medicine)

UBC Master Teacher Award

2021 SPH - Dr. Barry Chan (General Internal Medicine)
2021 VGH - Dr. Parvathy Nair (Cardiology)

PHC Howard B. Stein Master Teacher Award

2021 SPH - Dr. Anna Rahmani (General Internal Medicine)

Graydon Meneilly Award for Excellence in Mentoring

2021 VGH - Dr. Kam Shojania (Rheumatology)

Teaching Excellence - Special Recognition

2021 - Dr. Vicki Bernstein (Cardiology)
2021 - Dr. Peter Dodek (Critical Care Medicine)
2021 - Dr. Barry Kassen (General Internal Medicine)
2021 - Dr. Graydon Meneilly (Geriatric Medicine)
2021 - Dr. Jake Onrot (General Internal Medicine)
2021 - Dr. Robert Schellenberg (Allergy & Immunology)
2021 - Dr. Amil Shah (Medical Oncology)

Staff Awards

CUPE 2950 Staff Award of Excellence

2021 - Melanie Parris, Executive Assistant (Infectious Diseases)

Staff Award for Early Career Excellence

2021 - Vishaldeep Sidhu, Director Research Operations (Cardiology)

M&P Staff Award of Excellence

2021 - Cathy Chabot, Research Manager (Social Medicine)
2021 - Agnes Yuen, Research Manager (Respiratory Medicine)

Staff Award for Career Excellence

2021 - Kathy Standeven, Senior Education Manager, Department of Medicine

UBC FACULTY OF MEDICINE AWARDS

Academic Gowns

2021
Dr. Eric Lam (Gastroenterology)
Dr. David Miller (Medicine)
Dr. Krishnan Ramanathan (Cardiology)
Dr. Kevin Song (Hematology)

Dr. Peter Dodek, Emeriti (Critical Care Medicine)
Dr. Donald Ricci, Emeriti (Cardiology)
Dr. Robert Schellenberg, Emeriti (Allergy & Immunology)

EXTERNAL AWARDS AND HONOURS

Award for Innovation in CME/CPD

2021 - Dr. Paul Winston and Dr. Rajiv Reebye (Physical Medicine & Rehabilitation)

Award for Excellence in Mentoring Early Career Faculty

2021 - Dr. Andrei Krassioukov (Physical Medicine & Rehabilitation)

Clinical Faculty Award for Excellence in Advancing Equity, Diversity, and Inclusiveness (Mid/Late Career)

2021 - Dr. Lynn Straatman (Cardiology & Palliative Care)

Clinical Faculty Award for Excellence in Clinical Teaching (Late Career)

2021 - Dr. Jim Spence (Community Internal Medicine)

Clinical Faculty Award for Excellence in Leadership/Service (Early Career)

2021 - Dr. Shane Arishenkoff (General Internal Medicine)

Clinical Faculty Award for Excellence in Research (Mid/Late Career)

2021 - Dr. Jason Andrade (Cardiology)

Distinguished Achievement Award for Excellence in Education

2021 - Dr. Kevin Eva (General Internal Medicine)

Distinguished Achievement Award for Overall Excellence Early Career

2021 - Dr. M-J Milloy (Social Medicine)

Distinguished Achievement Award for Advancement of Equity, Diversity, and Inclusiveness

2021 - Dr. Kate Shannon (Social Medicine)

Distinguished University Scholar

2021 - Dr. Judy Illes (Neurology)

PGME Faculty & Staff Wellness Awards

2021 - Melissa Nightingale (Department of Medicine Education)



ALS Canada Discovery Grant

2021 - Dr. Neil Cashman (Neurology)

American Academy of Sleep Medicine Change Agents Competition Winner

2021 - Dr. Najib Ayas (Respiratory Medicine)

BC Cancer Patient Care Champion Award

2021 - Dr. Florian Kuchenbauer (Hematology)

BCCH Digital Health Research Accelerator Grant

2021 - Dr. Tricia Tang (Endocrinology)

BC Patient Safety and Quality Council Everyday Champion Award

2021 - Dr. Paul Winston (Physical Medicine & Rehabilitation)

BC Society of Rheumatology Teaching Award

2021 - Dr. Dan Ennis (Rheumatology)

BC Society of Rheumatology Innovation Award

2021 - Dr. Mo Bardi (Rheumatology)

Burnaby Hospital Foundation Cheers to You Award

2021 - Dr. Fify Soeyonggo and Dr. Ed Dubland (Palliative Care)

Canadian Academy of Health Sciences Fellow

2021 - Dr. Anita Palepu (General Internal Medicine)

Canadian Association of Gastroenterology Fellow

2021 - Dr. Jennifer Telford (Gastroenterology)

Canadian Association for Medical Education Certificate of Merit Award

2021 - Dr. Cary Cuncic (General Internal Medicine)

2021 - Dr. Parvathy Nair (Cardiology)

Canadian Association of PM&R Award of Merit

2021 - Dr. Paul Winston (Physical Medicine & Rehabilitation)

Canadian Heart & Stroke Best Practices Stroke Rehabilitation Co-Chair

2021 - Dr. Jennifer Yao (Physical Medicine & Rehabilitation)

Canadian Medical Association Scientific Editorial Board Member (Traumatic Brain Injury Chapter)

2021 - Dr. Mark Crossman (Physical Medicine & Rehabilitation)

CIHR Spring 2021 Project Competition

2021 - Dr. Najib Ayas (Respiratory Medicine)
2021 - Dr. Ed Conway (Hematology)
2021 - Dr. Danya Fast (Social Medicine)
2021 - Dr. Rod Knight (Social Medicine)
2021 - Dr. Shannon Kolind (Neurology)
2021 - Dr. Jonathan Loree (Medical Oncology)
2021 - Dr. David Moore (Social Medicine)
2021 - Dr. David Patrick (Infectious Diseases)
2021 - Dr. Noah Silverberg (Physical Medicine & Rehabilitation)
2021 - Dr. Don Sin (Respiratory Medicine)
2021 - Dr. Anthony Traboulee (Neurology)
2021 - Dr. Lynn Raymond (Neurology)

CIHR Fall 2021 Project Competition

2021 - Dr. Sean Barbour (Nephrology)
2021 - Dr. Chris Fordyce (Respiratory Medicine)
2021 - Dr. Gordon Francis (Endocrinology)
2021 - Dr. Kevin Hay (Hematology)
2021 - Dr. Seonaid Nolan (Social Medicine)
2021 - Dr. Myp Sekhon (Critical Care Medicine)
2021 - Dr. John Staples (General Internal Medicine)
2021 - Dr. Lianping Ti (Social Medicine)
2021 - Dr. Teresa Tsang (Cardiology)

International Society of Nephrology Emerging Leader

2021 - Dr. Michelle Wong (Nephrology)

Island Health Authority Evidence into Practice Silver Medal Award

2021 - Dr. Paul Winston (Physical Medicine & Rehabilitation)

MSFHR Convening & Collaborating (C2C) Program Award

2021 - Drs. Brittany Bingham (Social Medicine) and Chris Carlsten (Respiratory Medicine)
2021 - Drs. Jerilynn Prior (Endocrinology)
2021 - Dr. Daniel Renouf (Medical Oncology)

MSFHR Health Professional Investigator Award

2021 - Dr. Tricia Tang (Endocrinology)
2021 - Dr. Paxton Bach (Social Medicine)
2021 - Dr. Troy Grennan (Infectious Diseases)
2021 - Dr. Matthew Kadatz (Nephrology)
2019 - Dr. Florian Kuchenbauer (Hematology)

MSFHR Reach Awards

2021 - Drs. Ken Madden, Naaz Parmar and Larry Dian (Geriatric Medicine)
2021 - Dr. M-J Milloy (Social Medicine)

MSFHR Scholar Award

2021 - Dr. James Lan (Nephrology)

National Institute of Mental Health Grant

2021 - Dr. Kathleen Deering and Kate Shannon (Social Medicine)

Providence Health Care Research and Mission Award

2021 - Dr. Chris Ryerson (Respiratory Medicine)

Richmond Hospital Teacher of the Year

2021 - Dr. Shane Murphy (Palliative Care)

Royal Columbian Hospital Foundation Champion of Philanthropy

2021 - Dr. Steve Reynolds (Critical Care Medicine)

Royal Society (UK) Fellow

2021 - Dr. Connie Eaves (Hematology)

University of Calgary Exceptional Service in Palliative Care Academic Teaching Award

2021 - Dr. Nicola Macpherson (Palliative Care)

VCHRI Investigator Award

2021 - Dr. Christina Luong (Cardiology)

VCHRI Innovation & Translational Research Award

2021 - Dr. Liam Brunham (General Internal Medicine)
2021 - Dr. John Staples (General Internal Medicine)
2021 - Dr. Scott Tebbutt (Respiratory Medicine)

VCHRI Team Grant Award

2021 - Dr. Sara Belga (Infectious Diseases)
2021 - Dr. Jan Hajek (Infectious Diseases)

VMDA Special Service Award

2021 - Dr. David Sweet (Critical Care Medicine)

VMDA Medical Staff Hall of Honour

2021 - Dr. Victoria Bernstein (Cardiology)



THE UNIVERSITY OF BRITISH COLUMBIA

Department of Medicine

Faculty of Medicine

EDUCATION

department of medicine

EDUCATION



OFFICE OF EDUCATION LEADERSHIP

Dr. Andrea Townson, Associate Head, Education

Undergraduate Education Office

- Dr. Harpinder Nagi, Program Director
- Dr. Jasjeet Rai, Associate Program Director

Postgraduate Education Office

- Dr. Mark Roberts, Director Postgraduate Education Program
- Dr. Jim Spence, Assistant Director, Postgraduate Education Program Vancouver Island
- Dr. Peter Weerasinghe, Associate Program Director (Wellness)
- Dr. Martha Spencer, Associate Program Director (Evaluation & Assessment)
- Dr. Ritu Kumar, Associate Program Director (PGY4)
- Dr. Tristen Gilchrist, Associate Program Director (Curriculum)
- Dr. Shane Arishenkoff, Lead Ultrasound Program
- Dr. Nathan Chan, Lead Simulation Program
- Dr. Trudy Nasmith, Lead, Competency Based Medical Education

We are grateful to our education leaders for their role in the development of the next generation of UBC-trained healthcare providers, who supervise, guide, and mentor our learners each year across the province of British Columbia.

HIGHLIGHTS

- Successfully filled all PGY1 CaRMS Positions for Canadian and International Medical Graduates
- Competence By Design entered its 3rd year, with the first CBD cohort entering the final year of core training
- Continued successful delivery of virtual academic curriculum
- 37th Annual Resident Research Day was delivered in June 2021 via Zoom and was very well attended, with two presentation streams running concurrently for the full day
- PGY1 Boot Camp was successfully re-launched in its entirety - inclusive of Ultrasound and Procedures curriculum - and delivered for the first time in full since 2019
- Virtual CaRMS interviews continued in 2021
- International Health Elective on hold due to COVID-19. To be resumed in 2022 health and safety permitting
- Continued to plan as needed during the COVID-19 outbreak waves ensuring the mobilization of all residents to effectively staff inpatient units with primarily the assistance of our sub-specialty programs
- Undergraduate Clerkships continued uninterrupted during COVID-19 outbreaks with safety protocols in effect; visiting student electives on hold

- Class of 2023 Year 3 students began clerkship on June 21, 2021 with a slightly shorter Block 1 of 10 weeks returning to pre-pandemic norms of 12 week blocks Block 2 through 4
- Class of 2022 Year 4 students began clinical electives on July 26, 2021
- IM Ambulatory rotations resumed their pre-pandemic norm of two weeks dedicated to IM on August 30, 2021. The integration of Dermatology/Ophthalmology AHD into the ambulatory 4-week rotation was introduced.

Faculty Recognition, Support, and Development

- Virtually presented our annual “Honour Roll for Clinical Teaching Excellence Award” to recognize the top ten percent of Undergraduate and Postgraduate teachers for outpatient and inpatient learning experiences
- At 2021 awards ceremony, recognized several leading educators stepping down: Dr. Bernstein, Dr. Dodek, Dr. Meneilly, Dr. Onrot and Dr. Schellenberg
- Updated the teaching opportunity contact list for all Undergraduate Scheduled Teaching
- Continued to review and adjust the Formal Educational Activities guidelines for Academic Faculty to recognize new eligible teaching sessions.
- Continued the investigation into Revenue Generating Education opportunities with partnering programs at UBC
- Continued to seek out collaborations for potential course development and supported the new course submission, Experimental Medicine: Data Science & Health created within the Strategic Investment Fund Project: Data Science & Health: Mapping an Education Trajectory. Pilot Course MEDI 504 A successfully delivered September-December 2021

Scholarship Promotion

- Meetings with partners such as CHES, Faculty Development
- Regular meetings with DOM Education Scholar to discuss ways to promote educational scholarship (at an individual and Departmental level)

FUTURE DIRECTIONS

Office of Education

Continue to support Faculty development and scholarly opportunities across the divisions. Continue to search for partners to create revenue generating education courses.



UNDERGRADUATE EDUCATION PROGRAM

Internal Medicine Ambulatory Rotations

- Site Lead working group continued to meet quarterly to share best practices and opportunities for improvement across the sites

Curriculum renewal

- Members of the Department of Medicine continued to contribute to this process by creating modified materials and processes reflecting any identified needed curriculum modifications and mapping improvements

Curriculum response to COVID-19

- Revised Academic Half Day curriculum delivery method and format. All sessions changed to online remote learning and flipped the classroom with most sessions changed to Q&A sessions based on scheduled topics with pre-assigned materials

POSTGRADUATE EDUCATION PROGRAM

Competency Based Education

- Attended annual meeting of the Canadian Association of Internal Medicine Program Directors (CAIMPD) held virtually in May 2021, with a roundtable discussion of CBME at each institution
- Successful onboarding of new class onto Entrada platform and orientation to EPAs in Boot Camp. New PGY1s met with academic coaches in the fall, and Competency Committee met in November to review progression to Foundations of Discipline for the class. With CBD entering its third year, a 2nd Competence Committee was formed to review the PGY1 class, with the initial committee continuing to track the progress of the PGY2 and PGY3 classes
- Closer tracking of EPAs in Entrada resulted in increased uptake in EPA completion
- Resident Coaching continued to be an integral and well-received aspect of CBME

Curriculum Updates

- Successful delivery of 2 cycles of two-week boot camp for the incoming PGY1s in July, with very positive evaluations from residents. Re-launch of in-person Ultrasound and Procedures curriculum in the VGH simulation centre was very well-received by the residents
- Successful delivery of formative virtual OSCEs for PGY1s and PGY2s, with

strong support and feedback from residents

- Continued with the Academic Half Day format of PGY1 Didactic Lecture Series, and Senior Resident Breakout Sessions on Zoom, with protected time for PGY2 and PGY3 study groups to meet. Virtual delivery of communication simulation sessions, rapidly deteriorating patient scenarios, Wellness Ice Cream Rounds and ACP examination
- Launched a 1-week orientation session for Core PGY4 residents, including academic, simulation and quality improvement sessions
- Launched a monthly Journal Club for presentations by Core PGY4 residents, in collaboration with the 5-year GIM program and Internal Medicine services across the province

CaRMS

- Successfully matched all PGY1 positions in Vancouver and Victoria for Canadian and International graduates
- Continued implementation of a “buddy” system for PGY1s to match them up with a senior buddy prior to the start of the academic year

International Health Project

- Elective continued to be on hold due to the pandemic
- Launch of virtual Global Health case rounds presentations with University of Rwanda medical residents

Events

- Resident Research Day - June 2, 2021 (virtual)

FUTURE DIRECTIONS

Undergraduate Education

Continue to support the implementations of improvements to the curricular map and revised assessment modalities for the renewed Year 3 clerkship and the start-up of the renewed Year 4 clerkship. Continue with the ongoing search for alternatives to improve the current underfunding of the Undergraduate program.

