

# UBC Department of Medicine

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annual report  
2022



THE UNIVERSITY OF BRITISH COLUMBIA

# annual report 2022

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Medical Oncology  
Nephrology  
Neurology  
Palliative Care  
Physical Medicine & Rehabilitation  
Respiratory Medicine  
Rheumatology  
Social Medicine



**UNIVERSITY OF BRITISH COLUMBIA**  
**DEPARTMENT OF MEDICINE**  
Annual Report 2022

### **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



Reconciliation Pole by 7idansuu (Edenshaw) James Hart, Haida Hereditary Chief and Master Carver  
Image courtesy of Paul H. Joseph / UBC Brand & Marketing

*With gratitude, we acknowledge that the Department of Medicine, its divisions, and its sites, which resides on four university academic campuses, are located on traditional, ancestral, and unceded territories of Indigenous peoples around the province of British Columbia.*

*We respectfully acknowledge that the:*

- *UBC Vancouver-Point Grey academic campus is located on the traditional, ancestral, unceded territory of the  $x^w m \theta k^w \dot{a} y \dot{a} m$  (Musqueam), and UBC operations in Vancouver more generally are also on the territories of the  $S k w x w \acute{u} 7 m e s h$  (Squamish) and  $S e l \acute{i} l w i t u l h$  (Tsleil-Waututh);*
- *UBC Okanagan academic campus is situated on the traditional, ancestral, unceded territory of the  $S y i l x$  (Okanagan) Nation;*
- *University of Northern BC Prince George campus is located on the traditional territory of the  $L h e i d l i T ' e n n e h$ , who are part of the  $D a k e l h$  (Carrier) First Nations;*
- *$l \acute{a} k^w \dot{a} \eta \dot{a} n$  peoples on whose traditional territories the University of Victoria is located and the Songhees, Esquimalt and  $W \acute{S} \acute{A} N E \acute{C}$  peoples whose historical relationships with the land continue to this day.*

# department of medicine

## HEADS & DIRECTORS



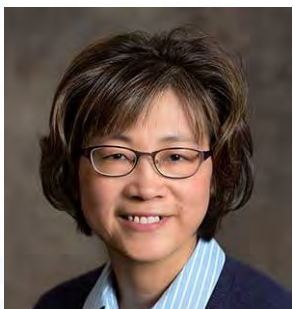
### **Anita Palepu, MD, MPH, FRCPC, MACP**

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 & Metabolism**  
**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. Fify Soeyonggo  
Dr. Jennifer Yao  
Dr. Christopher Carlsten  
Dr. Antonio Aviña-Zubieta  
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, treatment, 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. We embarked on developing our Departmental Strategic Plan in 2022, which involved multiple visits to the distributed sites to engage faculty and staff on what is important to them. Meeting with colleagues in person after being unable to do so for two years due to the COVID-19 pandemic was a huge highlight. I am enormously grateful for the time and thought faculty, staff, and learners have offered to date. The input has been insightful and valuable in developing and refining our vision, mission, values, core areas, goals, actions, and metrics for the next five years. We continue to advance our data science and health agenda and have a MOU with the UBC Faculty of Science Data Science Institute, and we continue to be engaged with the Faculty of Medicine, PHSA, and the regional health authorities on health data access.

We present the 2022 Annual Report to share and celebrate our accomplishments. I deeply appreciate our outstanding administrative team's expertise and performance despite being understaffed. The Associate Heads' enthusiasm, professionalism, and commitment to the Department during this past year has been unwavering and a huge support. The Department Executive has been effective and highly collaborative.

I thank all Department members for their dedication to advancing education and research in spite of challenges to transform health for everyone. What we have all accomplished is remarkable, and I am proud of your exceptional efforts. It is an honour to be your Department Chair.

## **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.

## Department of Medicine Events

### Division Reviews

January 2022 - Division of Nephrology

May 2022 - Division of Neurology

September 2022 - Division of Cardiology

### Women in Medicine Workshop

October 2022 - Cultural Safety Training for Health Care Providers: Healing through Land & Culture – N'alaga / Kaaw Kuuna (Avis O'Brien)

### 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 9, 2022.

### Annual Festive Celebration/United Way Holiday Donation Drive

In lieu of a holiday reception for faculty and staff in December 2022, 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.

## Vancouver General Hospital 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 and is now administrated by the VGH Department of Medicine.

## Strategic Planning Process

In March 2022, the UBC Department of Medicine began developing a strategic plan to help set a cohesive direction and priorities for the next five years, to strengthen and forge new collaborative relationships, and to support decision-making. The strategic plan will lay out our vision, mission, and goals, how we intend to achieve them, and how we will measure and communicate our progress.

The Department of Medicine moved through 3 phases of the strategic planning process, including:

- Phase 0: Project Planning (February - March 2022)
- Phase 1: Situation Assessment (April - June 2022)
- Phase 2: Strategy Development (June- December 2022)

## Data Science and Health

DASH introduced the 2022/2023 Steering Committee which works closely with Cluster members and trainees to navigate the complex process of developing a harmonized health data ecosystem in BC.

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 in 2022:

- Dr. Anna Goldenberg, Scientist, SickKids Research Institute *"The Good, Bad and Ugly of AI in Healthcare"*
- Dr. Leo Celi, Clinical Research Director, Massachusetts Institute of Technology Laboratory for Computational Physiology *"Better Than Humans: Building AI that is Less Prejudices, More Fair"*

## HUMAN RESOURCES

### Workday

November 1, 2022 officially marked UBC's second year on Workday HR (HCM) and Finance. Workday for Students is scheduled to be launched in phases during the 2023/24 and 2024/25 academic years.

### Hybrid Work Arrangements

In 2022, the University officially adopted the hybrid work program to create a flexible workplace environment and assist in attracting and retaining faculty and staff.

### New Division Heads

- Dr. Fify Soeyonggo, Division of Palliative Care (January 1, 2022)
- Dr. Diane Lacaille, Division of Rheumatology (Interim January 1 - June 30, 2022)
- Dr. Antonio Aviña-Zubieta, Division of Rheumatology (July 1, 2022)

### New Division Administrators

- Maeve Lalor, Division of Nephrology
- Stephanie Milne, Division of Palliative Care
- Sim Lee, Division of Physical Medicine & Rehabilitation
- Gitanjali Ghoshal, Division of Rheumatology

### New Education Office Staff

- Ros Wisenthal, (leave replacement) PGME Program Assistant
- May Wong, PGME Project Coordinator

### New Human Resources Staff

- Flavia Oliveira, HR Assistant
- Lygia Siqueira (promotion), Faculty Hires & Promotions Manager

### Retirements

- Dr. Neil Cashman, Division of Neurology
- Dr. Pearce Wilcox, Division of Respiratory Medicine
- Dr. Stephan Van Eeden, Division of General Internal Medicine
- Dr. Iain Mackie, Division of General Internal Medicine
- Dr. Manoucherh Javidan, Division of Neurology



# 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 (until September 2022)
- Lygia Siqueira, Faculty Hires & Promotions Manager (from October 2022)

#### **Committee Members (2022)**

- 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. J Gill, Professor, Nephrology
- Dr. S Gill, Clinical Professor, Endocrinology & Metabolism
- Dr. C Holmes, Clinical Professor, Critical Care
- Dr. S Jaffer, Clinical Professor, Community Internal Medicine
- Dr. P Keown, Professor, Nephrology
- Dr. M Kiaii, Clinical Associate 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. 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, 2022 and December 31, 2022*

#### **Clinical Instructor**

- Addison, Sean - Medicine
- Ahrari, Azin - Rheumatology
- Alizadeh Vakili, Niki - Community Internal Medicine
- Andrew, Peter - Medicine
- Barker, Conor - Palliative Care
- Baumann, Brett - Medicine
- Bollu, Apoorva - Community Internal Medicine
- Clark, Jessica - Geriatric Medicine
- Coyle, John - Geriatric Medicine
- Daniels, Shay-Anne - Infectious Diseases
- Della Siega, Anthony - Cardiology
- Esau, Daniel - Medicine
- Fast, Carla - General Internal Medicine
- Fox, Simon - Medicine
- Fundytus, Adam - Medical Oncology
- Gill, Nichole - Medicine
- Hansen, Sarah - Rheumatology
- Hodgson, Sheryl - Community Internal Medicine
- Hudson, Nancy - Rheumatology
- Hughson, Luke - Community Internal Medicine
- Hurlburt, Andrew - Medicine
- Inayatullah, Raheel - Medicine
- Jalbert Wacholtz, Rochelle - Medicine
- Kaman, Tara - Physical Medicine & Rehabilitation
- Klassen, Jessica - Community Internal Medicine
- Lee, Joseph - Gastroenterology
- Lekontseva, Olga - Neurology