Postgraduate Education

Continue to focus on the successful launch of the Competence By Design and focus on learner safety in the clinical setting in the midst of the pandemic, and continue to improve quality of academic sessions, social connections and wellness within the program in the new, hybrid learning environment.

department of medicine

EXPERIMENTAL MEDICINE PROGRAM



Dr. Tricia Tang
Director, Experimental Medicine

LEADERSHIP

Dr. Tricia Tang continues to steward the Experimental Medicine Program, with administrative support provided by Sharon Xu.

Dr. Tricia Tang is an Associate Professor in the UBC Division of Endocrinology and a Michael Smith Health Professional Investigator. She has over 22 years of experience conducting diabetes translational research in high-risk and medically underserved populations. She has been awarded grants from the Juveniles Diabetes Research Foundation, Michael Smith Foundation for Health Research, Lawson Foundation, International Diabetes Federation, VGH-UBC Hospital Foundation, Vancouver Foundation, Diabetes Canada, Lawson Foundation, MSFHR, Sun- Life Financial, and NIH. Dr. Tang's current research program utilizes digital health strategies to deliver mental health support targeting individuals with type 1 diabetes (T1D) across the lifespan. Dr. Tang is also an ardent educator and mentor who has received the following awards: 2021 Fay R. Dirks Award for Teaching Excellence; 2019 FOM Distinguished Achievement Award for Excellence in Education; 2016 Outstanding Research Mentor Award and 2015 Outstanding Research Mentor Award, UBC Division of Endocrinology.

HIGHLIGHTS

- 246 students in the Experimental Medicine program in 2021
- 7 master's students successfully defended their theses and graduated
- 7 doctoral students successfully defended their theses and graduated
- 22 students published first-author papers
- 2 students made first-author presentation at a conference

A new Experimental Medicine Program Executive Committee was established with 17 representatives. In addition to establishing a new Executive Committee, three two subcommittees have been formed: the Admissions Subcommittee and the Awards Subcommittee, Student Advocacy Subcommittee. The Experimental Medicine Graduate Program aims to guide students to design and conduct experiments and solve problems in their fields. The Experimental Medicine program will keep contributing to Data Science and Health (DASH) Research Cluster led by Dr. Anita Palepu.

The Experimental Medicine Research Expo was held on May 18, 2021. The 2021 program featured faculty keynote addresses from Dr. Manish Sadarangan (UBC Department of Pediatrics), Dr. Janice Eng (UBC Department of Physical Therapy), Dr. David Granville (UBC Department of Pathology & Laboratory Medicine), and Dr. Gail Murphy (UBC Vice-President of Research and Innovation).

CURRICULUM

In the Fall 2021, we launched MEDI504A, a Special Topics course designed to develop literacy and conceptual understanding of data science to enable effective collaboration with data scientists as related to health research spanning the basic, clinical, population, and health services. In Winter 2023, we will launch MEDI504B will be a follow-up to MEDI504A and will focus on the interpretation and evaluation of Machine Learning analyses in health data.

AWARDS AND DISTINCTIONS

- From (2020-2021) 7 master's students were offered CIHR CGSM. 1 student received NSERC CGSM. 6 students received four-year doctoral fellowship. 1 student received a Vanier Scholarship
- From (2020-2021) 17 PhD students were forwarded to Tri-Agency national competition for the next year



THE UNIVERSITY OF BRITISH COLUMBIA

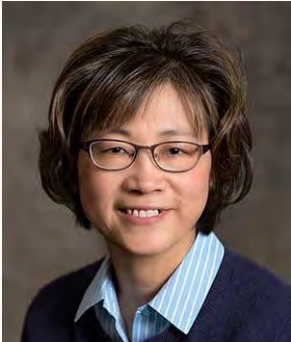
Department of Medicine

Faculty of Medicine

RESEARCH

department of medicine

RESEARCH



Dr. Teresa Tsang
Associate Head, Research

RESEARCH OFFICE LEADERSHIP

Dr. Teresa Tsang, Associate Head, Research
Dr. Anna Meredith and Dr. Delaram Behnami (June 2021), Research Manager
Yasamin Jalalkamali and Diane Kim (June 2021), Research Coordinator

OVERVIEW

The Research Office supported the research activities for our faculty and acted as the focal point for department research approvals, grant development, internal application coordination for major funding programs, and medicine rounds for our over 1000 clinical and academic faculty. 15% of our faculty members are in the academic track, yet over 60% of our members are actively publishing their research on a yearly basis, demonstrating the prolific contributions of our clinical faculty members towards the research landscape in the department. Our department members remain recognized leaders in the fields of endocrinology, social medicine, cardiology, respiratory medicine, neurology, and infectious diseases. The Department of Medicine accounted for 18% of the Faculty of Medicine's awarded research funding 9% of UBC in 2021.

HIGHLIGHTS

- **Grounds Rounds:** The Research Office was responsible for organizing Grand Rounds until 2021. This responsibility was transferred to the VGH Department of Medicine under Dr. Ken Gin's supervision
- **Work & Pandemic:** Drs. Teresa Tsang, Anna Meredith, Harminder Gakhal, and Delaram Behnami completed the research study on the impact of remote work on DOM research during the COVID-19 pandemic, which was supported by a Faculty of Medicine Strategic Investment Fund (SIF). This study showed faculty and staff can reliably conduct their regular activities remotely. Scheduling meetings was shown to be a challenge, suggesting the hybrid work model may be optimal
- **Newsletter:** Weekly newsletters were distributed on Mondays to our faculty, staff and trainees to stay connected with the community and communicate important messages. The Department of Medicine Newsletter contains information such as UBC, Faculty, and Department announcements, funding opportunities, deadlines, event invitations, etc
- **Data Science and Health (DASH) Initiative:** The DASH Research Cluster was launched under Drs. Anita Palepu and Teresa Tsang's leadership. DASH's aim is to 1) inventory existing health data assets at UBC and partner organizations, 2) improve researchers access to health data, 3) promote data analytics, and 4) enhance the community's literacy around data science and its healthcare applications

EVENTS

The Research Office organized the following virtual events in support of the Department's research and strategic initiative activities:

- Experimental Medicine Research Expo - *May 18, 2021*
- DASH Research Cluster Official Launch - *June 22, 2021*
- DASH 2021: Impact and Lessons Learned from the COVID-19 Pandemic - *November 9, 2021*
- DASH Workshop: An Introductory AI Workshop - Engineering Perspectives - *November 24, 2021*
- DASH Invited Lecture Series - *November 30, 2021 & December 7, 2021*

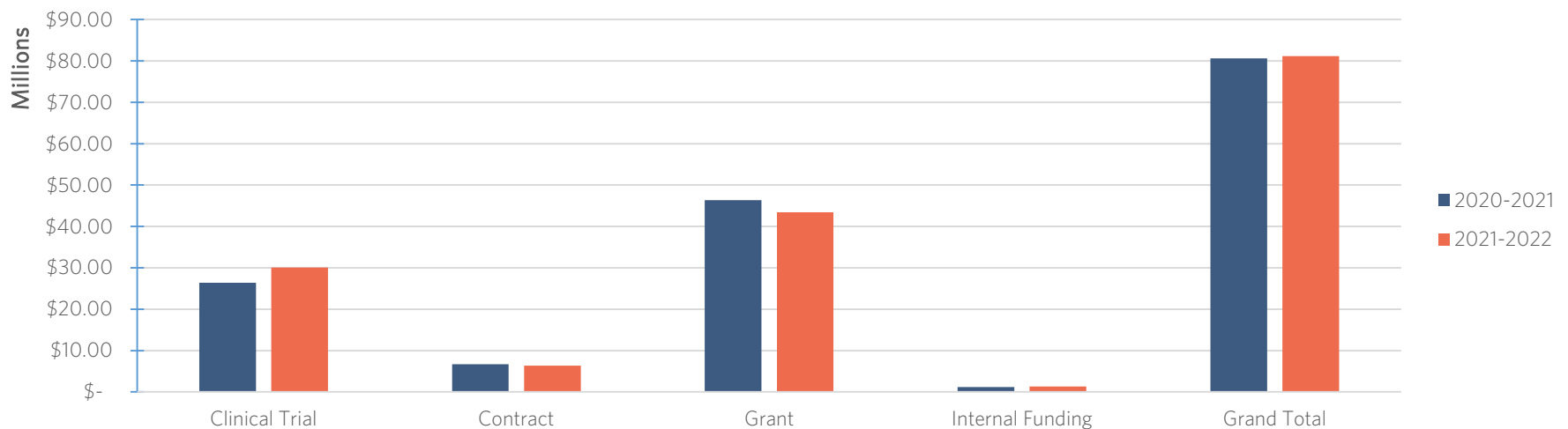
FUNDING

- The Research Office supported applications by our faculty, for a total of \$81M with highest grant amounts awarded to the Divisions of Neurology (~\$11M), Respiratory Medicine (~\$13M), and Social Medicine (~\$9M) respectively
- Over \$36M was awarded through grant applications, with another \$29M dedicated to clinical trials. Contracts constituted almost \$6M of the total funds, and \$1M came from internal funding resources

Funding and Award Summary (ALL DOM Faculty):

	2020-2021	2021-2022
Clinical Trial	\$26,393,444.62	\$30,042,801.69
Contract	\$6,702,268.42	\$6,348,362.77
Grant	\$46,332,165.05	\$43,444,408.59
Internal Funding	\$1,157,288.00	\$1,308,584.32
Salary Award	\$4,594,212.97	\$3,627,083.00
Grand Total	\$80,585,166.09	\$81,144,157.37
MSFHR Scholar Awards	2	2
MSFHR HP-I Awards	2	4
VCHRI Investigator Awards	2	2

UBC Department of Medicine Research Funding (All DOM Faculty Funding)

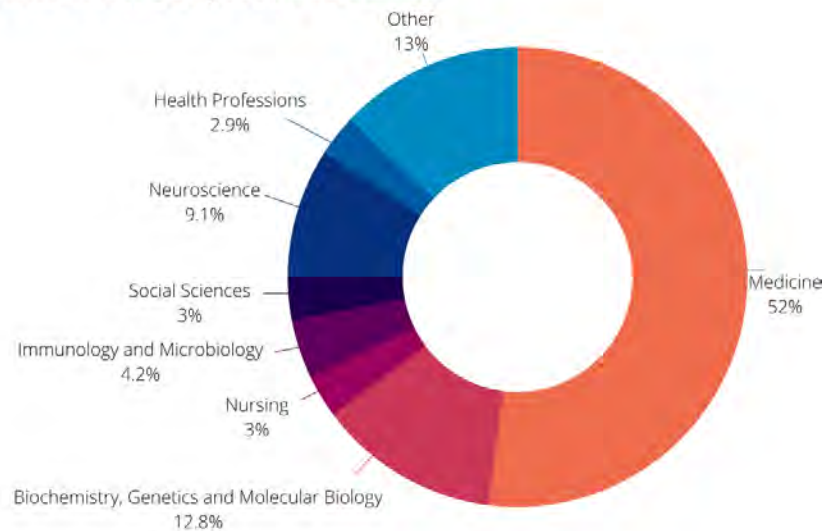


PUBLICATIONS

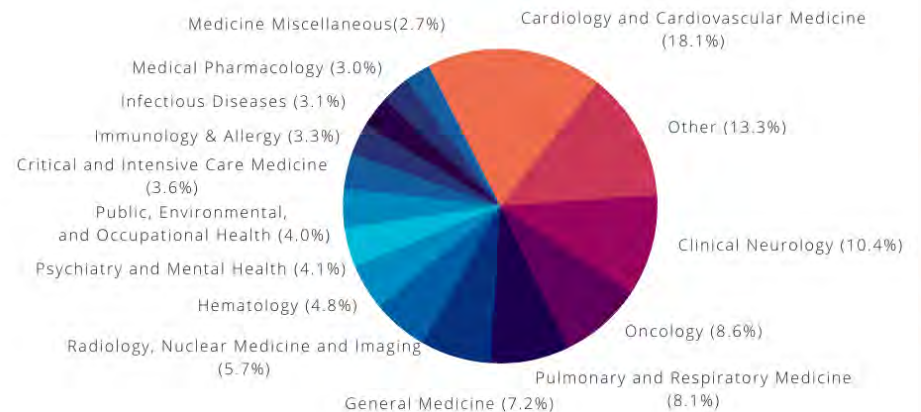
- Our faculty members consistently publish over 1400 papers each year, and the number of scholarly output in 2021 was 1726, the highest since 2018
- 9,688 new citations were achieved, with a field-weighted citation impact of 2.0, average citation per publication of 5.6, output in top citation percentiles (top 10%, field-weighted): 18.5%, and publications in top journal percentiles (top 10% by citespace percentile): 39.2%
- 65.6% of literary works were published in open-access journals

Publication Metrics	2021
Scholarly Output	1726
Citations	9688
Field-Weighted Citation Impact	2
Outputs in Top Citation Percentiles (top 10%, field-weighted)	18.50%
Publications in Top Journals Percentiles (top 10% by CiteScore)	39.20%
Citations per Publication	5.6

Publication Subject Areas 2021:



Publications in Medicine Subspecialties 2021:





THE UNIVERSITY OF BRITISH COLUMBIA

Department of Medicine

Faculty of Medicine

DIVISION REPORTS

division of ALLERGY & IMMUNOLOGY



Dr. Amin Kanani
Division Head

DIVISION OVERVIEW

Dr. Amin Kanani is a Clinical Associate Professor and Head of the UBC Division of Allergy & Immunology. He is the past president of the BC Society of Allergy and Immunology and former interim Program Director of the Adult Allergy and Clinical Immunology Fellowship Program at UBC. Dr. Kanani became Division Head in 2020 after Dr. Robert Schellenberg retired.

Dr. Kanani's areas of interest and research include hereditary angioedema, chronic spontaneous urticaria, allergic rhinitis, and cannabis allergy. Dr. Kanani has participated in developing guidelines for the management some of these conditions at the provincial, national and international level.

The UBC Division of Allergy & Immunology significantly increased in members to 19 after recruiting 12 members in the past ten years. The increase has been predominantly due to establishment of the UBC Clinical Immunology and Allergy fellowship program in 2012. The division has had a long history of providing clinical care across the province. Although the major academic focus has been at St. Paul's Hospital, many members now provide services at other academic and community hospitals in the Vancouver Lower Mainland, Vancouver Island, and Okanagan. Outreach services are also provided on Haida Gwaii by Dr. Pourshahnazari. Many members are involved in providing healthcare to rural communities via telemedicine. Division members are involved in research spanning primary immune deficiency, hereditary angioedema, vaccine allergy, drug allergy, food allergy, and respiratory diseases. The division, in collaboration with UBC CPD, is now in its 7th year of conducting the Allergy and Clinical Immunology Update conference for physicians and healthcare providers. This conference successfully pivoted to an online format for the past two years due to the COVID-19 pandemic.

KEY SUCCESSES



- Special Immunization Clinic Network research study optimizing the clinical management of patients with adverse events following COVID-19 vaccination
- Establishing Undergraduate Medical Education Director: Dr. Siobhan Perkins
- Lead physician for Clinical Immunology & Allergy at VGH: Dr. Raymond Mak

KEY CHALLENGES



- Clinical Immunology & Allergy has been predominantly outpatient, non-hospital practice. Maintaining in-hospital specialized clinics are required for complex conditions
- Engaging new division members to explore research opportunities
- Engaging with other divisions to provide care to patients with complex conditions

NUMBER OF FACULTY MEMBERS

Professors	0
Clinical Professors	0
Associate Professors	0
Clinical Associate Professors	1
Associate Member	1
Assitant Professors	0
Clinical Assistant Professors	5
Clinical Instructors	12
Emeriti	2

MAJOR ACHIEVEMENTS

- Drs. R. Robert Schellenberg and H.C. George Wong were appointed UBC Emeritus Status

EDUCATION

UBC Education Program Directors:



Kateryna Vostretsova, PGME Director



Siobhan Perkins, UGME Director

Number of learners:

- 7 residents including those rotating through Internal Medicine, Ped CI&A, Dermatology and out of province electives

Number of applications from Prospective Subspecialty Training Program residents:

- 12 Canadian applicants
- 12 interviewed

Number of subspecialty Training program residents:

- 3 Residents

RESEARCH

Number of peer-reviewed publications and abstracts: 37

UBC Research Funding/Grants: \$20K

Lectureship Activities

- Allergy & Clinical Immunology Update 2021
- Department of Medicine Grand Rounds (St. Paul's Hospital and Vancouver General Hospital)
- PLQI (Physician Led Quality Improvement project) presentation on Penicillin Delabeling Project at Richmond Hospital
- CTU lectures 4 to 6 times per year
- Province-wide annual lecture on Transition to Practice
- Health Authority presentations

- Academic half-day training program presentations
- UBC Hematopathology Residency Lecture (primary immunodeficiencies)
- UBC Medical undergraduate program (2 lectures: *Introduction to Immunology and T cells*)
- UBC PATH 415 course (2 lectures on primary immunodeficiencies)
- UBC MICB 407 (1 lecture on host immune response to viruses)
- BC Children's Hospital Department of Pediatrics Grand Rounds
- CSACI Annual meeting plenary session facilitator

CLINICAL HIGHLIGHTS

Division members are involved with the Special Immunization Clinic network in evaluating patients with adverse events following COVID-19 vaccination. The division provided key recommendations on COVID-19 vaccine exemptions to the BC Government.

Drs. Persia Pourshahnazari and Catherine Biggs have developed a clinic to transition primary immune deficiency patients from pediatric to adult care as well as manage complex adult patients.

Dr. Juan Ruiz has collaborated with otolaryngologists at St. Paul's Hospital to establish a pilot clinic for aspirin desensitization in patients with significant sinopulmonary disease.

Dr. Raymond Mak continues to work with Dermatology and Clinical Pharmacology at the Medsafe Clinic. Dr. Mak has also been involved with penicillin delabeling at BC Women's Hospital.

Division members provide inpatient consultation at St. Paul's Hospital and Vancouver General Hospital and are involved with the penicillin delabeling Program in conjunction with Antimicrobial Stewardship Program.

Drs. Persia Pourshahnazari, Amanda Jagdis and Hien Reeves have provided provincial guidance on intravenous immunoglobulin and subcutaneous immunoglobulin therapy for patients with primary and secondary immune deficiency.

Dr. Siobhan Perkins has led in the developing outpatient clinical rotation for medical student Allergy and immunology.

Our division looks forward to further expansion particularly at the new St. Paul's Hospital and to continue to provide quality care, teaching and research.

division of CARDIOLOGY



Dr. Andrew Krahn
Division Head

DIVISION OVERVIEW

Dr. Andrew Krahn continues as Head, UBC Division of Cardiology with administrative support from Marilyn Robertson. Dr. Krahn is a Professor in the UBC Division of Cardiology. His clinical expertise is in management of cardiac arrhythmias. Current research interests include investigation of genetic causes of arrhythmias, causes of loss of consciousness and implantable arrhythmia device monitoring.

Dr. Krahn holds the Paul Brunes UBC Professorship in Heart Rhythm Disorders, the Sauder Family and Heart & Stroke Foundation of BC & Yukon Chair in Cardiology, and the President of the global Heart Rhythm Society.

The UBC Division of Cardiology has a longstanding tradition of providing excellence in cardiac care across the province, with a major academic focus in the two downtown hospitals and affiliates (Mount St. Joseph and UBC Hospital). A major change in direction was undertaken in 2012 with the recruitment of a new division Head, with a focus on building academic capacity. This led to strengthening relationships between sites, placing a priority on the academic mission and the introduction of the Cardiology Academic Partnership Plan (CAPP).

Subsequent to this, the division expanded its scope by 35% with the recruitment of outstanding young academic physicians with a focus on research and education, which has changed the culture of the division over time, and substantially enhanced academic outputs. This process has led to more national and international recognition, a four-fold increase in research funding for the division, and the creation of the Centre for Cardiovascular Innovation ([CCI](#)).



KEY SUCCESSES

- Building people capacity to enhance the academic impact of the division
- Creation of the Centre for Cardiovascular Innovation
- Evolution of culture to collegial, academically focused



KEY CHALLENGES

- HR ecosystem for clinical faculty has failed to enable a centralized and managed system of support
- Academic capacities within clinical faculty are based on soft resources with threatened sustainability
- Human resources disconnect between early career support in conjunction with late career management

NUMBER OF FACULTY MEMBERS

Professors	8
Clinical Professors	14
Associate Professors	1
Clinical Associate Professors	32
Assistant Professors	1
Clinical Assistant Professors	62
Adjunct Professors	1
Clinical Instructors	21
Emeriti	3

MAJOR ACHIEVEMENTS

In 2010, the division expressed a key priority for building academic capacity, including recruitment and building human and operational research capacity amongst investigators. This began with the recruitment of a leader and a parallel identification of strong trainees who warranted financial and time support with mentoring to develop impactful research careers and was supported by the internal process of the Cardiology Academic Partnership Plan. Division structures were created for research, education, finance, and executive committees to support the overall management and integration of the division, which has led to a culture shift with a dramatically increased collective mindset and the pursuit of common objectives.

One concrete output came to fruition with the formation of the Centre for Cardiovascular Innovation, stemming from the 2016 division strategic priority of the creation of a virtual heart institute. This has accelerated rapidly to the state of a UBC-recognized centre and has an enterprise of infrastructure to support research project management, including conducting clinical trials. These are significant achievements for the division, with parallel dramatic increases in research funding and productivity, outlined in quarterly newsletters.

EDUCATION

UBC Education Program Directors:

- Mustafa Toma, Education Director
- Parvathy Nair, Faculty Lead, Accreditation
- Krish Ramanathan & Matthew Bennett, Continuing Medical Education Directors
- Jonathan Tang, UGME Director
- Graham Wong, PGME Director

Number of learners:

- 318 residents including those rotating through from Internal Medicine, Family Practice, and Surgery etc.
- 21 Clinical Fellows

Number of applications from Prospective Subspecialty Training Program residents:

- 13 Foreign Visa applicants
- 44 Canadian Applicants
- 3 interviewed

Number of subspecialty Training program residents:

- 18 Cardiology Residents

RESEARCH

Number of peer-reviewed publications and abstracts: 479
UBC Research Funding/Grants: \$4.1 million

CLINICAL HIGHLIGHTS

The Division of Cardiology at St. Paul's Hospital has continued to innovate, drive clinical advancement and integrate research and academics in the pursuit of improving outcomes for patients with cardiovascular disease in British Columbia. This year, in particular, has seen a marked increase in faculty recruitment across the spectrum of cardiac sub-specialty programs with a deliberate focus on clinician scientists with expertise in domains for which St. Paul's Hospital has provincial mandate. In tandem, we have continued to grow our general cardiology program and associated structures which serve as a strong foundation for our quaternary activities and a conduit for primary care engagement and support.

Of particular note, in collaboration with the St. Paul's Foundation, we have created strategic plans focused on adult congenital heart disease and advanced heart failure recognizing the growing population prevalence and burden of these disease states; as well as cardiogenetics, which is an important and emerging area of science that will most certainly guide our understanding of how best to diagnose, treat and prognosticate cardiovascular disease in the future.

We continue to be actively engaged in designing and building the New St. Paul's Hospital – visioning what the future of cardiovascular care in BC could and should look like with the principle of culturally appropriate, patient and family-centered care serving as our north star. Through this process, we continue to discuss opportunities for embedding value based approaches to health care delivery in our work, leveraging system redesign principles to ensure that the Heart Centre at the New St Paul's Hospital is more than bricks and mortar but also represents a fundamental shift in how we deliver the best cardiovascular care to our patients.

division of COMMUNITY INTERNAL MEDICINE



Dr. Barry Kassen
Division Head

DIVISION OVERVIEW

Dr. Barry Kassen continues as Head, UBC Division of Community Internal Medicine.

The UBC Division of Community Internal Medicine is a large and distributed group that participates in health care delivery throughout the province of British Columbia and education of the future doctors of British Columbia.

Community and Rural Internal Medicine (CRIM) has been an essential part of Internal Medicine's growth in British Columbia as it has promoted a special fee structure (amount) for internists in the province. As most members are almost entirely dependent on fee for service, this alone has increased the interest and promoted the discipline of Internal Medicine.

Dr. Jenn Grace worked tirelessly to enforce the integrity of complex fee code billing and compiled the master list of eligible general internists in the province. Since 2016, CRIM also added a team of executive officers, who have contributed significantly to its decision making and functioning: Drs. Matt Bernard, Mitch Lee, Kevin McLeod, Anita Palepu, and Jane Wu.

Dr. Michael Kenyon has a leadership role internationally as governor for the American College of Physicians (ACP). In addition, we have division members who are in provincial leadership positions, as well as Dr. Jennifer Grace, who took over as the Executive Medical Director for Geography 1 at Vancouver Island Health Authority (VIHA) as of April 1, 2019.

In 2021, the UBC Division of Community Internal Medicine published 37 peer-reviewed publications and abstracts.



KEY SUCCESSES

- Research is being done, primarily as part of clinical trial research
- The University of British Columbia training program has a four and five-year component, with the five-year program designated as a sub-specialty in General Internal Medicine
- Both program streams place significant emphasis on training in the community



KEY CHALLENGES

- Support for community-based research and shared research (community and academic sites) is something we strive to work towards

NUMBER OF FACULTY MEMBERS

Professors	0
Clinical Professors	2
Associate Professors	0
Clinical Associate Professors	12
Assitant Professors	0
Clinical Assistant Professors	92
Associate Members	0
Clinical Instructors	136
Emeriti	1

division of CRITICAL CARE MEDICINE



Dr. Cheryl Holmes
Division Head

DIVISION OVERVIEW

Dr. Cheryl Holmes, Clinical Professor and Head of the UBC Division of Critical Care Medicine also serves as Associate Dean for the MD Undergraduate Program at UBC. She trained in Internal Medicine and Critical Care at UBC and practiced critical care medicine at Kelowna General Hospital (KGH) until 2018, where she was involved in clinical education of medical students, residents, and fellows in the ICU.

As Head of the UBC Division of Critical Care Medicine, she is responsible for academic leadership of clinical care, education and research in critical care. Dr. Holmes's research interests are in the student voice and the hidden curriculum; the patient voice in the learning environment, advancing equity and diversity in medical education and leadership; and Indigenization of the medical curriculum.

The UBC Division of Critical Care Medicine is multi-disciplinary in nature, with 53 faculty members and 20 Associate and Joint appointment members. Our members are qualified critical care specialists with backgrounds in medicine, surgery, anesthesiology, and emergency medicine. They are leaders in patient care throughout the province of British Columbia. Our members serve on the front lines, caring for patients with the highest degree of illness at the incredible sacrifice to themselves and their families.

Our members continue to contribute to education, research, and clinical care, despite the challenges of the pandemic. Clinical, research, educational, and administrative collaborations among hospital sites have increased over the past few years and are expected to continue. We will continue to examine and adopt innovative clinical approaches and technologies to improve the care of critically ill patients (e.g., ECMO, echocardiography, ultrasound, computer support/monitoring, checklists, novel cardiac/pulmonary support methods, and neurocritical care). Our division members hold key leadership positions across our province and nationally.



KEY SUCCESSES

- Strong leadership during the COVID-19 pandemic
- Renovation of division mission, goals, and [website](#)
- Outstanding teaching and mentoring of trainees during the worst of the COVID-19 pandemic



KEY CHALLENGES

- Sustainable critical care delivery requiring strategic provincial approach
- Supporting early career investigators with an inclusive and collaborative research hub
- Developing culturally safe care for our population by provision of critical care education across the spectrum

NUMBER OF FACULTY MEMBERS

Professors	2
Clinical Professors	5
Associate Professors	2
Clinical Associate Professors	8
Assitant Professors	0
Clinical Assistant Professors	18
Associate Members	21
Clinical Instructors	16
Emeriti	1

MAJOR ACHIEVEMENTS

Dr. Peter Dodek was on a panel discussion with the Canadian Critical Care Society: "Physician wellness and coping during the pandemic and beyond."

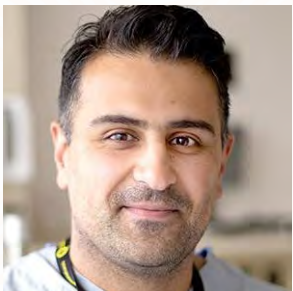
Dr. Steve Reynolds was recognized as a [Champion of Philanthropy 2021](#) by the Royal Columbian Hospital Foundation. He was site medical director during some of the Royal Columbian Hospital Foundation's most successful fundraising years, providing strong leadership to support the organization's charitable goals. He has been a frequent collaborator in donor and news media initiatives and helped to increase the hospital's profile.

Dr. Myp Sekhon is [leading the forefront of neurocritical care at VGH](#). A team of researchers led by Dr. Sekhon has developed an innovative research program to identify novel targets for brain injury research using the donor-funded Brain Bolt. Combining the real-time data from the Brain Bolt and using a machine known as a Simoa HD-X analyzer, blood samples that normally take weeks to analyze are processed with unparalleled sensitivity to unravel the unknowns of the disease mechanisms underpinning acute brain injury. This bench-to-bedside approach also characterizes the immune system changes to provide optimal care for COVID-19 patients.

For the seventh year in a row, Dr. James Russell has been ranked globally #1 in septic shock, #2 in norepinephrine, #3 in shock and #4 in sepsis.

EDUCATION

UBC Education Program Directors:



Mypinder Sekhon, PGME Director

Number of applications from Prospective Subspecialty Training Program residents:

- 35 Canadian Applicants

Number of subspecialty Training program residents:

- 9 Critical Care Medicine Residents

RESEARCH

Number of peer-reviewed publications and abstracts: 78

UBC Research Funding/Grants: \$968K

CLINICAL HIGHLIGHTS

Royal Columbian Hospital cardiac surgeons Drs. Derek Gunning and Hossein Shayan provide lifesaving support to the sickest patients who require heart and lung bypass. The two lead a regional network of 13 perfusionists mobilized to provide lifesaving ECMO (Extracorporeal Membrane Oxygenation) care, with the recent addition of three ECMO physicians to serve the growing population in Fraser Health.



Dr. Don Griesdale served as the Associate Vice-President of Medicine, Quality and Safety during the COVID-19 pandemic. He was a member of the Regional Emergency Operations Center (REOC) throughout this time. He was responsible for the many aspects of our COVID-19 acute care response. In particular, he led the development of the Regional COVID-19 data dashboard, which followed all of our acute care and critical care admissions throughout the pandemic.