- Lester, Robynn - Geriatric Medicine
- Lockey, Andrew - Medicine
- Luo, Cong - Medicine
- MacDonald, Roderick - Medicine
- MacIsaac, Ryan - Medicine
- Main, Laurie - Medicine
- Malebranche, Mary - Medicine
- Mattie, Dustin - Palliative Care
- McLaughlin, Luke - Infectious Diseases
- Moores, Margaret - Medicine
- Mosca, Stephen - Palliative Care
- Muise, Stephanie - Physical Medicine & Rehabilitation
- Ng, Nicole - Neurology
- O'Malley, Brendan - Medicine
- Otremba, Mirek - Community Internal Medicine
- Porter, Lindsey - Community Internal Medicine
- Reid, Janine - Physical Medicine & Rehabilitation
- Riar, Shivraj - Endocrinology & Metabolism
- Sam, Davis - Endocrinology & Metabolism
- Schwartzenruber, Bennet - Medicine
- Shergill, Simran - Physical Medicine & Rehabilitation
- Song, Hao Yuan - General Internal Medicine
- Stepaniuk, Peter - Allergy & Immunology
- Tan, Julia - Medicine
- Tsai, Amy Po Yu - Respiratory Medicine
- Vohra, Sanjeev - Geriatric Medicine
- Warbrick, Ian - Community Internal Medicine
- Westgeest, Joseph - Palliative Care
- Wilson, Tyler - Community Internal Medicine
- Yang, Grace - Medicine
- Yang, Chengyue - Community Internal Medicine
- Zhang, Chenxi - Geriatric Medicine

#### **Clinical Assistant Professor**

- Bosma, Nicholas - Medical Oncology
- Chahal, Daljeet - Gastroenterology
- Chamberlain, Matthew - Cardiology
- Ghavami, Kimia - Neurology
- Gill, Laura - Neurology
- Gorman, Johnathon - Neurology
- Hannah-Shmouni, Fady - Endocrinology & Metabolism
- Lai, Benjamin - Hematology
- Lau, Hsien Lee - Neurology
- Lee, Andrea - Cardiology

- Liu, Shiru - Medical Oncology
- Maurice Dror, Corrine - Medical Oncology
- Meng, Zhao Wu (Tony) - Gastroenterology
- Ngan, Vincci - Neurology
- Slawnych, Michael - Cardiology
- Soleimani, Maryam - Medical Oncology
- Stubbins, Ryan - Hematology
- Torchinsky, Miriam - Infectious Diseases
- Wade, Stefanie - Rheumatology
- Wan, Darryl - Cardiology
- Wepler, Alison - Medical Oncology
- Wiebe, Darrin - Respiratory Medicine
- Wong, Selina - Medical Oncology
- Young, Courtney - Cardiology
- Zhou, Jiemin - Neurology

#### **Clinical Associate Professor**

- Jayakumar, Saumya - Gastroenterology
- Lee, Adrienne - Hematology
- Mitri, Zahi - Medical Oncology
- Taqui, Bizath - General Internal Medicine
- Turvey, Shannon - Infectious Diseases
- Venner, Christopher - Medical Oncology

#### **Clinical Associate Professor, Emeritus**

- Sullivan, Stephen - Community Internal Medicine

#### **Clinical Professor, Emeritus**

- Beckman, Jeff - Neurology
- Mackie, Iain - General Internal Medicine

#### **Assistant Professor, Tenure Track**

- Johnson, Kate - Medicine
- Leung, Janice - Respiratory Medicine
- Purcell, Sarah - Medicine
- Singh, Anurag - Nephrology
- Zhou, Lily - Neurology

#### **Assistant Professor, Grant Tenure Track**

- Socias, Maria Eugenia - Social Medicine

#### **Affiliate Assistant Professor**

- Cook, Laura - Infectious Diseases
- Koelwyn, Graeme - Cardiology

### **Affiliate Professor**

- Naimi, Timothy - General Internal Medicine
- Padwal, Rajdeep - General Internal Medicine

### **Adjunct Professor**

- Anema, Aranka - Medicine

### **FACULTY PROMOTIONS**

*Effective July 1, 2022*

### **Clinical Assistant Professor**

- Aziz, Mina - Community Internal Medicine
- Ballard, Mark - Community Internal Medicine
- Bohorquez, Anibal - Physical Medicine & Rehabilitation
- Cessford, Tara - Community Internal Medicine
- Chen, Tychicus - Neurology
- Dominelli, Giulio - Respiratory Medicine
- Ham, Hyunjoo (Steve) - General Internal Medicine
- Ho, Meghan - Community Internal Medicine
- Janssen, Renee - General Internal Medicine
- Jaworsky, Denise - Community Internal Medicine
- Khurana, Reena - Endocrinology & Metabolism
- Kwok, Clement - Infectious Diseases
- Lyle, Ngan-Hien - Infectious Diseases
- Maccallum, Caroline - Community Internal Medicine
- Rajala, Jennifer - Cardiology
- Severin, Naomi - Endocrinology & Metabolism
- Sotoudeh Ravan, Hossein - Community Internal Medicine
- Thiara, Shananjit - Critical Care Medicine
- Wong, Alyson - Respiratory Medicine
- Yung, Terence - General Internal Medicine

### **Clinical Associate Professor**

- Bittman, Jesse - General Internal Medicine
- Brunner, Nathan - Cardiology
- Dehghan, Natasha - Rheumatology
- Farah, Myriam - Nephrology
- Finlayson, Heather - Physical Medicine & Rehabilitation
- Fordyce, Christopher - Cardiology
- Kestler, Mary - Infectious Diseases
- Mah, Allison - Infectious Diseases
- Nguyen Reeves, Hien - Allergy & Immunology
- Ridley, Julia - Palliative Care
- Sekhon, Mypinder - Critical Care Medicine

- Staples, John - General Internal Medicine
- Tam, Penny - General Internal Medicine
- Wong, Patrick - Infectious Diseases

### **Clinical Professor**

- Johnston, James - Respiratory Medicine
- Keenan, Sean - Critical Care Medicine

### **Associate Professor, Partner**

- Robillard, Julie - Neurology

### **Associate Professor, Grant Tenure**

- Nygaard, Haakon - Neurology



## EQUITY COMMITTEE

### Chair

- Dr. Diane Lacaille, Professor, Division of Rheumatology

### Members

- Dr. Danya Fast, Division of Social Medicine
- Dr. Nadia Khan, Division of General Internal Medicine
- Dr. Heather Leitch, Division of Hematology
- Dr. Yvette Leung, Division of Gastroenterology
- Dr. Graydon Meneilly, Division of Geriatric Medicine
- Dr. Anita Palepu, DOM Department Head
- Dr. Andrea Townson, DOM Associate Head Education
- 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, Division of Social Medicine
- Dr. John Mancini, Division of Cardiology
- Dr. Graydon Meneilly, Division of Geriatric Medicine
- Dr. Anita Palepu, DOM Department Head

### Administrative Support

- Ana Sial, Faculty Hires & Promotions Manager (until September 2022)
- Lygia Siqueira, Faculty Hires & Promotions Manager (from October 2022)

### 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 2022:

- 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. Jag Gill – Nephrology, 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. Andrew Krahn – Cardiology, Department of Medicine
- 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
- Dr. Tricia Tang – Endocrinology & Metabolism, Department of Medicine



## POSTGRADUATE RESIDENCY PROGRAM 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. Laura Kuyper
- Dr. Tristen Gilchrist
- Dr. Gerald Da Roza
- Dr. Barry Chan
- Dr. Jasmine Kerr
- Dr. Luke Hughson
- Dr. Laura Fraser

### Subspecialty Representative

- Dr. Jordanna Kapeluto

### Associate Head, Education

- Dr. Andrea Townson

### Undergraduate Representative

- Dr. Harpinder Nagi

### Lead Medical Residents

- Dr. Robert Yao
- Dr. Alex Mezei
- Dr. Carmen Wong
- Dr. Teresa Tai
- Dr. Sabina Freiman
- Dr. Jung-In Choi
- Dr. Nicholas Slater

- Dr. Robin Busby

### Class Representatives

- Dr. Dawson Born
- Dr. Alexandra Bohm
- Dr. Harjot Bedi
- Dr. Valeriya Zaborska
- Dr. Karl Yared
- Dr. Laura Kim
- Dr. Simon Li

### Administrative Support

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

### Reports to

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

### Function

The Core Internal Medicine Postgraduate Residency Program Committee 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 Lead 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. Anita Palepu, DOM Department Head

### Members

- Dr. Ed Conway, Division of Hematology
- Dr. Sharlene Gill, Director DOM Mentoring Advisory Committee
- Dr. Adeera Levin, Division of Nephrology
- Dr. Graydon Meneilly, Division of Geriatric Medicine
- Dr. Andrea Townson, DOM Associate Head Education
- Dr. Teresa Tsang, DOM Associate Head Research
- Amanda Milord, Human Resources Manager

### Administrative Support

- Ana Sial, Faculty Hires & Promotions Manager (until September 2022)
- Lygia Siqueira, Faculty Hires & Promotions Manager (from October 2022)

### 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.



## SPACE COMMITTEE

### Chair

- Mary Liu, Director of Administration

### Elected Members

- Dr. Kathleen Deering, Division of Social Medicine
- Dr. Agnes Lee, Division of Hematology
- Dr. David Moore, Division of Infectious Diseases
- Marilyn Robertson, Division Administrator, Cardiology
- Yvonne Ng, Division Administrator, Neurology

### Appointed Members

- Stephen Arentsen, Senior Planner, FOM Space Planning & Facilities Management
- Laurie Golding, Office and Communications Manager
- Mary Liu, Director of Administration

### Appointment Process:

- Elected members are appointed through nomination by another departmental member or self-nomination and voted on by departmental members
- Appointed members are members by virtue of their administrative position

### Reports To

- Department Head, UBC Department of Medicine

### Function

The Department of Medicine's Space Committee is a representative of department members, elected and appointed, who make recommendations to the Head of the Department of Medicine regarding outstanding disputes related to academic space usage within the Department of Medicine and its divisions.