Dr. Hussein Kanji led monthly BC Critical Care Network meetings that featured updates from the Deputy Provincial Health Officer and were well attended by Intensivists from around the province.

Drs. Adam Thomas and Anish Mitra provided timely and comprehensive COVID literature updates. Provincial guidelines for COVID-19 therapeutics were updated regularly.

division of ENDOCRINOLOGY



Dr. Marshall Dahl
Division Head

DIVISION OVERVIEW

Dr. Marshall Dahl is a Clinical Professor and the Head of the UBC Division of Endocrinology since 2018. His current activities include being President of the Society of Endocrinology and Metabolism of British Columbia and a Consultant at Vancouver General Hospital and St. Paul's Hospital. His collaborative leadership has strengthened the division and created cohesion and collegiality at both main hospital sites (St. Paul's Hospital and VGH).

His other interests include diabetes care system transformation based on linked administrative databases and a Telehealth evaluation of a province-wide implementation in endocrinology. Dr. Dahl is also an expert on transgender care and the author of evidence-based guidelines for endocrine care for this population.

Under the leadership of Dr. Dahl, the UBC Division of Endocrinology expanded in 2021. The division focused on providing excellent patient care and exceptional training opportunities in the program to enhance recruitment possibilities. This supports the division's mandate to strengthen the division and continue to recruit in areas of current endocrinology trends (transition of type 1 diabetes care from adolescent to adult patients, gestational diabetes, thyroid cancer management, and women's endocrinology health initiative).

Division members are distributed throughout British Columbia (Vancouver, North Vancouver, Richmond, Burnaby, New Westminster, Surrey, Victoria, and Kelowna). There are approximately 70 adult endocrinologists in British Columbia. The UBC Division of Endocrinology comprises 6 UBC Full-time Academic faculty (2 PhDs, 3 MDs, 1 MD/PhD) and approximately 50 UBC Clinical Faculty (any endocrinologist participating in UBC teaching is invited to become Clinical Faculty).



KEY SUCCESSES

- Ongoing, diverse, and innovative research projects
- PGME residents rate their learning highly, particularly with respect to ambulatory care
- Partnering with the University of Rwanda to train an endocrinologist returning to Kigale



KEY CHALLENGES

- Ability to replace/recruit new Academic Faculty to continue and enhance research
- Wait times for endocrinology consultation can be 3-7 months
- Structural deficit in funding for administration

NUMBER OF FACULTY MEMBERS

Professors	3
Clinical Professors	4
Associate Professors	0
Clinical Associate Professors	3
Assistant Professors	0
Clinical Assistant Professors	10
Associate Members	0
Clinical Instructors	0
Emeriti	2

MAJOR ACHIEVEMENTS

Dr. Gordon Francis continued his research project “Redefining Atherosclerosis: Characterizing and Targeting Smooth Muscle Cell Foam Cells for the Treatment and Prevention of Coronary Heart Disease and Stroke.” This vital work discovered that smooth muscle cells (SMCs) comprise the majority of foam cells in atherosclerosis. Dr. Francis and his research group also demonstrated that lysosomal acid lipase (LAL) expression is markedly reduced in arterial smooth muscle cells compared to arterial macrophages and is a likely reason for SMC foam cell formation. This represents a novel target to reduce progression and induce regression of atherosclerosis. Novel gene delivery systems for LIPA, the gene encoding LAL, are being explored in collaboration with Dr. Pieter Cullis’ and the Nanomedicines Innovation Network at UBC.

Drs. Tricia Tang and Joseph Leung received the 2021 BCCHR Digital Health Accelerator Research Award for the study REACHOUT-NexGEN: a virtual care platform for peer-led mental health support in adolescents with type 1 diabetes. This platform is in conjunction with the highly successful REACHOUT initiative, which provides peer support for adults with type 1 diabetes. The division is proud of both digital platforms’ innovative concepts, design, and success.

Dr. Sandra Sirrs’ consultation work with the Ministry of Health and Dr. Ehud Ur’s work with Diabetes Canada resulted in advanced COVID-19 vaccination status for people with diabetes receiving insulin.

EDUCATION

UBC Education Program Directors:

- Jason Kong, PGME Director

Number of learners:

- 30 residents
- 4 Fellows

Number of applications from Prospective Subspecialty Training Program residents:

- 8 Applicants

Number of subspecialty Training program residents:

- 6 Endocrinology Residents

RESEARCH

Number of peer-reviewed publications and abstracts: 33

Number of research presentations: 11

UBC Research Funding/Grants: \$1.6 million

CLINICAL HIGHLIGHTS

The ViaCyte Study (Dr. David Thompson, Principal Investigator) is currently in the next recruitment phase of the study, with a non-immuno-suppressed cohort using an innovative genetically-engineered set of cells. Several publications will show good response in terms of insulin production in subjects, with the best responses here in Vancouver. The division is proud of Dr. Thompson for this innovation which could have broad-reaching research implications.

With the support of a JDRF grant, Dr. Tricia Tang developed an innovative digital platform called REACHOUT that connects peer-led mental health support for adults living with Type 1 Diabetes (T1D) in the BC interior. The platform has the potential to fill a significant void for many people with T1D who experience diabetes distress, particularly for those in rural and remote areas where supports are limited. With newly awarded funding through a BC Children’s Digital Health Research Award, Dr. Tang will adapt the platform for youth with T1D and build REACHOUT NexGEN. The ultimate goal is to translate the REACHOUT platform to deliver peer-led mental health support to kids and adolescents with T1D and their parents to reduce distress and improve quality of life and health outcomes.



division of GASTROENTEROLOGY



Dr. Robert Enns
Division Head

DIVISION OVERVIEW

Dr. Robert Enns is a Clinical Professor in the Division of Gastroenterology at the University of British Columbia. His clinical expertise is in advanced endoscopy and quality assessment as it pertains to endoscopy. Current research interests include capsule endoscopy and quality of endoscopy; particularly colonoscopy.

Dr. Enns' areas of research interest typically have included technology assessment and quality improvement. To this end, his present work has been in advanced endoscopic techniques relating to ERCP/EMR and capsule endoscopy. Regarding quality improvement, provincial involvement in colonoscopy skills enhancement and training has occupied most of his time. He has been involved nationally with numerous endoscopic studies that have typically developed through the Canadian Association of Gastroenterology. Although Dr. Enns' primary interests have been endoscopic, as one who has interests in any advances (medical or endoscopic or training), he has published in numerous arenas.

The UBC Division of Gastroenterology consists of the faculty of the two main teaching hospitals, Vancouver Acute (Vancouver General Hospital and UBC Hospital) and St. Paul's Hospital (Providence Healthcare-St Paul's Hospital and Mount St Joseph's Hospital). The division also has faculty members at the distributed sites, including Richmond General Hospital, Royal Columbian Hospital, Lions Gate Hospital, and Surrey Memorial Hospital in the Lower Mainland; the Victoria and Vancouver Island Hospitals, Royal Inland Hospital (Kamloops), Kelowna General Hospital and the University Hospital of the North in Prince George.

The faculty consists of both GFT and Clinical Faculty Association members. There are also associate members located at the distributed sites and associate members who share areas of academic interest in common with the Division of Gastroenterology and are members of other divisions.



KEY SUCCESSES

- Specialized therapeutic and diagnostic endoscopy (ERCP) offered as clinical service
- BC Hepatitis Program (DHCC), Pacific Gastroenterology (SPH), and IBD Center (VCH)
- Specialized endoscopic ultrasound and capsule endoscopy



KEY CHALLENGES

- Duplications of services among hospital sites and resulting difficulty in recruiting staff
- Lack of financial support to recruit academic staff
- Training culture affecting ability to manage call schedule

NUMBER OF FACULTY MEMBERS

Professors	3
Clinical Professors	6
Associate Professors	1
Clinical Associate Professors	12
Assitant Professors	1
Clinical Assistant Professors	37
Associate Members	0
Clinical Instructors	18
Emeriti	2

MAJOR ACHIEVEMENTS

The IBD Centre of BC is now operational at and independent site in Vancouver. The IBD Centre provides a network of IBD specialists in Victoria, Kelowna, Burnaby, Richmond and Vancouver.

Development of strategic plans for the UBC Division of Gastroenterology - short and long term.

Recruitment of one academic physician (Dr. Neal Shahidi) who switched from the clinical pathway to the academic pathway in 2021.

UBC Division of Gastroenterology Fellows' Awards:

- 2021 Lectureship Award - Dr. Jennifer Telford
- 2021 Dr. Hugh Chaun Mentorship Award - Dr. Fergal Donnellan
- 2021 Dr. Donald M. Carr Memorial Teaching Award - Dr. Saumya Jayakumar

EDUCATION

UBC Education Program Directors:



Eric Lam, PGME Director

Number of Learners:

- 9 Gastroenterology Fellows

Number of applications from Prospective Subspecialty Training Program residents:

- 42 Applicants

Number of subspecialty Training program residents:

- 6 Gastroenterology Residents

RESEARCH

Number of peer-reviewed publications: 80
Number of published abstracts: 27
UBC Research Funding/Grants: \$1.4 million

CLINICAL HIGHLIGHTS

Specialized therapeutic endoscopy consisting of ERCP, both diagnostic and therapeutic, is offered as a clinical service at the Vancouver General Hospital, St. Paul's Hospital, and Royal Columbian Hospital sites in the lower mainland and the Victoria Hospital Corporation institutions.

A third space/ESD program is being developed at SPH, where expanding direction in this area is focused. In contrast, at VGH, Hepatobiliary has been the focus, as demonstrated by the Pancreas Center at VGH, which now has a strong presence with an impact on the clinical management of chronic pancreatitis. Development of third space endoscopy is made possible through recruitment of academic staff Dr. Neal Shahidi who works with Dr. Eric Lam performing advanced endoscopic resection procedures.

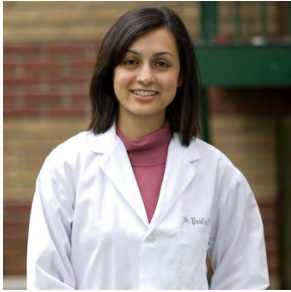
The specialized modalities of endoscopic ultrasound and capsule endoscopy are available at St. Paul's Hospital and Vancouver General Hospital. Endoscopic ultrasound is also available at the BC Cancer Agency Vancouver Clinic, performed by UBC faculty with cross-appointments. The division is also involved in clinical activity with British Columbia Transplant and the British Columbia Cancer Agency (PHSA).

Long-term nutritional support and care, the province's Home Enteral and Parenteral Program is based at St. Paul's Hospital under the leadership of Dr. J. Scott Whittaker and Dr George Ou who are the Medical Directors of the Program.

Provincial /Regional leadership in the Colon Cancer Screen Program is provided by Dr. Jennifer Telford and Dr. Rob Enns. Provincial quality assessment of endoscopic skills (DOPS) is lead at each hospital under the direction of Dr. Rob Enns, Dr. Michael Byrne, Dr. Fergal Donnellan and Dr. Carla Nash.

Establishment of training centers at other sites in BC including Surrey, Lion's Gate, Royal Columbian, Kelowna for GI Fellows at all levels.

division of GENERAL INTERNAL MEDICINE



Dr. Nadia Khan
Division Head

DIVISION OVERVIEW

Dr. Nadia Khan is Professor and Head of the UBC Division of General Internal Medicine, a Centre for Health Evaluation and Outcome Science Scientists, and an Associate Member of the UBC School of Population and Public Health.

Dr. Khan's research interests include sex/gender/ethnic impact of cardiovascular disease, health services, hypertension, diabetes, and stroke. She has methodological expertise in big data, randomized clinical trials, and patient-oriented research.

Dr. Khan is a Clinical Specialist and co-director of the Hypertension Clinic at St. Paul's Hospital and is an American Society of Hypertension Clinical Specialist in Hypertension. She is the current President of Hypertension Canada and is a council member of the International Society of Hypertension.

General Internal Medicine (GIM) is a highly pleasing subspecialty for medical students, residents, and physicians who are interested in complexity and comfortable with uncertainty. We diagnose, treat, and care for adults with multiple medical conditions in acute and ambulatory settings.

The UBC Division of General Internal Medicine (GIM) has excellent breadth and depth in hypertension, thrombosis, perioperative medicine, obstetric medicine, eating disorders, and complex and chronic diseases. Division members actively engage in undergraduate and postgraduate medical education via the Clinical Teaching Units and the clinics. We have faculty with expertise in medical education, point-of-care ultrasound, quality and patient safety, and innovative research ranging from basic science to social determinants of health. Many of our faculty also do rural and remote outreach in northern British Columbia. GIM is the backbone of acute hospital care and multi-system chronic disease management in Vancouver. We work collaboratively with our colleagues in primary care, medical and surgical specialists, nursing, and the allied health team to deliver the best care possible.



KEY SUCCESSES

- GIM physicians in BC have currently seen over 1 million patients in hospital
- GIM led discussion/initiatives for Wellness focus groups to build better sense of divisional community and culture
- Salary support for clinicians who also focus on research



KEY CHALLENGES

- CTU redesign due to increasing patient volumes and educational emphasis of CTU
- Expanding ambulatory and outreach activities
- Implementing Point of Care Ultrasound Curriculum at VGH and SPH

NUMBER OF FACULTY MEMBERS

Professors	4
Clinical Professors	5
Associate Professors	1
Clinical Associate Professors	29
Assitant Professors	0
Clinical Assistant Professors	0
Affiliate Members	3
Clinical Instructors	11
Emeriti	0

MAJOR ACHIEVEMENTS

The UBC Division of General Internal Medicine continued to lead efforts to provide safe care for hospitalized patients with COVID-19. Working with the Emergency department and the Division of Critical Care Medicine, the division provided a continuum of care from the point of entry to hospital admission with our emergency triage team to inpatient COVID-19 care and the post-COVID-19 recovery clinics for patients who survived COVID-19 infections.

We also provided the cornerstone of medical care at VGH and SPH - the division leads the Clinical Teaching Unit care teams that provide care to patients in over 200 patient beds, translating to approximately 85,000 patient bed days per year. The division also provided care to over 9000 patient visits in the ambulatory setting in 2021.

Dr. Cary Cuncic accepted a new leadership role as the Regional Assistant Dean for Vancouver/Fraser Health. Dr. Tristen Gilchrist accepted a new leadership role as the Association Program Director of Curriculum of the Postgraduate Education Program for the Department of Medicine.

EDUCATION

UBC Education Program Directors:

James Tessaro, PGME Director

Number of subspecialty Training program residents:

- 26 subspecialty program residents
- 12 PGY-5 Fellows
- 8 PGY-4 Fellows

The UBC GIM Subspecialty Training Program (R4-5) provides outstanding training for residents preparing for a career as a GIM consultant. We are working towards implementing Competency-based Medical Education as per the Royal College of Physicians and Surgeons. We are very proud of the program and aim to expand the number of GIM subspecialists we can train to meet the community's needs throughout our province and replenish our academic faculty.

RESEARCH

Number of peer-reviewed publications and abstracts: 82
UBC Research Funding/Grants: \$1.4 million

CLINICAL HIGHLIGHTS

The UBC Division of General Internal Medicine is a thriving division that is distributed across three urban teaching hospital sites: Vancouver General Hospital (VGH), St. Paul's Hospital (SPH), and BC Women's Hospital (BCWH).

The division led efforts to provide care for hospitalized patients with COVID-19 from our Emergency Triage to inpatient COVID-19 wards and then to COVID-19 recovery clinics for outpatients post-COVID-19 throughout the Province of BC. The division also provided consultative care for persons isolated at hotels during the pandemic. General internists ran COVID-19 wards throughout the province, with other Department of Medicine groups providing valuable assistance.

The UBC Division of General Internal Medicine provides care to patients for approximately 200 hospital beds at SPH and VGH hospital at the Clinical Teaching Units. It also runs an ER Triage team 7 days per week and Medicine Consultation to non-CTU hospital wards at both hospitals. To improve flow, we also have a non-teaching Acute Internal Medicine Service to decant sub-acute patients from the CTU. The division has been actively involved in the Medical Operational Excellence Transformation to improve our processes of care and prototype best practices for handover, discharge planning, team care, and admission processes. The CTU is the foundation of the hospital's teaching program that supports and enables other subspecialty and surgical programs to thrive.

In addition, faculty provide Rapid Access Specialist Clinic access to offload the Emergency Department, provide access for family physicians, and early outpatient follow-up for discharged inpatients. Most of the division's clinical care is undertaken by learners ranging from medical students to subspecialty fellows.

division of GERIATRIC MEDICINE



Dr. Janet Kow
Division Head

DIVISION OVERVIEW

Dr. Janet Kow is a Clinical Assistant Professor and Head of the UBC Division of Geriatric Medicine. She received her MD at the University of Calgary, and a Masters in Adult Education at UBC. She has been Program Director for the Geriatric Medicine Residency Program and was the Clerkship director for the MD Medicine undergraduate program.

Over the past 5 years she has focused on Health systems Administration and is the Senior Medical Director, Quality and Safety, and Interim VP Pandemic Response at Providence Health Care while continuing her clinical work at PHC, and in Kelowna.

Administrative support is provided by Becky Nagra.

The UBC Division of Geriatric Medicine has grown significantly since its inception in the 1980s under the leadership of Dr. B. Lynn Beattie. The division currently provides a wide range of clinical services and teaching across all sites in the Province. These include active multi-disciplinary and physician-only inpatient geriatric consultation services, inpatient acute care for elders, geriatric ambulatory care and multiple outpatient clinics.

Several Geriatricians attend on Clinical Teaching Units, bringing their knowledge of the care of the elderly to trainees during their Internal Medicine rotations and enhancing recruitment opportunities for future Geriatric Medicine fellows.

Geriatricians also provide outreach to communities in the interior and northern regions of the province and provision of Virtual Care.



KEY SUCCESSES

- Strong and steady growth in Geriatric services across the Province, in multiple areas of Seniors Care
- Division members hold key senior positions in Education and Health Care, especially in planning for Seniors services
- Active and highly rated medical education activities



KEY CHALLENGES

- Recruitment of members to expand research activity

NUMBER OF FACULTY MEMBERS

Professors	2
Clinical Professors	2
Associate Professors	0
Clinical Associate Professors	5
Assitant Professors	0
Clinical Assistant Professors	18
Associate Members	0
Clinical Instructors	35
Emeriti	1

MAJOR ACHIEVEMENTS

In 2021, division members continued academic and clinical services despite the significant impact of the COVID-19 pandemic. Many members were frontline workers in COVID-19 wards and other parts of the system where older adults were affected.

Dr. Ken Madden continued his research, expanded his grants, and published on COVID-19 related topics, including anosmia and healthcare impacts. He was also elected President of the Canadian Geriatrics Society, continuing a strong presence in National leadership from BC Geriatricians.

Dr. Roger Wong continued to be a strong change leader in Education nationally and was appointed the Executive Associate Dean, Education for the UBC Faculty of Medicine.

Research activities led by Drs. Ken Madden and Graydon Meneilly focus on mobility and physiological changes of ageing with disease, especially cardiovascular and diabetes.

Articles by division members were published in high-impact journals, including JAMA, Diabetes Care, and European Geriatric Medicine. The division continues to collaborate with other divisions to provide high-quality, interdisciplinary care for older adults ensuring research and health care redesign in BC expands in this area.

EDUCATION

UBC Education Program Directors:
Wendy Cook, PGME Director

Number of applications from Prospective Subspecialty Training Program residents:

- 15 Applicants

Number of subspecialty Training program residents:

- 9 Geriatric Medicine Residents

RESEARCH

Number of peer-reviewed publications: 20

Number of published abstracts: 24

Number of Research Presentations: 5

Endowed Chairs: Dr. Ken Madden, Allan M McGavin Chair in Geriatric Medicine

UBC Research Funding/Grants: \$885K

CLINICAL HIGHLIGHTS

- Successful Geriatric Inpatient care continued in Vancouver Coastal and Fraser Health at multiple sites
- Division members were active in COVID-19 care
- Island and Interior Health added additional academic staff, notably in Nanaimo and Kelowna
- New Geriatricians have particular expertise in neurological disorders in the Elderly
- Outreach to the North continues to multiple communities
- New associate member Dr. Caroline Mariano is co-appointed in Oncology and Geriatric Medicine, working with Dr. Tracy Zhang a new model of shared care for Elderly Cancer patients is being piloted and evaluated in Vancouver
- Perioperative care for Seniors pathways and services further developed in the Lower Mainland

division of HEMATOLOGY



Dr. Stephen Nantel
Division Head

DIVISION OVERVIEW

Dr. Stephen Nantel is a Clinical Professor and Head of the UBC Division of Hematology. He received his MD from the University of Calgary. He has been Head of the UBC and Vancouver General Hospital Divisions of Hematology since 2013. He has contributed to numerous Divisional, Hospital, and University committees over his 30-year career.

Dr. Nantel joined the Leukemia/Bone Marrow Transplant Program in 1991 and his research interests have included the development of multiagent chemotherapy regimens for acute myelogenous leukemia (AML) and acute lymphoblastic leukemia (ALL). Dr. Nantel also has a general hematology practice and, as a former Training Program Director and Chief Examiner for the Royal College of Physicians and Surgeons of Canada, has a special interest in Hematology education and certification.

The UBC Division of Hematology has grown in size and complexity over the past five decades, reflecting the significant advancements in the discipline as a result of an improved understanding of hematologic diseases at a basic sciences level, the availability of more effective therapies, and advances in supportive care. The past 5-10 years have seen growth within the division beyond the major teaching hospitals in Vancouver (VGH and SPH). The UBC Division of Hematology now includes hematologists from across the Province. The strong UBC Hematology Training Program generated a large part of the growth. In part due to the COVID-19 pandemic, enhanced videoconferencing capabilities facilitated engagement from other centres.

Currently, the Division has 62 members and associate members located across the Province. The academic activities of the division continue to reside primarily at the two major teaching hospitals in Vancouver. The recent recruitment of two Clinician Scientists within the Leukemia/BMT Program is a major step in advancing the academic profile of the division.



KEY SUCCESSES

- Excellence in Clinical Care in Malignant and Non-Malignant Hematologic Diseases
- Strong training programs in Adult Hematology, Adult L/BMT, and Thrombosis Fellowship Training
- Expansion of Membership across the Province



KEY CHALLENGES

- Identification of funding sources to support research initiatives for clinical faculty members who comprise the vast majority of division members
- Strategies to enhance the capability of Clinical Care delivery for patients with hematologic malignancies outside the major teaching hospitals

NUMBER OF FACULTY MEMBERS

Professors	3
Clinical Professors	12
Associate Professors	1
Clinical Associate Professors	13
Assitant Professors	2
Clinical Assistant Professors	18
Adjunct Professors	1
Affiliate Professor	1
Associate Members	5
Clinical Instructors	7
Emeriti	3

MAJOR ACHIEVEMENTS

CAR-T cell therapy has been identified as an important therapeutic strategy, especially in patients with B-cell Malignancies expressing the CD19 antigen. Numerous commercial products have been developed and demonstrate encouraging results in patients with aggressive non-Hodgkin's lymphomas and Acute Lymphoblastic Leukemia (ALL). This therapy does pose unique clinical challenges that limit its applicability. In addition, this therapy has a substantial financial downside. Investigators in Vancouver (Drs. Kevin Hay and Rob Holt), Ottawa (Drs. Natasha Kekre and Harry Atkins), and Victoria (Dr. Brad Nelson) have developed a Canadian-made CAR T-cell now being studied in a Phase 1 Clinical Trial in Vancouver and Ottawa. Hopefully, this product will retain the efficacy seen in industry-sponsored trials but will be much more affordable.

Access to stem cell transplant therapy requires a treatable disease in clinical remission, being clinically well enough to receive the therapy, and having a suitable stem cell donor. Traditionally, this has been accomplished using cells from matched related (sibling) donors or matched unrelated donors. Due to the complexities of tissue typing and genetic linkages of HLA antigens, finding suitable donors for patients of certain ethnic groups or those with mixed ancestry has historically limited access to transplantation. Adult Cord blood transplants are limited by availability, cell dose, and cost. Recent studies have demonstrated that using haplo-identical transplants is feasible and produces a similar likelihood of good outcomes as receiving stem cell transplants from more "traditional" donor sources. The L/BMT Program has embarked upon the use of Haplo donors and is now able to offer transplants to the vast majority of patients who meet the established clinical requirements.

EDUCATION

UBC Education Program Directors:

Luke Chen, PGME Director

Yasser Abou Mourad, Leukemia/BMT Fellowship Director

Number of learners:

- 26 rotating residents

Number of applications from Prospective Subspecialty Training Program residents:

- Canadian applicants - 23 Hematology and 12 Leukemia/BMT
- Foreign Visa applicants - 3 Hematology and 1 Leukemia/BMT

Number of subspecialty Training program residents:

- 9 Hematology Residents
- 11 Leukemia/BMT Fellows
- 1 Thrombosis Fellow

RESEARCH

Number of peer-reviewed publications: 73

UBC Research Funding/Grants: \$4.1 million

CLINICAL HIGHLIGHTS

The UBC Division of Hematology has well-developed expertise in all areas of Hematology including: Thrombosis, Hemostasis, Bleeding Disorders, Hemoglobinopathies, Apheresis, and Leukemia/BMT.

The division continues to provide outstanding clinical care and teaching, which has historically been a major strength of the division. Despite the significant growth of the Medical School and Residency Programs, the division still lives up to this high standard (even during the COVID-19 pandemic). We can now provide clinical rotations for our Hematology trainees at VGH and SPH as well as Surrey, Victoria, and Kelowna.

Hematology subspecialty experiences are available for those trainees wishing to pursue additional training beyond the standard two-year Royal College Hematology Residency. Fellowships in L/BMT and Thrombosis are available.



division of INFECTIOUS DISEASES



Dr. Ted Steiner
Division Head

DIVISION OVERVIEW

Dr. Ted Steiner is a researcher at the Immunity and Infection Research Centre, Professor and Head of the Division of Infectious Diseases, and an Associate Member of the Department of Microbiology and Immunology at the University of British Columbia. His research interests focus on the inflammatory response to the flagellin from enteroaggregative E. coli (EAEC), an emerging diarrheal pathogen. His clinical expertise is in general consultative infectious diseases, with a particular interest in infectious diarrhea and tropical medicine.

During the past decade, the division of infectious diseases has continued to develop an increasing number of linkages and relationships necessary for clinical care, research, and education. These have included: BC Transplant, BCCDC, Medical Microbiology, BC Centre for Excellence in HIV/AIDS, School of Population and Public Health (UBC), Centre for Tuberculosis Research (UBC), BC Children's Hospital Research Institute (BCCHRI); and several geographic medicine sites (Aga Khan University Hospital, Nairobi, Kenya; Gulu University, Gulu Regional Hospital, Uganda; Rwanda Biomedical Research Centre, and Brasov Children's Hospital, Romania).

The UBC Division of Infectious Diseases has been able to better engage infectious diseases groups at various hospitals, both within and outside Vancouver, in the weekly clinical case conference and journal club rounds through teleconferencing. The ID residency training program, which has 2-3 new positions funded annually, continues to attract over 20 applicants annually from across the country.

The following faculty members provide leadership in their respective disciplines: Dr. Julio Montaner (HIV/AIDS), Dr. Richard Lester (Global Health), Dr. Alissa Wright (Transplant Infectious Diseases), Dr. Victor Leung, Dr. Jennifer Grant, and Dr. Kevin Afra (Antibiotic Stewardship). Dr. Ted Steiner is the Medical Head of the VCHRI Clinical Research Unit and co-lead of the COVID-19 Clinical Research Coordination Initiative Working Group.



KEY SUCCESSES

- Collaborative clinical care across the province
- Successful training of medical students, core and subspecialty residents for careers in infectious diseases
- Leadership in COVID-19 research and clinical therapeutics guidelines



KEY CHALLENGES

- Academic funded basic and translational research
- Increased care for transplant recipients and other immunocompromised patients across BC
- Quality improvement and standardized treatment approaches for common infections

NUMBER OF FACULTY MEMBERS

Professors	0
Clinical Professors	3
Associate Professors	7
Clinical Associate Professors	0
Assistant Professors	0
Clinical Assistant Professors	26
Associate Members	0
Clinical Instructors	12
Emeriti	1

MAJOR ACHIEVEMENTS

Dr. Neil Reiner retired from his academic position after 37 years as a division member but remained an Emeritus Professor, continuing his CIHR/NSERC-funded basic research on Leishmania.

Drs. Av-Gay, Bach, and Steiner remain active and successful in obtaining grant funding for their basic research labs, studying topics including pathogenesis and vaccine development for TB and other mycobacterial diseases; development of nanoparticle therapeutics and disinfectants; new treatments and the role of sex and gender in COVID-19 diseases pathogenesis; immune responses to COVID-19 vaccination in vulnerable populations; immunology of allergic reactions to antibiotics and foods; intestinal immunology in inflammatory bowel disease and *C. difficile* infection.

Drs. Lima, Brumme, Joy, Moore, and Montaner, part of the CfE, have continued their highly funded research in HIV care and other chronic infections, focusing on broadening the highly successful “treatment as prevention” paradigm they developed for HIV.

Dr. Sara Belga received a VCHRI Team Grant for a new study on CMV immunity in transplant recipients in collaboration with Dr. Steiner. They will be examining the ability of a new immune assay to measure cellular immune responses to CMV and predict the risk of disease. Dr. Lester continues his essential work on using cellular technologies to improve patient adherence, contact tracing, and other important outcomes in HIV, COVID-19, TB, and other infections.

EDUCATION

UBC Education Program Directors:

- Allison Mah, PGME Director

Number of Learners:

- 65 trainees from various UBC medical programs

Number of applications from Prospective Subspecialty Training Program residents:

- 20-25 Applicants

Number of subspecialty Training program residents:

- 3 Infectious Diseases Residents

RESEARCH

Number of peer-reviewed publications: 154
Number of published abstracts: 57
Number of research presentations: 34
Number of lectures: 52
UBC Research Funding/Grants: \$3.9 million

CLINICAL HIGHLIGHTS

Drs. Jennifer Grant, Alissa Wright, Allison Mah, Natasha Press, David Harris, and Ted Steiner have been members of the COVID-19 Clinical Therapeutics Committee (CTC) since its inception, and Drs. Grant and Wright continue to participate in the committee’s new incarnation. This committee was convened to review the available evidence on treatments for COVID-19 on a rolling basis and provide frequent updates on the best evidence to develop provincial guidelines for the pandemic.