The Space Committee's recommendations are based on the Faculty of Medicine's Academic Administrative Space Allocation and Management Policy and Academic Research Space Allocation and Management Policy.

While UBC Division Heads provide input and suggestions, the authority to make decisions in relation to academic space usage within the Department of Medicine's academic space allocation is held by the Head.

The committee will meet to:

- Review outstanding disputes within the Department of Medicine and its divisions related to academic space within the Department of Medicine's academic space allocation.
- Discuss significant upcoming space requirements within the Department of Medicine as a whole and to plan accordingly based on available academic space within the academic space assessable to the Department of Medicine.
- Review serious concerns related to space overseen and managed by the Health Authorities that impacts the Department of Medicine and its divisions. The Space Committee may recommend that the Head bring forward the concerns to the Faculty of Medicine's Space Planning and Facilities Management Team via the Faculty of Medicine's Space Planner.
- Provide recommendations to the Head in relation to resolving the outstanding academic space disputes. Recommendations are to be based on the Faculty of Medicine's Academic Administrative Space Allocation and Management Policy and Academic Research Space Allocation and Management Policy.
- The Head will consult with the Space Committee as needed before making a final recommendation to the Faculty of Medicine's Space Planning and Facilities Team.
- The Chair of the Space Committee will advise the departmental members impacted of the Head's final recommendation to the Faculty of Medicine's Space Planning and Facilities Team.

The committee meets on an ad hoc basis.



## 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)
  - IMP: Dr. Laura Fraser
  - NMP: Dr. Fareen Din
  - SMP: Dr. Gina Polley, Dr. Kathryn Scobie
  - VFMP Vancouver General Hospital: Dr. Sharmistha Das
  - VFMP St. Paul's Hospital: Dr. Debbie Rosenbaum
  - VFMP Royal Columbian Hospital: Dr. Erin Blake
  - VFMP Surrey Memorial Hospital: Dr. Michael Chapman
- All site Ambulatory Leads
  - Vancouver General Hospital: Dr. Aman Nijjar, Dr. Natasha Qureshi
  - St. Paul's Hospital: Dr. Renee Janssen
  - Surrey Memorial Hospital: Dr. Yazdan Mirzanejad
- Student representatives for Year 3 at each site
  - IMP: Taylor Sidhu
  - NMP: Aldea Wood
  - SMP: Tushar Dave
  - VFMP: Bianca Zaidel
- Student representatives for Year 4 at each site
  - IMP: Sophia Gardezy
  - NMP: Connor Arduini
  - SMP: Marisa Levesque
  - VFMP: Alessandro Cau
- 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**

*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**

*Canada Research Chair in Occupational and Environmental Lung Disease*

Dr. Carlsten's research aims to better prevent and treat lung disease by understanding the effects of inhaled pollutants on the lungs and to develop laboratory methods best suited to address evolving questions in aerosol science and public health, and identify factors that modify how air pollution damages airways.

#### **Dr. Ed Conway, Division of Hematology**

*Canada Research Chair in Endothelial Cell Biology*

Dr. Conway uses molecular biology and genetics approaches to identify and examine the diverse protective properties of vascular endothelial cells and the roles they play in health and disease. This research will identify how defective endothelial cells function, leading to new preventative and therapeutic strategies for many vascular diseases.

#### **Dr. Janice Leung, Division of Respiratory Medicine**

*Canada Research Chair in Translational Airway Biology*

Dr. Leung's research focuses on the intersection between infection and chronic lung disease (COPD). By integrating microbiome sequencing and host cellular responses, her team can characterize the relationship between dysbiosis and COPD. This research will identify new genes and microbial targets, leading to new treatments that may stop disease from progressing.

#### **Dr. Kate Shannon, Division of Social Medicine**

*Canada Research Chair in Global Sexual Health and HIV/AIDS*

Dr. Shannon's research investigates the complex social and structural drivers of sexual health and HIV/STI prevention, treatment and care among women, gender and sexual minority populations in Canada and globally. This research aims to promote sexual health and reduce inequities in HIV prevention, treatment and care among marginalized populations living with and affected by HIV.

#### **Dr. Don Sin, Division of Respiratory Medicine**

*Canada Research Chair in Chronic Obstructive Pulmonary Disease (COPD)*

Dr. Sin is studying the societal and personal impact of chronic obstructive lung disease, specifically the role of inhaled corticosteroids in the treatment of chronic obstructive pulmonary disease (COPD) and the link between COPD and heart disease. The goal of this research is to develop biomarkers of disease activity that can be used to target the right therapies to the right patients with chronic obstructive pulmonary disease (COPD), and thereby enable precision medicine.

#### **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. This research will improve strategies to address health issues stemming from poverty, mental illness and drug addiction.

## ENDOWED CHAIRS

### **Dr. Jason Barton, Division of Neurology**

*Marianne Koerner Chair in Brain Diseases*

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. 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**

*John Nichol 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 and 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. 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. Christopher Carlsten, Division of Respiratory Medicine**

*AstraZeneca Chair in Occupational and Environmental Lung Disease*

Dr. Carlsten's research aims to better prevent and treat lung disease by understanding the effects of inhaled pollutants on the lungs and to develop laboratory methods best suited to address evolving questions in aerosol science and public health, and identify factors that modify how air pollution damages airways.

### **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. Robin Hsiung, Division of Neurology**

*Ralph Fisher and Alzheimer Society of B.C. Professorship in Alzheimer Disease Research*

Dr. Hsiung's research has led to the discovery of genetic risks associated with Alzheimer Disease and Frontotemporal Dementia, and development of biomarkers and clinical assessment tools to recognize the earliest phases of dementia. Dr. Hsiung provides leadership on clinical trials that investigate cutting-edge therapies for the disease at various stages. His work is focused on understanding the neurological basis of cognition and the pathological mechanisms leading to dementia.

### **Dr. Seonaid Nolan, Division of Social Medicine**

*Steven Diamond Professorship in Addiction Care Innovation*

Dr. Nolan's research interests and expertise include substance use and harms in marginalized and underserved populations, interrelationships between substance use and HIV/HCV, and improving access and utilization of health care services among substance-using populations.

## 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.

# department of medicine

## AWARDS & SIGNIFICANT HONOURS

### UBC DEPARTMENT OF MEDICINE AWARDS

#### **Donald M. Whitelaw Award for Outstanding Grand Rounds Presentation**

SPH - Dr. Natasha Press (Infectious Diseases)

VGH - Dr. Jonathan Loree (Medical Oncology)

#### **Fay R. Dirks Award for Excellence in Teaching**

SPH - Dr. Marc Deyell (Cardiology)

VGH - Dr. Sharmistha Das (General Internal Medicine)

#### **PHC Graeme Copland Clinician Teacher Award**

SPH - Dr. James Tessaro (General Internal Medicine)

#### **Martin M. Hoffman Award for Excellence in Research**

SPH - Dr. Gordon Francis (Endocrinology & Metabolism)

VGH - Dr. Agnes Lee (Hematology)

#### **PHC St. Paul's Hospital Faculty Research Award**

SPH - Dr. Janice Leung (Respiratory Medicine)

#### **UBC Master Teacher Award**

SPH - Dr. Krish Ramanathan (Cardiology)

VGH - Dr. Kevin Eva (General Internal Medicine)

#### **PHC Howard B. Stein Master Teacher Award**

SPH - Dr. Barry Chan (General Internal Medicine)

#### **Graydon Meneilly Award for Excellence in Mentoring**

VGH - Dr. Diane Lacaille (Rheumatology)

#### **Teaching Excellence - Special Recognition**

Dr. Pippa Hawley (Palliative Care)

Dr. Neil Cashman (Neurology)

Dr. Richard Cohen (Respiratory Medicine)

Dr. Vincent Duronio (Respiratory Medicine)

Dr. Iain Mackie (General Internal Medicine)

Dr. Phillip Malpass (Community Internal Medicine)

Dr. Neil Reiner (Infectious Diseases)

Dr. Jim Spence (Community Internal Medicine)

#### **CUPE 2950 Staff Award of Excellence**

Kelsie Atwater, Administrative Assistant to the Department Head  
(Department of Medicine)

#### **Staff Award for Early Career Excellence**

Anam Sial, Faculty Hires & Promotions Manager (Department of Medicine)

#### **Staff Award for Equity, Diversity, and Inclusion Advancement**

Dr. A.J. Lowik, Gender Equity Advisor (Social Medicine)

#### **Staff Award for Career Excellence**

Yvonne Ng, Division Administrator (Neurology)

### UBC FACULTY OF MEDICINE AWARDS

#### **Academic Gowns**

##### **Promotions**

Dr. Monica Beaulieu (Nephrology)

Dr. Hannah Briemberg (Neurology)

Dr. Kristine Chapman (Neurology)

Dr. Michael Copland (Nephrology)

Dr. Gerald Da Roza (Nephrology)

Dr. Jasmine Grewal (Cardiology)

Dr. Shannon Jackson (Hematology)

Dr. Kenneth Madden (Geriatric Medicine)

Dr. Yazdan Mirzanejad (Infectious Diseases)

Dr. Christopher Ryerson (Respiratory Medicine)

##### **Emeriti**

Dr. Jeff Beckman, Emeriti (Neurology)

Mary Doyle-Waters, Emeriti (Medicine)

Dr. Vincent Duronio, Emeriti (Respiratory Medicine)

Dr. Neil Reiner, Emeriti (Infectious Diseases)

Dr. Stephen Sullivan, Emeriti (Gastroenterology)

Dr. H.C. George Wong, Emeriti (Allergy & Immunology)

**Applegarth Staff Service Award**

Nakta Jahromi (Respiratory Medicine)

**Clinical Faculty Award for Excellence in Clinical Teaching (Early Career)**

Dr. Scott Apperley (Respiratory Medicine)

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

Dr. Melanie Murray (Infectious Diseases)

**Dean's Staff Award for Creativity/Innovation**

Vishaldeep Sidhu (Cardiology)

**Distinguished Achievement Award for Excellence in Basic Science Research**

Dr. Zachary Laksman (Cardiology - joint appointment in School of Biomedical Engineering)

**Distinguished Achievement Award for Excellence in Education**

Dr. Rose Hatala (General Internal Medicine)

**Distinguished Achievement Award for Overall Excellence Early Career**

Dr. Nadia Fairbairn (Social Medicine)

**Distinguished Achievement Award for Overall Excellence Mid Career**

Dr. Liam Brunham (General Internal Medicine)

**Distinguished University Scholar**

Dr. Judy Illes (Neurology)

Dr. Kathleen Martin-Ginis (Physical Medicine & Rehabilitation)

Dr. Yu Tian Wang (Neurology)

**Alumni UBC Builder Award**

Dr. John Cairns (Cardiology)

Dr. Cheryl Holmes (Critical Care Medicine)

**Postgraduate Medical Education, Outstanding Contribution Award**

Dr. Adam Peets (Critical Care Medicine)

**EXTERNAL AWARDS AND HONOURS****BC Business 2022 Women of the Year: Change Maker Award**

Dr. Brittany Bingham (Social Medicine)

**Canadian Academy of Health Sciences (CAHS) Fellows**

Dr. Kathleen Martin-Ginis (Physical Medicine & Rehabilitation)

Dr. Julio Montaner (Infectious Diseases)

**CAME Certificate of Merit**

Dr. Andrea Townson (Physical Medicine & Rehabilitation)

**Canadian Association of Physical Medicine & Rehabilitation (CAPMR) Meridith Marks Award for Excellence in Education**

Dr. Rajiv Reebye (Physical Medicine & Rehabilitation)

**Canadian Cardiovascular Society Academy (CCSA) Distinguished Teacher/Mentor Award**

Dr. Andrew Krahn (Cardiology)

**Canadian Cardiovascular Society Academy (CCSA) Kerr Award**

Dr. Miles Marchand (Cardiology)

**Canadian Foundation for AIDS Research Leadership Award**

Dr. Kate Shannon (Social Medicine)

**Canadian Foundation for Infectious Diseases Juan A. Embil Trainee Award for Excellence in Infectious Diseases Research**

Dr. Jennifer Losie (Infectious Diseases)

**Canadian Geriatrics Society (CGS) Fellow**

Dr. Roger Wong (Geriatric Medicine)

**Canadian Society of Endocrinology & Metabolism (CSEM) Dr. Harvey Guyda Educator of the Year Award**

Dr. Brea Paty (Endocrinology & Metabolism)

**CIHR Spring 2022 Project Grant Competition (\$5.1M)**

Dr. Teresa Tsang, Dr. Michael Tsang (Cardiology)

Drs. Jade Boyd, Danya Fast, Thomas Kerr, Rod Knight, Andrea Krüsi, Ryan McNeil (Social Medicine)

Dr. Chris Carlsten (Respiratory Medicine)

Dr. Thalia Field (Neurology)

Dr. John Staples (General Internal Medicine)

Dr. Anna Tinker (Medical Oncology)

**CIHR Fall 2022 Project Grant Competition (\$3.2M)**

Drs. Danya Fast, Cheyenne Johnson, Rod Knight, Seonaid Nolan (Social Medicine)

Drs. David Moore, Mark Hull (Social Medicine), Troy Grennan, Viviane D Lima (Infectious Diseases)

Drs. Andrei Krassioukov, Matthias Walter (Physical Medicine & Rehabilitation)

Drs. Ken Madden, Naaz Parmar (Geriatric Medicine)

Priority Announcement Dr. Ted Steiner (Infectious Diseases)

**Cystic Fibrosis Canada Recognized Investigator Award**

Dr. Bradley Quon (Respiratory Medicine)

**Cystic Fibrosis Canada Robbie Award**

Dr. Bradley Quon (Respiratory Medicine)

**Italian Society for Neuroethics Award**

Dr. Judy Illes (Neurology)

**Juvenile Diabetes Research Fund - Brain Canada Addressing Mental Health in Type 1 Diabetes Team Grant**

Dr. Tricia Tang (Endocrinology & Metabolism)

**Karolinska Institutet Prize for Research in Medical Education**

Dr. Kevin Eva (General Internal Medicine)

**Order of Canada**

Dr. Allen Eaves (Hematology)

**Health Innovation Investment Funding (HIFI) Awards**

Dr. Diane Villanyi (Geriatric Medicine)

Dr. Robin Hsiung (Neurology)

**Medical Undergraduate Society Teaching Excellence Award**

Dr. Graham Wong (Cardiology)

**MSHRBC Convening & Collaborating (C2C) Program Award**

Dr. David Patrick (Infectious Diseases)

Dr. Stephen Chia (Medical Oncology)

**MSHRBC Health Professional-Investigator (HP-I) Award**

Dr. Michael Berger (Physical Medicine & Rehabilitation)

Dr. Emily Brigham (Respiratory Medicine)

Dr. Yvette Drew (Medical Oncology)

Dr. Jasmine Grewal (Cardiology)

Dr. Renelle Myers (Respiratory Medicine)

Dr. Steven Reynolds (Critical Care Medicine)

**MSHRBC Reach Awards**

Dr. Liam Brunham (General Internal Medicine)

**MSHRBC Scholar Award**

Dr. Brittany Bingham (Social Medicine)

Dr. Stephanie Sellers (Cardiology)

**Northwest Association for Biomedical Research Award**

Dr. Judy Illes (Neurology)

**Providence Research Carraresi Early Career Clinician Investigator Award**

Dr. Alyson Wong (Respiratory Medicine)

**Society of General Internal Medicine of BC Leadership Award**

Dr. Mark Ballard and Dr. Shahin Jaffer (Community Internal Medicine)

**The Medical Post Innovative Practice Award**

Dr. Ali Zentner (Community Internal Medicine)

**VCHRI Investigator Award**

Dr. Sonny Thiara (Critical Care Medicine)

Dr. Karen Tran (General Internal Medicine)

Dr. Darwin Yeung (Cardiology)

**VCHRI Innovation & Translational Research Award**

Dr. Kenneth Madden (Geriatric Medicine)

Dr. Mypinder Sekhon (Critical Care Medicine)

Dr. John Boyd (Critical Care Medicine)

**VMDAS Clinical Excellence Award**

Dr. Thomas Nevill (Hematology)

**VMDAS Scientific Achievement Award**

Dr. Najib Ayas (Critical Care Medicine/Respiratory Medicine)

**VMDAS Bringing Clinical Renown to Vancouver Community of Care Award**

Dr. David Thompson (Endocrinology & Metabolism)

**World Marrow Donor Association President-Elect**

Dr. Matthew Seftel (Hematology)





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. Kari-Jean McKenzie, 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
- Dr. Marla McKnight, Lead, Global Health Equity