Dr. Steiner is the co-lead of the COVID-19 Clinical Research Coordination Initiative Working Group, which was a UBC initiative to streamline the process of participation in clinical research on COVID-19, ensuring parsimonious use of research coordination services, equity of participation around the Province, and engagement of patient partners in research development. One of the tangible outcomes of this initiative was the development of the “Research is Care” document, which has been circulated to MLAs and the MoH to address the misperception that patients are not interested in participating in clinical research.

Meanwhile, the UBC Division of Infectious Diseases continues to lead in managing Transplant-related infections, HIV treatment and pre-exposure prophylaxis, community IV antibiotic therapy, and other longstanding and critical healthcare needs. In partnership with the BCCDC TB services and the division of respiratory medicine, we created a new faculty position in non-tuberculous mycobacteria. After a candidate search, we hired Dr. Shannon Turvey, a TB expert from the University of Alberta. She will start in July 2022.

The division also continues to support the expansion of ID care around BC, with several new hires outside Vancouver (e.g., Victoria, Kelowna, Nanaimo) joining us as clinical faculty members. The division has also remained very active in many clinical trial activities, including investigator-initiated and industry-sponsored studies on COVID-19, *C. difficile* infection, and antibiotic stewardship.

division of MEDICAL ONCOLOGY



Dr. Stephen Chia
Division Head

DIVISION OVERVIEW

Dr. Stephen Chia is Professor and Head of the UBC Division of Medical Oncology and a staff medical oncologist with BC Cancer, Vancouver Cancer Centre. He has a full-time clinical practice focusing on breast cancer and new drug development. Dr. Chia is the Chair of the BC Cancer Breast Tumour Group and Head of the Department of Clinical Research. He is also the Co-Chair of the Breast Disease Site for the Canadian Cancer Trials Group (CCTG) and an NCI Breast Steering Committee member.

Dr. Chia is recognized nationally and internationally for his research on breast cancer. His focus is on clinical trials and translational research. He has published over 180 peer-reviewed papers. His publications appear in international peer-reviewed journals, including high-impact journals such as the New England Journal of Medicine, Journal of Clinical Oncology, Lancet, Cell, JAMA Oncology, and Nature and Nature Medicine. Dr. Chia has been a Subject Editor for the British Journal of Cancer and The Oncologist and is the current section author for UpToDate™ in the Prognostic/ Predictive Markers Section.

The UBC Division of Medical Oncology has the mandate of excellence in state-of-the-art cancer care across the province. Delivery of cancer therapies occurs in the six regional cancer centres (Vancouver, Victoria, Surrey, Abbotsford, Kelowna, and Prince George) and across many community oncology networks to bring cancer care close to home.

As the incidence and prevalence of cancer increase and the complexity of care expand, there is an ever-expanding need for ongoing education and training for cancer care providers in this province which is an essential mandate of the division. Clinical research and clinical trials with a provincial framework are a cornerstone of BC Cancer's business and division members' business. Multiple division members across different tumour sites are national and internationally recognized leaders in cancer research and are/have been PIs on practice-changing phase III clinical trials.



KEY SUCCESSES

- Excellent provincial engagement in clinical trials - 447 cancer patients were enrolled in clinical trials in 2021
- Medical Oncology education is a cornerstone mandate and the division consistently receives high teaching evaluations from medical students and residents



KEY CHALLENGES

- Increased workload and insufficient medical oncologists to see patients in timely manner, resulting in burnout
- Reduced time for research and education
- Exposure to learners, particularly at distributed sites, hinders Clinical Faculty members to apply for promotion

NUMBER OF FACULTY MEMBERS

Professors	5
Clinical Professors	9
Associate Professors	3
Clinical Associate Professors	25
Assistant Professors	2
Clinical Assistant Professors	57
Associate Members	0
Clinical Instructors	18
Emeriti	3

MAJOR ACHIEVEMENTS

The UBC Division of Medical Oncology enjoys a broad distribution of divisional faculty members across regional centers, including:

- Vancouver Cancer Centre: 40
- Surrey Cancer Centre: 22
- Victoria Cancer Centre: 22
- Kelowna Cancer Centre: 20
- Abbotsford Cancer Centre: 13
- Prince George Cancer Centre: 2

Dr. Alina Gerrie was a co-author of a new prognostic index that will be used clinically and in clinical trial stratification in Burkitt's lymphoma.

Dr. Kim Chi was the overall study PI on a phase III trial that has established a new standard of care in metastatic castrate sensitive prostate cancer.

Terry Fox Research Institute: Marathon of Hope Cancer Centre program for \$4 million/year (2021-2025) to BC Cancer with co-lead PIs: Dr. Daniel Renouf and Dr. Marco Marra. Multiple Division members are co-I's (Dr. Chia, Scott, Laskin, et al.).

Principle Investigator Dr. Jonathan Loree received a Canadian Institute of Health Research (CIHR) Project Grant: Circulating Tumour DNA Analysis Informing Adjuvant Chemotherapy in Stage III Colorectal Cancer (DYNAMIC-III) for \$1,426,724 over six years (2021-2026).

And finally, Dr. Stephen Chia receives funding for a Public Health Agency of Canada: Prospective Cohort Study to Examine Immunogenicity of SARS-CoV-2 Vaccination in Cancer Patients with Solid and Hematological Malignancies for \$1,893,517 (2021-2023).

EDUCATION

UBC Education Program Directors:

- Howard Lim (outgoing), PGME Director
- Christine Simmons (incoming), PGME Director
- Diego Villa, PGY1-3 Internal Medicine rotation
- Alina Gerrie, UGME Director

Oncology education is a key cornerstone mandate for all division members. Teaching to all learners (from medical students to residents to fellows to GP Oncologists) in our clinics not only enhances the knowledge base for patient-centric cancer care but also builds interest in medical students and internal medicine residents to consider medical oncology as a career choice.

Number of subspecialty Training program residents:

- 9 Medical Oncology Residents

Number of Medical Oncology Fellows:

- 12 Medical Oncology Fellows

RESEARCH

Number of peer-reviewed publications: >170

Michael Smith Health Scholars: 5

UBC Research Funding/Grants: \$18.2 million

CLINICAL HIGHLIGHTS

Dr. Kim Chi was part of the international steering committee for a phase III clinical trial of a novel radio-isotope ligand therapy in metastatic castration resistant prostate cancer. This has led to a new standard of care locally and internationally to further extend advanced prostate cancer patients' survival.

Dr. David Scott was the clinical co-chair of the Clinical Advisory Committee in September 2021, resulting in the International Consensus Classification of lymphoid neoplasms. This new classification system will be used clinically and within clinical trial stratification.

Dr. Stephen Chia was part of the steering committee for a phase III trial of utilizing a genomic assay (Oncotype DX) for prognostic/prediction of benefit to adjuvant chemotherapy in estrogen positive/HER2 negative node-positive breast cancer. This has led to the update of international and provincial guidelines for the use of this genomic assay to de-escalate adjuvant chemotherapy in post-menopausal women.

division of NEPHROLOGY



Dr. Adeera Levin
Division Head

DIVISION OVERVIEW

Dr. Adeera Levin is a Professor of Medicine and Head of the Division of Nephrology at the University of British Columbia, and Consultant nephrologist at Providence Health Care/ St Paul's Hospital. She is active in international activities across the spectrum of kidney education, research, and administrative activities, and was past President of the International Society of Nephrology (2015-17), and a founding member of the Declaration of Istanbul Custodian Group (DICG). She actively mentors medical students, residents, nephrology fellows, health administration fellows, and PhD candidates. These include physicians, pharmacists, nurses, and other allied health professionals. The mentoring includes clinical and research activities. She has multiple teaching and research awards and is a recipient of The Order of Canada.

The UBC Division of Nephrology provides outstanding renal care to patients in British Columbia primarily centered at Vancouver's two main teaching hospitals (St. Paul's and Vancouver General Hospitals). In addition, Royal Columbian Hospital, Surrey Memorial, Abbotsford in the Fraser Health Authority, Interior Health, Northern Health, and Vancouver Island Health authorities all participate in divisional activities.

The division has a strong clinical base and provides integrated and decentralized nephrology care throughout the Province. Additionally, the division has an important role in the UBC undergraduate medical curriculum, has a mature nephrology postgraduate training program, and participates in the Experimental Medicine and Clinical Investigator programs of the department of medicine.

Research activities encompass laboratory and clinical sciences and combine genetic and molecular research, pharmacology and therapeutics, epidemiology and clinical trials, and population health and outcomes/economic investigations in renal disease and transplantation. Activities are supported by peer review grants, industry funding (investigator-initiated research, unrestricted educational grants), BC Renal, and institution foundations.



KEY SUCCESSES

- Integrated clinical care across the spectrum of kidney diseases from diagnosis to treatment
- International fellowship program enriching core fellowship programs
- Robust clinical research programs funded well from CIHR, Kidney Foundation, MSHRBC, and industry



KEY CHALLENGES

- Translational research and integration with basic scientists
- Support of faculty at all levels for academic activities
- Developing junior faculty with expertise in specific areas of need, due to remuneration structures

NUMBER OF FACULTY MEMBERS

Professors	4
Clinical Professors	7
Associate Professors	3
Clinical Associate Professors	12
Assitant Professors	0
Clinical Assistant Professors	23
Associate Members	4
Clinical Instructors	8
Emeriti	4

MAJOR ACHIEVEMENTS

The past year saw the UBC Division of Nephrology excel in its achievements and continue to develop the depth and breadth of excellence in clinical, administration, and leadership roles.

Dr. Monica Beaulieu was appointed Chair of the Providence Health Medical Advisory Committee; Dr. John Gill was the President American Society of Transplantation; Dr. Caroline Stigant was appointed the Canadian Society of Nephrology's Chair of the Sustainable Nephrology Action Planning (SNAP). Locally, in addition, Dr. Myriam Farah chairs the PHC Nephrology Quality and Safety Committee, and Dr. Nadia Zalunardo is Chair of the Vancouver Hospital Medical Advisory Committee.

Participation in major international clinical trials for both CKD and Transplant patients and enabling COVID-19 research on vulnerable patient groups have been major achievements this academic year.

EDUCATION

UBC Education Program Directors:



Abeed Jamal, PGME Director

- Olwyn Johnston, Transplant Fellowship Director
- Michael Copland, Home Dialysis Fellowship Director
- Sean Barbour, GN Fellowship Director

Number of learners:

- 63 residents
- 15 Clinical Fellows
- 6 Year 4 Medical Students

RESEARCH

Number of peer-reviewed publications and abstracts: 39
Number of International presentations: 10
Number of local presentations: 15
UBC Research Funding/Grants: \$5 million

CLINICAL HIGHLIGHTS

The UBC Division of Nephrology continues to grow its integrated approach to kidney care.

2021 saw a continuation of adapting clinical care during COVID-19 to a virtual model, maintaining a 'team-based' environment, and developing teaching tools for patients accessible virtually in multiple languages.

The division launched the Transplant First Initiative, a formal process to redesign how we evaluate non-dialysis patients using a robust evaluative framework to navigate through the system to obtain a pre-emptive transplant (before needing dialysis). This program is an implementation science program.

Finally, we aim to introduce indigenous cultural safety into the culture of learning and care provided; through modeling, discussions, and formal instruction/ tools opportunities.



division of NEUROLOGY



Dr. Jon Stoessl
Division Head

DIVISION OVERVIEW

Dr. Jon Stoessl is a Professor and the Head of the UBC Division of Neurology. He was previously Director of the Pacific Parkinson's Research Centre, Co-Director, then Director of the Djavad Mowafaghian Centre for Brain Health. He held a Tier 1 Canada Research Chair in Parkinson's and is Editor-in-Chief of Movement Disorders. He has served on numerous other editorial boards, including Lancet Neurology and Annals of Neurology. He has previously chaired the Scientific Advisory Boards of Parkinson's Canada and the Parkinson's Foundation (US) and is Past-President of the World Parkinson Coalition. He is a Member of the Order of Canada.

Dr. Stoessl uses positron emission tomography to study Parkinson's, including imaging biomarkers, the basis for treatment complications, and mechanisms of the placebo effect. He has published more than 300 papers and book chapters and has been cited more than 25,000 times in scientific literature.

The UBC Division of Neurology is the largest division in the department of medicine and has clinical and educational activities distributed throughout the province. Historically, the principal academic strengths of the division have been in Multiple Sclerosis and Neurodegenerative Disorders, including ALS, Alzheimer's disease and other dementias, and Parkinson's disease, but in recent years there has been growth in Stroke and Epilepsy.

UBC is home to Neuroethics Canada and plays a lead role in several national neurological research and data-sharing initiatives. Several division members are active in the Djavad Mowafaghian Centre for Brain Health and graduate programs in Experimental Medicine and Neuroscience.



KEY SUCCESSES

- Stroke program received donation of \$700K from Mowafaghian Foundation
- Dr. Silke Cresswell renewed for 5 years for the Pacific Parkinson's Research Institute Professorship in Parkinson's Research
- Dr. Jason Barton reappointed as Tier I CRC



KEY CHALLENGES

- Financial sustainability remains a challenge in the absence of an alternate funding plan
- As a result, academic activities are less consistent, there is limited translational research, and more difficult to recruit young faculty committed to research

NUMBER OF FACULTY MEMBERS

Professors	11
Clinical Professors	7
Associate Professors	6
Clinical Associate Professors	17
Assistant Professors	1
Clinical Assistant Professors	72
Associate Members	21
Adjunct Members	3
Affiliate Members	3
Partner	2
Clinical Instructors	23
Emeriti	8

MAJOR ACHIEVEMENTS

- Dr. Kristine Chapman was appointed as Head of the Division of Neurology at Providence Health Care
- Dr. Doris Doudet reappointed as Clinical Research Ethics Board members
- Dr. Robin Hsiung reappointed as Clinical Research Ethics Board members
- Dr. Chantelle Hrazdil co-supervised a resident (Jason Randhawa) with Judy Illes on triaging admissions to epilepsy units - this is being published in JMed Ethics and is receiving publicity in numerous other venues
- Dr. Judy Illes named distinguished Scholar in Neuroethics honorific
- Dr. Yu Tian Wang, appointment as Dean, School of Life and Health Science, University of Shenzhen Institutes of Advanced Technology, Chinese Academy Science effective October 1, 2021
- Dr. Thalia Field, as the recipient of the academic faculty renewal project in Data Science Institute: Personalized strategies for stroke prevention, treatment and rehabilitation
- Dr. Martin McKeown, as the recipient of NIH grant of \$275K(US) for project Measurement of Neuroexcitation during Bladder Filling: A Novel Metric for Overactive Bladder Phenotyping Co PI with Stothers

EDUCATION

UBC Education Program Directors:

- Samuel Yip, PGME Director
- Tychicus Chen, PGME Associate Director
- Martin McKeown, Resident Research Director
- Gordon Robinson, UGME Director

Number of Learners:

- 31 trainees at various levels of training from PGY1-PGY5

RESEARCH

Number of peer-reviewed publications: 400

UBC Research Funding/Grants: \$11.7 million

Lectureship Activities:

- Dr. Stanley Hashimoto Lectureship held via Zoom on Feb 10, 2021 with guest speaker Dr. Francesca Morgante from St. George's University of London "Reconciling Brain and Mind : How Functional Motor Disorder

are 'ORGANIC"

- Donald W. Paty Lectureship - Cancelled 2021 due to COVID-19
- Naveen Desphande Lectureship - Cancelled 2021 due to COVID-19

CLINICAL HIGHLIGHTS

- In partnership with the ALS Society of BC, raised funds for a Professorship in ALS and initiated an international search for a clinician-researcher
- Recruited/repatriated a neuro-oncologist from M. D. Anderson Hospital, whose primary home is BCCA. This is tied to plans to develop programs in neuro-palliative care and Integrated Neurological Care
- Significant expansion of the Epilepsy program
- The Brain Wellness Program at the Centre for Brain Health continues to flourish



division of PALLIATIVE CARE



Dr. Pippa Hawley
Division Head

DIVISION OVERVIEW

Dr. Pippa Hawley is a Clinical Professor and Head of the UBC Division of Palliative Care. In 1997, Dr. Hawley founded the Pain & Symptom Management and Palliative Care service at BC Cancer and remains its medical director.