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 4<sup>th</sup> year, with the first CBD cohort entering the transition to practice stage in the PGY4 year
- Continued successful hybrid delivery of academic curriculum
- 38<sup>th</sup> Annual Resident Research Day was delivered in May 2022, in person for the first time since 2019. The event was held at UBC Robson Square and was very well attended and featured both podium and poster presentations. There was a follow-up presentation of Research Day Awards held on an evening in June at the Vancouver Aquarium
- PGY1 Boot Camp was successfully delivered in-person - inclusive of Ultrasound and Procedures curriculum
- Virtual CaRMS interviews continued in 2022
- International Health Elective in Rwanda continued to be on hold due to COVID-19. To be resumed in 2023 health and safety permitting
- Undergraduate Clerkships continued uninterrupted with safety protocols in effect; visiting students accepted starting mid-year with UBC Year4 students approved for a limited number of Out of Country electives effective October 2022; Out of Province still on hold



- Class of 2024 Year 3 students began clerkship on June 6, 2022 returning to pre-pandemic norms of 12 week blocks Block 1 through 4
- Class of 2023 Year 4 students began clinical electives on July 4, 2022
- IM Ambulatory rotations resumed their pre-pandemic norm of two weeks on June 6, 2022. The integration of Dermatology/Ophthalmology AHD into the ambulatory 4-week rotation continued

### 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
- 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
- Course MEDI 504 A and B successfully delivered in two terms in 2022

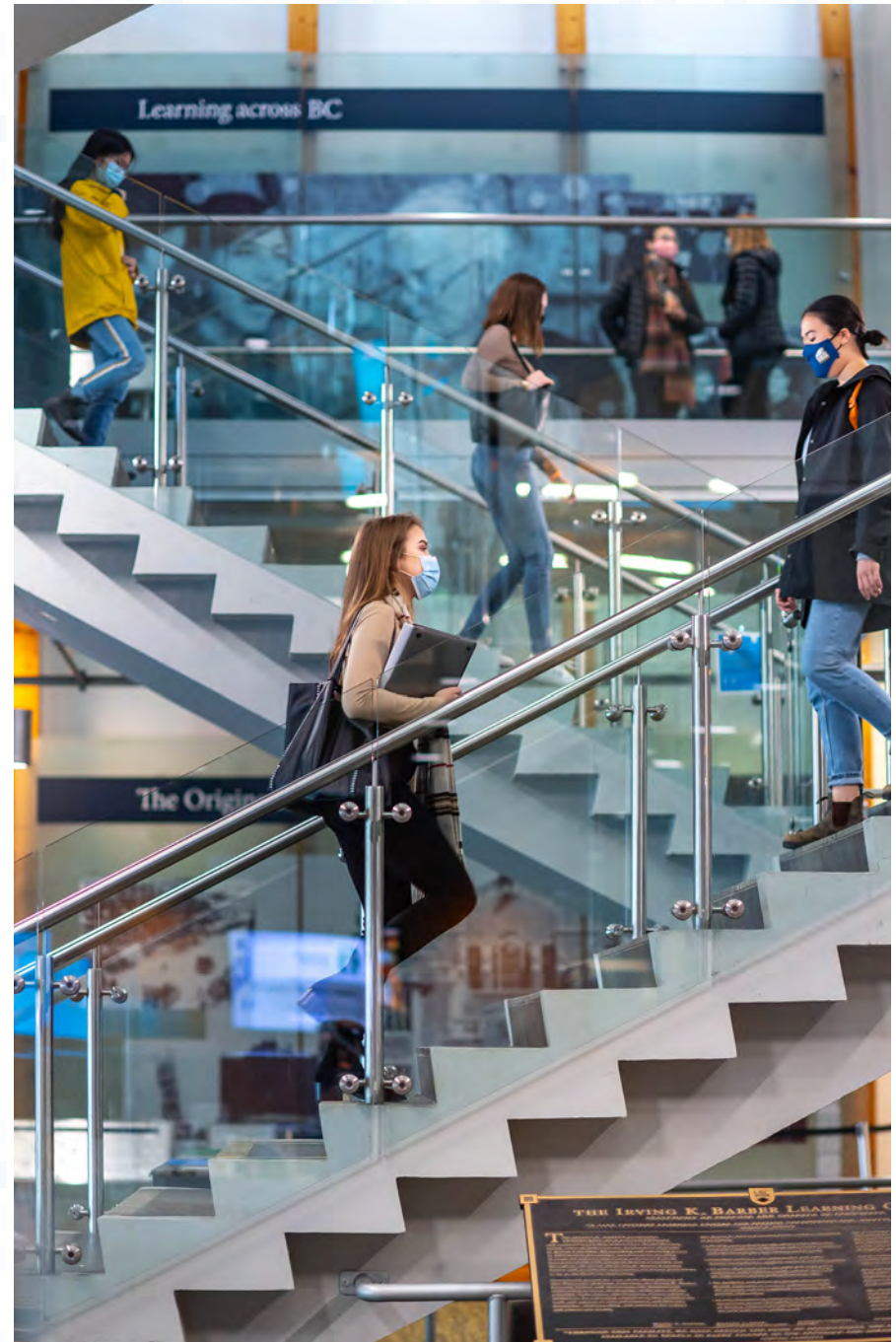
### Scholarship Promotion

- 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

The office of education will continue to support Faculty development and scholarly opportunities across the divisions and will 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
- Proposal to pilot in 2023; change to a combination of one-week of mixed subspecialty clinics and one-week Geriatric clinics/self-study modules

### 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 including the addition of Opioid Crisis modules

### Curriculum response post COVID-19

- Academic Half Day curriculum delivery method and format revised to a hybrid approach encouraging in person attendance at the host speaker site

## POSTGRADUATE EDUCATION PROGRAM

### Competency Based Education

- Attended annual meeting of the Canadian Association of Internal Medicine Program Directors (CAIMPD) held virtually in May 2022, 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 fourth year, the initial Competence Committee assumed responsibility for tracking progress of the PGY1, PGY3 and now PGY4 classes. The newly formed 2nd Competence Committee continued to review the PGY2 class through the first year of their Core of Training phase
- 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

- Continued with the Academic Half Day format of PGY1 Didactic Lecture Series and Senior Resident Sessions, delivered in a hybrid format in person and online with protected time for PGY2 and PGY3 study groups to meet
- Virtual delivery of communication simulation sessions, OSCEs, and ACP examination
- Continued a 1-week orientation session for Core PGY4 residents, including academic, simulation, and quality improvement sessions
- Continued 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
- Continuation of virtual Global Health case rounds presentations with University of Rwanda medical residents

### Events

- Resident Research Day – May 18, 2022

## FUTURE DIRECTIONS

### Undergraduate Education

Continue to support the implementation of improvements to the curricular map and content delivery specifically focused on areas of improvement identified in the recent rotation and Learning Environment reports. 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.

- 213 students enrolled in the program
- 20 master's students successfully defended their theses
- 18 doctoral students successfully defended their theses
- 17 students published first-author papers
- 21 students presented their projects at conferences

### HIGHLIGHTS

A new Experimental Medicine Program Executive Committee was established with 17 representatives. In addition to establishing a new Executive Committee, three 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 2, 2022. The 2022 program featured faculty keynote addresses from Dr. Gordon Francis (Endocrinology), Dr. Darwin Yeung (Cardiology), Dr. Aline Talhouk (Department of Obstetrics and Gynecology), and Dr. Lianping Ti (Social Medicine).

### CURRICULUM

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 continued to be delivered in the Fall of 2022. In January 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

- 11 master's students (J. Chan, M. Leung, O. Partrick, A. Wu, M. Chan, C. Ghesquiere, H. Gill, R. McCallum, M. Sandhu, T. Kalimullina, B. Nelson) were offered CIHR Canadian Graduate Scholarships Master's (CGS M)
- 1 student (J. Duffy) received NSERC Canadian Graduate Scholarships Master's (CGS M)
- 6 students (C. Eekhoudt, H. Kincross, X. Zhai, E. Espín, Q. Boyle, L.T. Ramos) received four-year doctoral fellowships
- 1 student (N. Daftarian) received a Vanier Scholarship
- 3 students (N. Daftarian, T. Khosravi-Hafshejani, J. Kim) received UBC Spring Graduate Awards
- 16 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, Research Manager  
Diane Kim, Research Coordinator

### OVERVIEW

The Research Office supported the research activities for our faculty and acted as the focal point for departmental research approvals, grant development, internal application coordination for major funding programs, and medicine rounds for the 1000 clinical and academic faculty. Fewer than 15% of our faculty members are in the academic track, yet over 60% of our members are actively publishing their research on an annual basis, demonstrating the prolific contributions of our clinical faculty members towards the research landscape in the department. Our department members remain recognized leaders in endocrinology, social medicine, cardiology, respiratory medicine, neurology, and infectious diseases.

### HIGHLIGHTS

**Newsletter:** The Research Office creates the weekly departmental newsletter, which is distributed on Mondays to our faculty, staff, and trainees. This helps our community stay connected and informed about the latest news and opportunities from UBC and our partner organizations.

**Data Science and Health (DASH) Initiative:** The DASH Research Excellence Cluster was launched in 2021 under the leadership of Drs. Anita Palepu and Teresa Tsang. DASH aims to:

- Inventory existing health data assets at UBC and partner organizations
- Improve researchers' access to health data
- Promote data analytics
- Enhance the community's literacy around data science and its healthcare applications

In 2022, the DASH team was awarded a FOM Strategic Investment Fund grant to advance work in the area of health data analytics and data access. DASH developed a new educational partnership with the UBC Data Science Institute and the Provincial Health Services Authority. It led the development of a new course in Experimental Medicine (MEDI504A/B) focused on data science methods and applications in health research. DASH established a 1-year partnership with PopdataBC to improve researcher access to health data. The DASH cluster became a member of the Temerty Centre for Artificial Intelligence Research and Education in Medicine (T-CAIREM) at the University of Toronto, and Dr. Anita Palepu joined the T-CAIREM Education sub-committee, which is working on developing education programs in applied artificial intelligence for medical and health science professionals.

### 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 2, 2022*
- DASH Invited Lecture Series - *January 19, 2022 & January 21, 2022*

## FUNDING

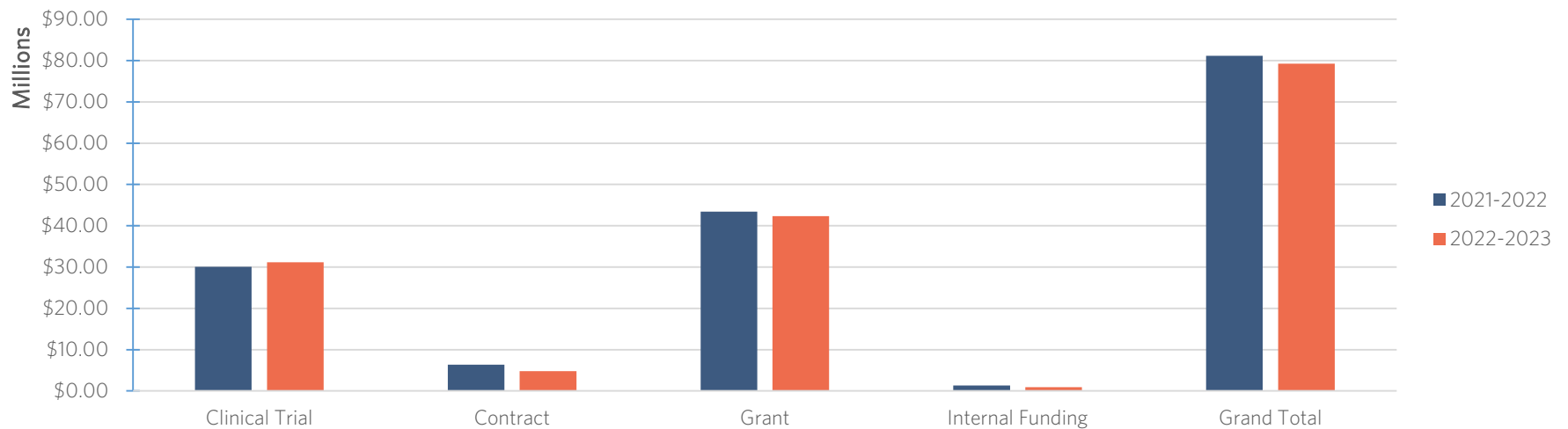
In 2022, our faculty secured research funding totalling \$79 million. Of this, over \$42 million was awarded through competitive grants. Clinical trials brought in an additional \$31 million, and contracts contributed nearly \$5 million to our research funding. Additionally, \$1 million in internal UBC funding was secured to further research initiatives.

2022 saw increases in clinical trial and salary award funding, with 11 Department of Medicine faculty receiving 11 salary awards.

### Funding and Award Summary (ALL DOM Faculty):

	2021-2022	2022-2023
Clinical Trial	\$30,042,801.69	\$31,173,856.63
Contract	\$6,348,362.77	\$4,775,223.01
Grant	\$43,444,408.59	\$42,347,458.00
Internal Funding	\$1,308,584.32	\$932,219.95
Salary Award	\$3,627,083.00	\$4,507,501.00
Grand Total	\$81,144,157.37	\$79,228,757.59
MSFHR Scholar Awards	2	2
MSFHR HP-I Awards	4	6
VCHRI Investigator Awards	2	3

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



## PUBLICATIONS

Our faculty members are consistently academically productive, with an average rate of 1500 papers per year. In 2022, they collectively published 1,721 scholarly papers.

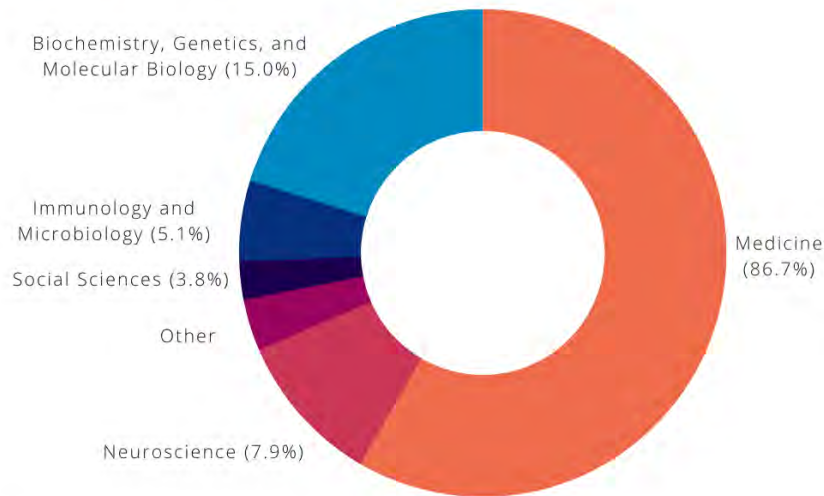
These papers were well-received, with 8,997 new citations and an average of 5.2 citations per publication. Furthermore, a noteworthy 18% of these works fell within the top 10% of citation percentiles by field-weighted metrics, demonstrating their impact. Additionally, 35.7% of their publications ranked within the top 10% by CiteScore percentile, highlighting their presence in top-tier journals.

Embracing the spirit of open access, 66.5% of these literary works were published in open-access journals, making research findings widely accessible.

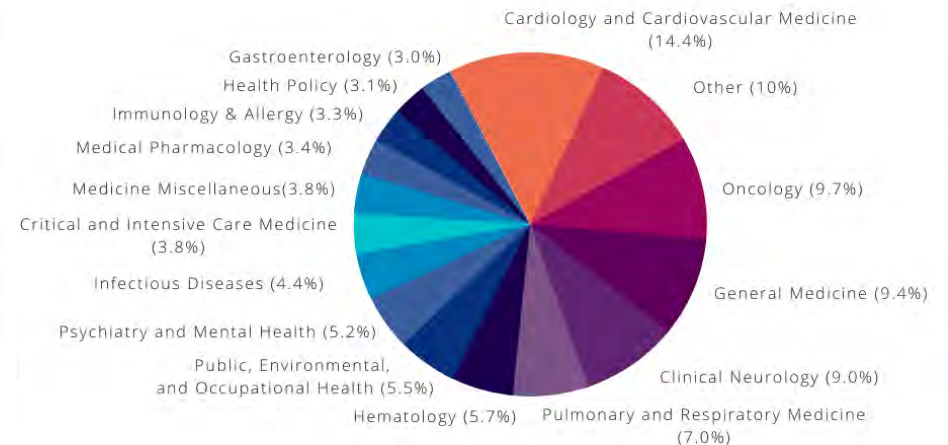
These achievements reflect the dedication and excellence of our faculty and their commitment to advancing knowledge and making it accessible to a broad audience.

Publication Metrics	2022
Scholarly Output	1721
Citations	8997
Field-Weighted Citation Impact	2.19
Outputs in Top Citation Percentiles (top 10%, field-weighted)	18.00%
Publications in Top Journals Percentiles (top 10% by CiteScore)	35.70%
Citations per Publication	5.2

### Publication Subject Areas 2022:



### Publications in Medicine Subspecialties 2022:



\*segment size represents relative publication share per subject area. A publication can be mapped to multiple subject areas



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'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 of some of these conditions at the provincial, national, and international levels.

Over the past decade, the division has experienced a significant increase in membership, with 20 members currently on board. This growth is largely attributed to establishing the UBC Clinical Immunology and Allergy fellowship program in 2012. For years, the division has been committed to offering clinical care throughout the province, with a particular emphasis on St. Paul's Hospital. Several faculty members have joined Vancouver General Hospital, where our specialty is now providing multidisciplinary care for respiratory disease and perioperative anaphylaxis. Division members also provide care at community hospitals in the Lower Mainland, Vancouver Island, and the Okanagan. Additionally, Dr. Pourshahnazari offers outreach services on Haida Gwaii, and Dr. Kanani supports Northern Health. Division members are involved in research spanning primary immune deficiency, hereditary angioedema, vaccine allergy, drug allergy, food allergy, and respiratory diseases.