Dr. Hawley has a busy clinical, research, and teaching practice. She designed the innovative 'Bowtie Model' of integrated palliative care in 2014 to break down the misconception that palliative care is only for people in the last few weeks of life. This has been adopted worldwide, such that her name is recognizable to many palliative and hospice care professionals worldwide.

Dr. Hawley has published over 30 articles in medical journals, authored and edited chapters in various palliative care textbooks, and made invited presentations at numerous medical conferences. She currently carries out several research projects, notably a clinical trial on medical cannabis extracts for cancer-related symptoms

The UBC Division of Palliative Care was established in the department of family practice in 1997 and strives to ensure excellence in the care of people living with advanced illness through research, community advocacy, and education in undergraduate, graduate, postgraduate and public education. In 2013, Dr. Pippa Hawley became the Division Head, marking our administrative home's transition from the department of family practice to the department of medicine. Shortly after, in 2014, we opened the new office on the ground floor of St John Hospice on the UBC Vancouver campus.

Under Dr. Hawley's guidance, the division launched a new stream for learners through the Royal College 2-Year Subspecialty Palliative Care Program in 2017. It increased the number of residency seats through the Family Medicine Enhanced Skills stream. In 2021 we had eight palliative medicine residents on a path to graduation in 2022.



KEY SUCCESSES

- Hosting virtual space for palliative care providers caring for patients dying of COVID-19
- Successful divisional retreat with theme "Coming to Stillness - A Mindful Way of Deepening our Listening"
- Successful succession planning for UBC Division Head and Administrator roles



KEY CHALLENGES

- Absence of clinical faculty HR plan to support early to late career physicians
- Lack of financial resources and protected research time
- Lack of funding for Enhanced Skills Subspecialty training

NUMBER OF FACULTY MEMBERS

Professors	3
Clinical Professors	11
Associate Professors	0
Clinical Associate Professors	14
Assitant Professors	0
Clinical Assistant Professors	31
Associate Members	1
Adjunct Professors	6
Clinical Instructors	65
Emeriti	0

MAJOR ACHIEVEMENTS

Dr. Matthieu Hubert remained dedicated as the UBC Division of Palliative Care Educational Rounds Lead. In this capacity, he continued to organize biweekly province-wide virtual educational rounds (alternating between journal club & case rounds) along with the help of the educational rounds scientific planning committee (Dr. Julia Ridley & Dr. Rose Hatala). The topics ranged from “Sexual Medicine and Palliative Care” to “Fraser Health Advance Care Planning.” These rounds were well-attended by faculty members across the province and became one of the leading platforms for the division members to remain connected during the pandemic.

Dr. Julia Ridley, one of the Program Directors within the division, led the co-development of palliative care modules for the International gynecologic society (IGCS). She was invited to present on Communication in palliative care at the 2021 IGCS Annual Global meeting.

Dr. Rose Hatala continued to lead as the Palliative Medicine FRCPC Competence Committee Chair, Internal Medicine Competence Committee Director, UBC CHES Clinical Educator Fellowship Director, and UBC site of Maastricht’s MHPE-Canada.

Dr. Nicola Macpherson co-led the Ridge Meadows Division of Family Practice Palliative Pathway Project. In this role, Dr. Macpherson developed a multi-page guide for Family Physicians to easily access palliative care resources in the local community.

Dr. Wai Phan continued to co-lead the Fraser Northwest Division of Family Practice Palliative Shared Care Project. In this capacity, he collaborated closely with Family Physicians and other palliative care providers in establishing more palliative care resources and educational experiences for primary care providers.

EDUCATION

UBC Education Program Directors:

- Julia Ridley, PGME Director
- Anoo Tamber, Family Medicine Enhanced Skills
- Matthieu Hubert, Educational Rounds Lead
- Wai Phan, Resident Wellness Lead

Number of Learners:

- 91 trainees from various UBC medical programs

Number of applications from Prospective Subspecialty Training Program residents:

- 1 Applicant

Number of subspecialty Training program residents:

- 3 Palliative Care Residents

The division worked closely with UBC CPD and grew the annual UBC Division of Palliative Care CME day “Back to Basics” by a 52% increase in attendance across specialties and disciplines. Topics included: “Evidence-Guided Management of Delirium in Palliative Care,” “Renal Failure and Palliative Care,” and “Goals of Care in an Oncology Setting.” It was the first time we successfully recruited newly graduated UBC palliative care residents to present at UBC CME Day on the subject of uncommon and hard-to-treat palliative symptoms. Due to overwhelmingly positive feedback, we aim to continue inviting newly graduated palliative care residents to present on our CME day in the years to come.

RESEARCH

Number of peer-reviewed publications: 13
Number of published abstracts: 3
Number of research presentations: 1
Number of lectures: 1
UBC Research Funding/Grants: \$167K

CLINICAL HIGHLIGHTS

The UBC Royal College Enhanced Skills Program established a unique three-month Palliative Medicine training for practicing FRCPC MDs in BC. The first trainees started in 2021. This is a one-of-a-kind experience in Canada that allows for a shorter training term to be made available to FRCPC MDs to enhance their palliative care skills. Koerner-Owen donor funds provide the funding for this program. As we have received significant interest and numerous applications for this program, future resources and support are warranted to expand this program.

We are grateful for the support of many partners, providers, educators, learners, and donors across the Province, including Dr. David Hsu and the Hsu-Hsieh Foundation, BC Center for Palliative Care, Lions Gate Hospital Foundation and the Lasting Memories are Gifts in Children (M.A.G.I.C.) Society.

division of PHYSICAL MEDICINE & REHABILITATION



Dr. Jennifer Yao
Division Head

DIVISION OVERVIEW

Dr. Jennifer Yao has been the head of the UBC Division of Physical Medicine & Rehabilitation (PMR) since April 2016 and has renewed her term in 2021 for another three years. She completed her PMR training at UBC in 2002 and is currently a Clinical Associate Professor and recent Medical Site Lead at GF Strong Rehab Centre in Vancouver.

Her clinical practice is in neurorehabilitation, focusing on stroke and acquired brain injuries. Dr. Yao has a strong interest in medical education and has extensive experience in postgraduate medical education training, including chairing the Specialty Committee in PMR at the Royal College of Physicians and Surgeons of Canada from 2014 to 2021. She has active research collaborations in stroke rehabilitation both in British Columbia and across Canada.

The UBC Division of Physical Medicine & Rehabilitation (PMR) consists of 85 members across British Columbia, plus 11 psychiatry residents. The division has a large clinical faculty with multiple specialized areas of practice in both academic and community settings. Members are recognized nationally and internationally for their engagement in psychiatric patient care, research, medical education, and healthcare administration. The UBC Division of Physical Medicine & Rehabilitation also trains future psychiatrists in our postgraduate residency training program and actively teaches at UBC's undergraduate medical program.

The UBC Division of Physical Medicine & Rehabilitation aims to improve the quality and effectiveness of rehabilitation services in BC by sharing expertise in clinical service delivery, teaching and research with health care partners, governments, patients, and the public.



KEY SUCCESSES

- Migrating divisional website to UBC host and updating with member practices and geographic distribution
- Virtual strategic planning session to organize a new executive committee to enhance division governance
- Virtually hosted annual Rehab Research Day



KEY CHALLENGES

- Providing members with more research and academic support in equitable and meaningful ways
- Developing and executing plans to increase and sustain divisional financial health
- Meeting the learning and practice needs of members

NUMBER OF FACULTY MEMBERS

Professors	2
Clinical Professors	3
Associate Professors	0
Clinical Associate Professors	4
Assistant Professors	0
Clinical Assistant Professors	36
Adjunct Professors	1
Associate Members	4
Clinical Instructors	30
Emeriti	3

MAJOR ACHIEVEMENTS

Dr. Kathleen Martin Ginis is the Director of the Centre for Chronic Disease Prevention and Management and is based in Kelowna with the Southern Medical Program. Her work focuses on exercise psychology and rehabilitation, especially in those with spinal cord injuries. She has a joint Department appointment with the School of Health and Exercise Sciences. In 2021, she was awarded the Certificate of Merit for Outstanding Academic Accomplishments and Sustained Excellence from the UBC Department of Medicine. The UBC Division of Physical Medicine & Rehabilitation is very fortunate to have her as a member and commends her on her academic achievements.

Dr. Andrei Krassioukov is a highly accomplished clinician-scientist within the division of PMR. He is a world-renowned researcher in the field of autonomic dysfunction in spinal cord injury and is just completing this term as President of the American Spinal Injury Association. He is also the Chair of ICORD in Rehabilitation Medicine and mentors numerous local and international post-doc fellows at his lab in ICORD. In addition to his academic achievements, Dr. Krassioukov is an active clinician with his physiatric practice based in Vancouver. The UBC Division of Physical Medicine & Rehabilitation is very proud to have Dr. Krassioukov as one of our faculty members and acknowledges his tremendous contributions to our division and UBC.

EDUCATION

UBC Education Program Directors:

- Amy Hanlan, PGME Director

Number of applications from Prospective Subspecialty Training Program residents:

- 34 Applicants

Number of subspecialty Training program residents:

- 2 Physical Medicine & Rehabilitation Residents

Our training program currently has 11 residents and accepts two residents per year. Physiatry has been gaining popularity as a discipline for new graduates, and our program has an excellent reputation for educational excellence.

The CBD curriculum is proceeding well, and the program has adopted a

hybrid approach to academic half-day to incorporate virtual with in-person instruction. Our PMR training program also regularly hosts second-year neurology residents as part of their training plan.

RESEARCH

Number of peer-reviewed publications (clinical faculty): 31
Number of peer-reviewed publications (academic faculty): 49
Number of invited lectures: 4
UBC Research Funding/Grants: \$277K

The division's Research Advisory Committee, led by Dr. Andrea Townson, consists of clinical faculty members with greater research interests and experience who are willing to assist other members with peer review of their proposals and research ideas.

CLINICAL HIGHLIGHTS

Spearheaded and founded by division faculty, Drs. Paul Winston and Rajiv Reebye, the Canadian Advances in Neuro-Orthopedics for Spasticity Congress (CANOSC), has continued to thrive in 2021. CANOSC was developed in partnership with CAPMR and international partners to focus on innovation, education, and interdisciplinary collaboration for the treatment and care of people suffering from spasticity. It has continued to deliver high-quality workshops and research presentations virtually in 2021, offering them free of charge to clinicians and academics from around the world. CANOSC has attracted interest from other clinician-scientists interested in advancing spasticity care and is poised to expand further into a not-for-profit organization. What started as a series of invited lecturers and workshops in a physiatry community clinic has gained international recognition and spurred our division members' research productivity.

In 2021, several clinical faculty members, led by Dr. Russ O'Connor, in collaboration with the Division of Plastic Surgery, were able to implement the Upper Extremity Clinic at G.F. Strong Rehab Centre. This unique clinic assesses patients with tetraplegic spinal cord injuries for suitability to undergo tendon and/or nerve transplants in an effort to restore function to their upper extremities. Patients who have undergone the procedures have been able to recover grasp function, which significantly enhances their quality of life and independence. The clinic's success is an excellent example of the ongoing collaborative work that many of our clinical faculty are engaged in to improve the health and function of our patients.

division of RESPIRATORY MEDICINE



Dr. Chris Carlsten
Division Head

DIVISION OVERVIEW

Dr. Christopher Carlsten is Professor and Head of the UBC Division of Respiratory Medicine. He also holds the Canada Research Chair in Occupational and Environmental Lung Disease, and is the Director of the Air Pollution Exposure Lab and the Legacy for Airway Health (VCHRI)

As a clinician-scientist, Dr. Carlsten focuses on how air pollution affects our lungs and immune system in a public health context. He leads a team of researchers conducting human exposure studies to common air pollutants, such as diesel exhaust. They use clinical and laboratory techniques to understand how air pollution exposures impact lung diseases, and leverage this knowledge via integrated knowledge translation and stakeholder engagement to develop approaches that reduce health impacts in Canada and beyond.

The UBC Division of Respiratory Medicine is primarily located at the major teaching hospitals affiliated with the UBC Faculty of Medicine. The major activities are focused at Vancouver General Hospital, St. Paul's Hospital, and UBC Hospital. In addition, reflecting the distributed medical school, there are now a significant number of community respirologists distributed through the province, affiliated formally as either full or associate members of the division.

Dr. Carlsten is the Head of the UBC Division of Respiratory Medicine. Dr. Jay Johnston is the head of the VGH Respiratory Division. Dr. Chris Ryerson is the Head of Providence Health Care Respiratory Division, which includes St. Paul's Hospital. The UBC Division of Respiratory Medicine continues to participate in a multi-site framework focusing on education, clinical care, and research across the province.



KEY SUCCESSES

- 5 new faculty appointments
- Division-wide team based success in weathering the peak of the COVID-19 pandemic, maintaining excellent clinic care and commitment in spite of the crushing strain



KEY CHALLENGES

- Strategic planning process to address strategic goals
- Support for junior and mid-career faculty: ongoing fundraising, partnered awards, and negotiations with UBC leadership
- Maintaining asthma clinical trials through clinical trials structure at VCH

NUMBER OF FACULTY MEMBERS

Professors	11
Clinical Professors	4
Associate Professors	3
Clinical Associate Professors	12
Assistant Professors	0
Clinical Assistant Professors	26
Associate Members	0
Clinical Instructors	0
Emeriti	3

MAJOR ACHIEVEMENTS

We have revitalized the UBC Division of Respiratory Medicine's Academic Enhancement Fund through new endorsement of the division and a matching program offered by the VGH/UBC Hospital Foundation.

We are recognizing the need for better integration of research and translation across and beyond the division, we have initiated the BC Respiratory Health Research Network.