## KEY SUCCESSES

- Dr. Hien Reeves was given a grant from CSL Behring to support research in immunodeficiency and Hereditary Angioedema
- Continue to provide Undergraduate Medical Education through the Internal medicine allergy/immunology elective headed by Dr. Siobhan Perkins
- Establishment of the Primary Immunodeficiency Transition Clinic and Aspirin Desensitization Clinic at St. Paul's Hospital

## FACULTY MEMBERS

Clinical Associate Professors	2
Clinical Assistant Professors	4
Associate Members	1
Clinical Instructors	12
Emeriti	2

## KEY CHALLENGES



- Clinical Immunology and Allergy has been predominantly an outpatient, non-hospital-based practice. In-hospital specialized clinics are required for complex conditions, and we are currently engaged in ensuring such clinics can be maintained.
- Continue to engage new Division members to explore research opportunities
- Engage with other divisions to provide care to patients with complex conditions

## MAJOR ACHIEVEMENTS

- Dr. Juan Ruiz won the Department of Medicine Incubator grant for the AERD Clinic

## EDUCATION

UBC Education Program Directors:



Kateryna Vostretsova, PGME Director



Siobhan Perkins, UGME Director

Number of subspecialty Training program residents:

- 3 Residents

## RESEARCH

UBC Research Funding/Grants: \$195K

Number of publications: 11

Division of Allergy & Immunology faculty members engage in a wide range of research endeavors. Below is a list of divisional faculty members and their respective areas of research interest.

- Dr. Juan Ruiz - Perioperative anaphylaxis, chronic rhinosinusitis, Aspirin exacerbated respiratory disease
- Dr. Raymond Mak - Penicillin delabeling, adverse drug reactions, food allergy
- Dr. Persia Pourshahnazari - Primary immunodeficiency
- Dr. Amin Kanani - Hereditary angioedema, primary immunodeficiency, and cannabis allergy

## CLINICAL HIGHLIGHTS

The division continues to develop long-term clinics to care for complex patients. Drs. Persia Pourshahnazari and Catherine Biggs have developed a clinic to transition primary immune deficiency patients from pediatric to adult care and manage complex adult patients. Dr. Juan Ruiz has collaborated with otolaryngologists at St. Paul's Hospital to establish aspirin desensitization and the BC complex combined airway clinic.

Dr. Raymond Mak continues to work with Dermatology and Clinical Pharmacology at the Medsafe Clinic. Dr. Mak has been involved with penicillin delabeling at BC Women's Hospital. Many division members provide inpatient consultation at St. Paul's Hospital and Vancouver General Hospital. They are also involved with the penicillin delabeling Program and 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. Kanani is working with PHSA on the Hereditary angioedema steering committee.

The UBC Division of Allergy & Immunology 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 is affiliated with several professional associations including the Royal College of Physicians of Canada, the Canadian Cardiovascular Society, and the Heart Rhythm Society. He is past President of the Canadian Cardiovascular Society, and President of the Heart Rhythm Society. He is the Paul Brunes Chair in Heart Rhythm Disorders.

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). The division has recruited 24 individuals over the last 11 years, with a primary focus on academic excellence in conjunction with high clinical standards. 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](#)). In 2022, the division began to focus on its relationships with members around the province, with the goal of improving communication and inclusiveness with those outside of the Vancouver sites.



## KEY SUCCESSES

- Advancing the newly formed academic virtual heart institute
- National leadership with the second largest postgraduate specialty training program in Canada
- Research productivity with respect to funding and publications
- Collegial integrated multisite clinical and academic activities
- Investing in itself with the Cardiology Academic Partnership Plan



## KEY CHALLENGES

- Forge a sustainable integrated clinical practice plan (supported by MoH and Faculty)
- Develop a more patient centered integrated clinical delivery system with research embedded in most encounters
- Formalize EDI processes and enable Physician wellness supports
- Reinvigorate its mentorship program

## FACULTY MEMBERS

Professors	5
Clinical Professors	12
Clinical Associate Professors	27
Assistant Professors	2
Clinical Assistant Professors	59
Adjunct Professors	1
Affiliate Assistant Professors	2
Clinical Instructors	24
Emeriti	8

## MAJOR ACHIEVEMENTS

The division has seen immense growth and success in its recruitment efforts over the last 10 years, “paying off” with leadership in research, involvement and leadership in national and international guidelines, and national member organization leadership. Dr. Krahn completed his term and past President of the Canadian Cardiovascular Society, Sean Virani transitioned from Treasurer to Vice President, and Margot Davis was named to the Board of Director as the Western Canada representative. CCI has gained immense momentum and now has 11 employees, 47 researchers and is truly provincial in its scope, with an indirect goal of connecting the largely Health Authority oriented culture of the academic sites in the Province.

## EDUCATION

### UBC Education Program Directors:

- Mustafa Toma, Education Director
- Parvathy Nair, CBME Lead
- Michael Slawnych, UGME Director
- Graham Wong, PGME Director
- Annie Chou, Associate PGME Director
- Annamaria Oliveri, Senior Program Assistant

The UBC Adult Cardiology Training Program is fully accredited by the Royal College of Physicians and Surgeons of Canada through to 2028. It is the second largest cardiology training program in Canada and presently has 17 cardiology residents (7 in first year, 4 in second year and 6 in third year). The Program fully transitioned to a Competency by Design curriculum.

The Program continues to be highly successful academically. All of the graduating residents from the last academic year were successful at the Fall 2022 RCPSC cardiology exams and all were successful at obtaining subspecialty fellowships. The current third year residents have all also been successful at obtaining subspecialty fellowships (UBC Critical Care, UBC Interventional Cardiology, University of Toronto Critical Care, Stanford Echocardiography, Emory High Risk Coronary Intervention, Harvard Adult Congenital Heart Disease)

## RESEARCH

UBC Research Funding/Grants: \$3.8 million  
Number of publications: 278

The UBC Division of Cardiology research output continues to increase during the fiscal year of 2022-23. Research funds were obtained through competitive research grants, clinical trials and contracts. 5-year publication output of the members of division has increased exponentially. The 5-year publication rate is 408 publications per year and an average rate of citations is more than 9500 per year with nearly 21 citations per publication. The division’s publication output is highly impactful with a 5-year average field-weighted citation impact of 2.2. This figure indicates that division publications have achieved more than twice the expected impact relative to the world literature in Cardiology. Top 5 authors from the division over the period of 2018-2022 are Dr. John Webb, Dr. Andrew Krahn, Dr. Janarthanan Sathananthan, Dr. David Wood, and Dr. Jacqueline Saw. The majority of high-impact publications from division in the last 5 years are a result of international collaborations (62%) by division faculty members with 26% national collaborations and 12% institutional collaborations.

## 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.

The division has begun the process of formally establishing clinical structures to support the Provincial Center for Cardiogenetics including recruitment of highly qualified health human resources and curation of space within the Heart Centre to deliberately create a community of practice. In collaboration with regional partners, the PHC Provincial Centre for Cardiogenetics will provide genetic counselling, diagnostic and medical expertise for patients from across BC at risk for or with an established genetic basis of cardiovascular disease.

The division is 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 the north star. Through this process, the division continues to discuss opportunities for embedding value based approaches to health care delivery, 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 the division delivers the best cardiovascular care to 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. He will step down as Division Head on December 31, 2022.

The Division of Community Internal Medicine was created in 2006 to increase the educational experience for trainees in community settings. Members of this division are general internal medicine / internal medicine specialists who work outside of downtown Vancouver. The Division of Community Internal Medicine works closely with the Division of General Internal Medicine but focuses on the contributions of community sites to academic medicine. It values its faculty as academic clinicians in community sites who work in sites that collectively serve the majority of BC's residents, including urban, rural, and remote communities.

The division continues to have a robust number of clinical faculty spread throughout the province who are involved in teaching. The total number of faculty was 244 in 2022, with three new appointments and four renewals. As an example, over 40 rotations were completed in community hospitals outside of usual academic training centers in 2022 by GIM fellows alone. This is expected to expand with growing needs in the communities with an enlarging population.



## KEY SUCCESSES

- Several members have taken up leadership positions in community hospitals and health authorities
- Excellence in clinical care in a variety of settings throughout the province
- Rising number of members with an interest in quality improvement, with 7 members completing the Physician QI course in 2022

## KEY CHALLENGES

- One of the challenges the division faces is around engagement, which is a shared challenge with variety of organizations including health authorities. To mitigate this, our division will endeavor to listen to the needs and transform to become relevant, particularly meeting the needs of community internists in education, research and/or quality improvement
- Significant heterogeneity of the division, ranging from large tertiary institutions within Metro Vancouver area to remote rural communities and also community clinic-based internists



## FACULTY MEMBERS

Clinical Professors	2
Clinical Associate Professors	12
Clinical Assistant Professors	89
Clinical Instructors	142
Emeriti	1

## MAJOR ACHIEVEMENTS

Dr. Meghan Ho was the GIM representative on an international expert advisory panel to develop sick day guidance consensus guidelines.