EDUCATION

UBC Education Program Directors:

- Victoria Cook, PGME Director

Number of applications from Prospective Subspecialty Training Program residents:

- 32 Applicants

Number of subspecialty Training program residents:

- 7 Respiratory Medicine Residents

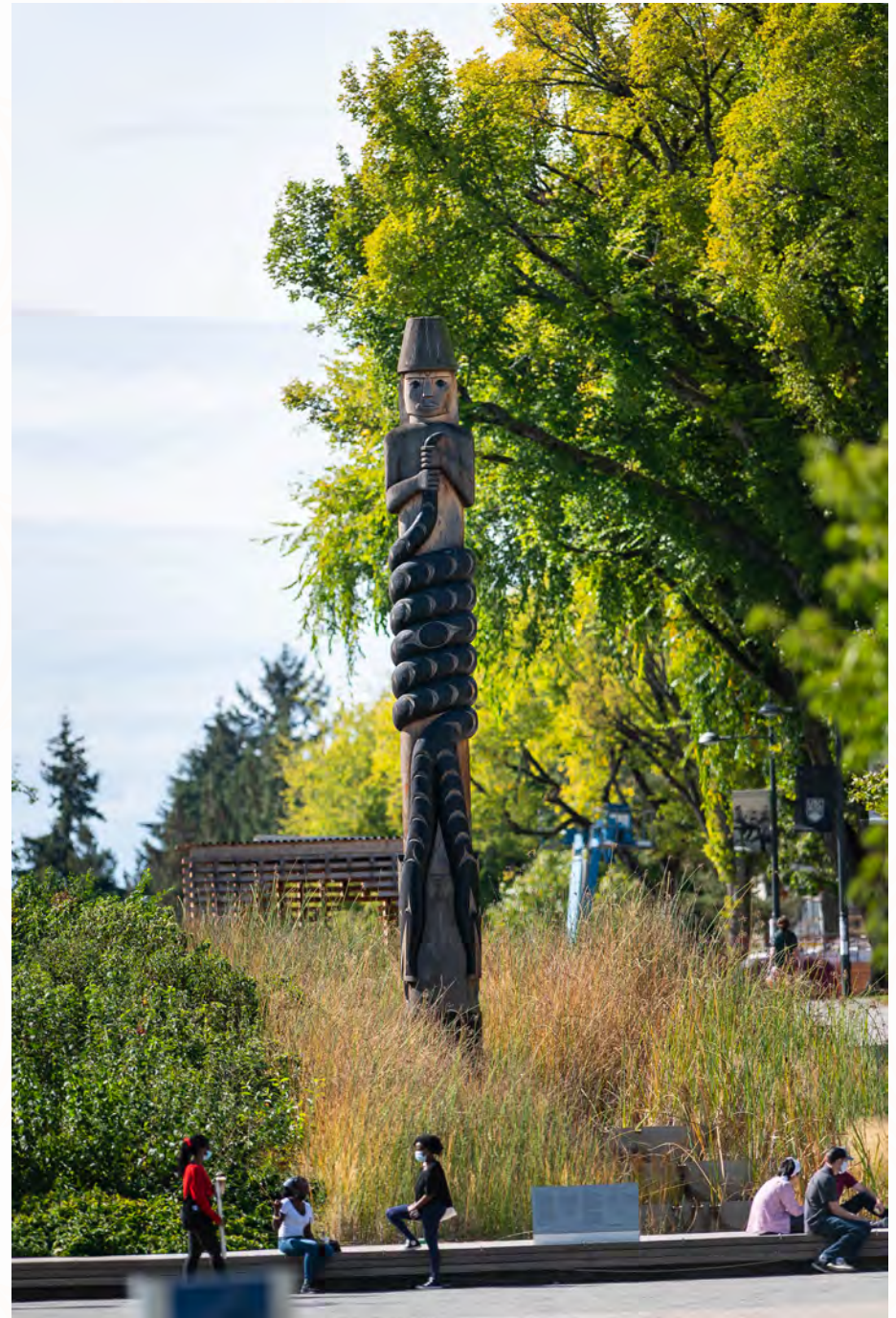
RESEARCH

Number of peer-reviewed publications: 211

UBC Research Funding/Grants: \$13.3 million

CLINICAL HIGHLIGHTS

- Through persistence and stakeholder engagement, led by Dr. James Johnston, we established a new alternative payment plan for lung transplant physicians
- Full launch of the BC Lung Cancer Screening Program, due in significant part to Division member Dr. Stephen Lam
- BC Lung Grant: Dr Alyson Wong "Connecting clinical research and economic evaluation by mapping lung function to EQ5D utility scores in patients with fibrotic interstitial lung disease"
- CIHR Operating Grant: Dr. Najib Ayas "OSA and Long-term health consequences"



division of RHEUMATOLOGY



Dr. Kam Shojania
Division Head

DIVISION OVERVIEW

Dr. Kam Shojania is a Clinical Professor and Head of the UBC, St Paul's Hospital, and Vancouver General Hospital Division of Rheumatology and the Medical Director of the Mary Pack Arthritis Centre.

Dr. Raheem B. Kherani served as the Adult Rheumatology Program Director for the division in 2021 providing excellent leadership for the academic and clinical portions of the training program. Dr. Diane Lacaille served as the Scientific Director of Arthritis Research Canada, and Dr. John Esdaile continues as Scientific Director Emeritus.

Dr. Shojania stepped down as Division Head of the UBC Division of Rheumatology at the end of 2021. Dr. Diane Lacaille will serve as Interim Division Head until June 2022, then Dr. Antonio Aviña-Zubieta will become Division Head in July 2022.

The UBC Division of Rheumatology encompasses practicing rheumatologists, researchers, and educators affiliated with the University of British Columbia. Training sites include Vancouver General Hospital and St. Paul's Hospital, in Vancouver, and Royal Columbian Hospital in New Westminster. There are also now peripheral training sites in North Vancouver, Victoria, Nanaimo, Kelowna and Penticton.

The future of the UBC Division of Rheumatology is bright with new, strong clinical rheumatologists, internationally-renowned researchers, and the second-largest training program in Canada. We strive to provide excellence in clinical care, teaching and research. There are consistent breakthroughs in our understanding of the rheumatic diseases and outstanding new therapies are available for patients in BC with many more are becoming available still.



KEY SUCCESSES

- One of the top training rheumatology centres in Canada
- Creating quaternary clinics for lupus, myositis, pregnancy, systemic sclerosis and Sjogren's disease with support of Mary Pack Arthritis Centre
- Excellent culture of collegiality and high impact research by an academically focused group



KEY CHALLENGES

- Building research capacity among clinical faculty
- Financial support for early and mid-career scientists and clinical faculty that don't depend on soft resources
- Sustainability and recruitment of new academic faculty

NUMBER OF FACULTY MEMBERS

Professors	2
Clinical Professors	4
Associate Professors	2
Clinical Associate Professors	12
Assistant Professors	0
Clinical Assistant Professors	22
Adjunct Professors	2
Clinical Instructors	19
Emeriti	7

MAJOR ACHIEVEMENTS

In 2021, the UBC Division of Rheumatology expressed need of renewal in its leadership by recruitment of a new division head that further integrates research capacity among clinical faculty and clinician scientist at Arthritis Research Canada.

22 UBC Division of Rheumatology members received the VGH COVID-19 Award for Clinical Service by working on the COVID ward.

Dr. Kun Huang began organizing weekly UBC Division of Rheumatology rounds and initiated a longitudinal clinic for Rheumatology residents at the Surrey Site and provided clinical rotations for UBC medical students and family residents. We also opened up our myositis clinic for rheumatology residents.

Dr. Antonio Aviña-Zubieta's 2 Scholar Awards (BC Lupus Society and the Walter & Marilyn Booth Award) were renewed for 2021 and 2022.

Dr. John Esdaile holds the position of Scientific Director Emeritus of Arthritis Research Canada/Arthrite-recherche Canada. It is headquartered in BC (UBC, SFU) and now has centres at the University of Calgary, Laval University and McGill University. It includes 40 scientists, 38 students, 47 research staff, 7 administrators and 20 patients who are involved in the Arthritis Patient Advisory Board in Vancouver and the Patients impliqués dans la recherche sur l'arthrite in Quebec.

EDUCATION

UBC Education Program Directors:
Raheem Kherani, PGME Director

Number of learners:

- 16 Learners

Number of applications from Prospective Subspecialty Training Program residents:

- 23 Applicants

Number of subspecialty Training program residents:

- 7-9 Rheumatology Residents

RESEARCH

Number of peer-reviewed publications: 72

Number of published abstracts: 61

Number of Research Presentations: 27

Endowed Chairs: 2

Lectureship Activities: 5

UBC Research Funding/Grants: \$308K

CLINICAL HIGHLIGHTS

The UBC Division of Rheumatology continues its excellence in training the next generation of rheumatologists by supporting additional training of residents who wish to do it, as well as a mentor program for recent graduates to make transition into clinical practice easier and efficient. Promoting multidisciplinary collaborations at different levels with the end goal to improve care for patients with arthritis.

In collaboration with Drs. Cheryl Barnabe, Tom Appleton and Lynden Crowshoe, we have developed an Indigenous Health Initiative within the Canadian Rheumatology Association. This has been delivered to rheumatologists in 2 phases of teaching as a train the trainer format yearly since 2017. In collaboration with Dr. Brent Ohata, we have been able to deliver Indigenous Health Training for Rheumatology Residents and Rheumatology Allied Health on multiple occasions since 2020.

Dr. Mollie Carruthers launched the UBC Division of Rheumatology peer mentor program in July 2021 with 30 faculty members participating in the program.

Drs. Raheem Kherani and James Yeung are involved in the development of a Fracture Liaison Service at Richmond Hospital. They are also part of the BC Coalition of Osteoporosis working group which advocates for osteoporosis treatment for patients in British Columbia.

Dr. Brent Ohata, founder of RheumVision developed a real-time, video consultation service for rural GPs requiring advice for individuals that struggle to access in-person rheumatologic care. The program is integrated into RCCBC's Real Time Virtual Services suite and FNHA's First Nations Doctor of the Day programs.

division of SOCIAL MEDICINE



Dr. Thomas Kerr
Division Head

DIVISION OVERVIEW

Dr. Thomas Kerr is Professor and Head of the UBC Division of Social Medicine. Dr. Kerr is also the Director of Research with the BC Centre on Substance Use (BCCSU), as well as an Associate Faculty Member in the School of Population and Public Health at UBC.

Dr. Kerr holds a doctoral degree in counselling and health psychology, and brings over 15 years of clinical experience working with a range of populations, including people who use substances, individuals living with mental illnesses, and people living with HIV. His primary research interests involve substance use, harm reduction, HIV/AIDS, health policy and service evaluation, and community-based research methods. His long history of involvement in healthcare issues in Vancouver's Downtown Eastside includes ground-breaking work on peer-driven interventions, needle exchanges, and supervised consumption sites. Dr. Kerr has worked closely with a number of drug user-led organizations, including the Vancouver Area Network of Drug Users (VANDU), the Western Aboriginal Harm Reduction Society (WAHRS), Canadian Association of People who Use Drugs (CAPUD), and the Thai Drug Users Network.

The UBC Division of Social Medicine includes academic and clinical researchers who focus on the social, structural, environmental, and cultural determinants of health, as well as the delivery of health and policy interventions for populations who experience inequities and discrimination in health access and outcomes. Areas of specialization include substance use, gender, sexual health equity, and infectious diseases. Its members' research is diverse, encompassing social epidemiology, social science, decolonizing research methods, community-based research, intersectional feminist approaches, clinical trials, health service evaluation, and basic science. Social medicine seeks to understand how health disparities, socio-economic inequities, and innovations in health service delivery and policies improve health at individual and population levels. To that end, our work also includes a commitment to advocacy, knowledge translation, and authentic partnerships with affected communities and individuals. The division is grateful for the administrative support provided by Julie Sagram and the support of the British Columbia Centre on Substance Use (BCCSU) and the Centre on Gender and Sexual Health Equity (CGSHE).



KEY SUCCESSES

- Dr. Brittany Bingham launched the AMPLIFY project, funded by a CIHR COVID-19 rapid response grant
- Drs. Deering, Shannon, and Lowik invited by the World Health Organization to serve as expert consultant/Canadian lead for the Global Sexual Health Survey



KEY CHALLENGES

- Members engaged in various community-based initiatives to increase public awareness of issues related to sexual health and substance use, and made presentations to government audiences to influence public policy

NUMBER OF FACULTY MEMBERS

Professors	4
Clinical Professors	0
Associate Professors	0
Clinical Associate Professors	1
Assistant Professors	10
Clinical Assistant Professors	2
Affiliate Members	6
Adjunct Professors	3
Clinical Instructors	1
Emeriti	0

MAJOR ACHIEVEMENTS

- Dr. Kerr was elected the Director of Research at BCCSU
- Drs. Shannon and Deering at the Centre for Gender and Sexual Health Equity (CGSHE) received a \$2.5M grant (over 5 years) from the US-NIH for “Social and structural violence and HIV care continuum outcomes: Developing a trauma-informed HIV care intervention among WLWH”
- The BCCSU held their 2021 Annual Meeting & Scientific Conference online
- Division members continued to operate large US NIH-funded prospective cohort studies involving women engaged in sex work, individuals living with HIV, people who inject drugs, and street-involved drug using youth
- The UBC Division of Social Medicine looks forward to expanding its reach and increasing its capacity in 2022 in order to further its mission. For example, BCCSU has a number of new faculty recruits in process, including clinical faculty focused on data science and quality improvement of addiction and substance use care

EDUCATION

Members of the division continued to give lectures to undergraduate students and engage in other undergraduate teaching throughout UBC, including in Medicine (CBL), Experimental Medicine, SPPH, and Psychology.

Dr. Danya Fast facilitated a reading group for medical undergraduate, graduate and postgraduate trainees through her work with the Anthropology of Addiction Reading Group at UBC.

Drs. Krüsi and Knight co-taught graduate courses in UBC SPPH on Qualitative Methods in Health Research Design.

As CGSHE Director of Indigenous Health, Dr. Brittany Bingham organized and moderated the CGSHE Decolonizing Sexual Health Series, hosted by UBC FoM, in partnership with UBC Indigenous Research Support Initiative and VCH Indigenous Health, with over 400+ research and clinician attendees per session.

Dr. Nadia Fairbairn, as Program Director/Principal Investigator for the International Collaborative Addiction Medicine Research Fellowship at BCCSU, continued to provide post-doctoral training for clinician scientists with 5 fellows in the 2020/2021 academic year and 4 fellows in the 2021/2022 academic year

RESEARCH

Number of peer-reviewed publications and abstracts: >200
UBC Research Funding/Grants: \$9.2 million

- Many publications appeared in high-impact journals (such as Global Public Health, International Journal of Drug Policy, American Journal of Epidemiology, and Lancet Public Health) and a large amount of funding was secured, most significantly through US-NIH and CIHR grants
- Dr. M-J Milloy hosted a “Research Studies in Vancouver’s Downtown Eastside” lecture for the International Collaborative Addiction Medicine Research Fellowship fellows
- Dr. Boyd received a \$41,040 grant from Social Sciences and Humanities Research Council of Canada for “Re-Imaging policing: A three-part documentary about policing and sex work, mental health and addiction”
- Drs. Kerr and Kennedy received a \$249,065 grant from CIHR for “Utilization and outcomes of supervised consumption services in BC in the context of COVID-19”

CLINICAL HIGHLIGHTS

The UBC Division of Social Medicine is committed to providing, advocating for and developing guidelines for non-biased and evidence-based patient care in the areas of substance use and sexual health. In 2021, members engaged in the following activities:

- Drs. Fairbairn and Nolan participated in Providence Health Care’s Addiction Medicine Consult Service and Providence Health Care’s Rapid Access Addiction Clinic
- Dr. Nolan was successful in advocating for sustained funding for Providence Health Care’s Opioid Stewardship Program
- Dr. Fairbairn supported the review of multiple guidelines including the BCCSU’s Best Practices for the Clinical Management of Opioid Use Disorder in Correctional Settings and the Centre for Addiction and Mental Health’s Opioid Agonist Therapy: A Synthesis of Canadian Guidelines for Treating Opioid Use Disorder
- Dr. Shannon and Dr. Chettiar served on the, BC Ministry of Health’s BC Sexual Health Expert Advisory Board , for CGSHE that aims to develop the first ever BC Sexual Health Strategy (to be launched 2022)
- Drs. Kerr and Shannon continued to provide early faculty mentorship to postdoctoral research fellows and new faculty