Dr. Caroline MacCallum recently co-authored the guidelines on cannabinoid-based medicine (CBM) for the management of chronic pain and co-occurring conditions. In response to the limited clinical guidance for using CBM to manage chronic pain, this project developed clinical practice guidelines to help clinicians and patients navigate appropriate CBM use in managing chronic pain and co-occurring conditions. Knowledge of the risks, benefits, and appropriate therapeutic uses of CBM for chronic pain and co-morbid symptom management was synthesized using a systematic review methodology.

## EDUCATION

The Division of Community Internal Medicine supports the clinical learning of medical students, core internal medicine residents and General Internal Medicine Fellows. In the 2022 calendar year, GIM fellows completed community GIM rotations in the following locations (number of fellows). Burnaby (1), Campbell River (1), Comox (5), Cranbrook (1), Kamloops (3), Langley (1), Maple Ridge (1), Mount St. Joseph (2), Penticton (4), Port Alberni (1), RGH (1), Richmond (4), Salmon Arm (3), Surrey (5), Terrace (2), Trail (1), Victoria (4). In addition, GIM fellows also received subspecialty training in community sites for critical care, geriatrics, endocrinology, hematology, rheumatology, respirology, ICU, hepatology, addictions medicine, and anesthesia. Community internists supervised longitudinal GIM clinics in GIM, hypertension, obesity, and a rural outreach internal medicine clinic in Hazelton.

One of the key strategic priorities for the division is equitable and more distributed learning in the province. There has been an ongoing need for general internists throughout the province, particularly in community hospitals. An excellent way to meet such requirements is to allow more learners to visit and learn at more distributed sites, allowing for exposure to community practice, which will not only pique the learners' interests but also introduce them to general internal medicine in environments outside of usual academic and tertiary care hospitals. As the first step, early conversations have begun around the possibility of a Fraser Health based internal medicine program, with Surrey Memorial Hospital as the hub site and many Fraser Health community hospitals as spokes sites. The eventual goal would be also

to have community impact streams for Northern and Interior Health areas.

## RESEARCH

Number of publications: 71

*The Critical Air Project*  
Dr. Valeria Stoyanova, Victoria

*Improving Care for Patients with Opioid Use*  
Dr. Meghan Ho, Royal Columbian Hospital

*Cannabidiol-Associated Hepatotoxicity*  
Dr. Caroline MacCallum

*Establishing a DVT pathway*  
Dr. Bennet Schwarzentruher

## CLINICAL HIGHLIGHTS

*PROACT (PeRiOperative Acute Care Team)*  
Dr. Emily Lai, Royal Columbian Hospital  
Additional team members: The RCH General Internal Medicine group

*Post-COVID Recovery Clinic*  
Dr. Sharry Kahlon, Dr. Jessica Belle, Dr. Euseok Kim  
Additional team members: GIM physicians at Surrey, Abbotsford, Victoria, in addition to Dr. Zach Schwartz, Dr. Jesse Greiner, Dr. Peter Birks, Dr. Jane McKay, Dr. Adeera Levin, Michelle Malbeuf, et al.

*Get to Surgery Program*  
Dr. Ali Zentner, Vancouver  
Additional team members: Dr. Tanner Chahley (GIM), Lisa Cramm (RN)

*Graduated Care Clinic*  
Dr. Sharareh Sajjadi, Chilliwack General Hospital  
Additional team members: CGH GIM Physicians

*Penicillin allergy de-labeling clinic*  
Dr. Olsen, Dr. Sainchuk, Prince George

# 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, Undergraduate Medical Education at UBC. Dr. Holmes trained in Internal Medicine and Critical Care Medicine at UBC and practiced critical care medicine at Kelowna General Hospital (KGH) until 2018 where she was involved in the clinical education of medical students, residents, and fellows in the ICU.

As Head of the UBC Division of Critical Care Medicine, Dr. Holmes is responsible for supporting the strategic vision of the division and the Department of Medicine. Dr. Holmes' academic interests are in the hidden curriculum, the patient voice in the learning environment, advancing equity, decolonization, and diversity in medical education and leadership.

The UBC Division of Critical Care Medicine is multi-disciplinary in nature with 57 faculty members and 27 Associate and Joint appointment members. Our members are multidisciplinary clinicians, scientists, leaders, and educators who advocate for the diverse critically ill patients and populations of British Columbia and beyond in a way that is respectful, inclusive, timely, and sustainable. The division's vision is: Extraordinary Critical Care through innovation, education, collaboration, and advocacy.



## KEY SUCCESSES

- The UBC Division of Critical Care Medicine embarked on a strategic planning process with the assistance of the UBC Strategic Decision Support (SDS)
- Division members discussed and validated the division's Vision and Mission and success statements were drafted for each core area
- The division's Equity, Diversity, Decolonization and Inclusion (EDDI) subcommittee is led by Dr. Ruth MacRedmond and will advise best practices for EDDI and contribute to strategic planning

## FACULTY MEMBERS

Professors	2
Clinical Professors	7
Associate Professors	2
Clinical Associate Professors	9
Clinical Assistant Professors	23
Clinical Administrators	1
Clinical Instructors	14
Emeriti	1



## KEY CHALLENGES

- Exposure to diverse learning opportunities (subspecialties, clinical, research, rural programs)
- Lack of capacity in our systems to sustain wellness, innovation and resilience to crisis-related risks
- Financial instability hinders ability to sustain and grow mandate
- External forces that increase patient care needs and exacerbate burnout (pandemic, climate)

## MAJOR ACHIEVEMENTS

In June 2022, Drs. Jim Russell, Keith Walley, and an international team published in Nature Medicine an article entitled “Redefining Critical Illness,” where they re-examined the syndrome-based model of critical care. Instead, the team hypothesized that exploring the underlying biological features may lead to improved disease characterization and eventually treatment by using biological characteristics such as genotype or gene expression signatures to define prognosis and response to treatment. This is a near-universal approach to cancer treatment that can be used in critical illness such as sepsis.

In February 2022, Dr. Robert McDermid gave a TEDx Talk entitled “Why Talking About Dying Matters.” He discussed the idea of what dying well looks like and compassionately talked about death as an important stage of all our lives versus something to be feared and avoided. The full TEDx Talk can be found [here](#).

## EDUCATION

UBC Education Program Directors:



Mypinder Sekhon, PGME Director

Number of subspecialty Training program residents:

- 9 Critical Care Medicine Residents

There is a collegial and supportive learning environment, with uniquely broad clinical exposure which supports a positive learning environment that promotes resident wellness.

## RESEARCH

UBC Research Funding/Grants: \$888K

Number of publications: 96

Dr. Najib Ayas co-chaired (with Dr. Knauert from Yale) an American Thoracic Society Workshop to develop an Official Research Statement on the Causes, Consequences, and Treatments of Sleep and Circadian Disruption in the ICU. The “Causes, Consequences, and Treatments of Sleep and Circadian Disruption in the ICU: An Official American Thoracic Society Research Statement” document has recently been published in American Journal of Respiratory and Critical Care Medicine and will serve as a robust roadmap to help guide research priorities in this important area.

A highly collaborative team with Dr. Jim Russell found unique patterns of proteins in acute COVID-19, and the patterns were different in males versus females. These unique proteins could be future diagnostic tests and/or treatment targets in acute COVID-19. This study highlights the unique international collaboration of our CIHR-funded ARBs CORONA network with 19 sites, including 3 in BC with investigators Drs. Keith Walley and John Boyd (St. Paul’s), Dr. Greg Haljan (Surrey), Dr. Karen Tran (VGH), and Dr. David Sweet (VGH) plus five specialty research labs, including the University of Victoria Genome BC Proteomics Centre that did the proteomics analyses and Leiden Medical Centre’s Dr. Yassene Mohammed who did the pathway analyses.

## CLINICAL HIGHLIGHTS

The collaborative team at VGH ICU was awarded platinum status for Extracorporeal Membrane Oxygenation (ECMO) by Extracorporeal Life Support Organization, the highest recognition in ECMO with only two other hospitals in Canada. The highly specialized team’s meticulous efforts to support critically ill patients and their robust training contributed to the award for excellence.

In 2022, Dr. Don Burke was working in a southwestern regional hospital in Ukraine where they are taking care of civilians and military personnel alongside Ukrainian healthcare providers and volunteers. After returning, he has been working with their local humanitarian campaign, “Ukraine Health and People,” which acts as a communication network to effectively collect and distribute much-needed supplies throughout Ukraine. He has also kept communication with many of their field physicians. If you’d like to learn more and support the efforts in Ukraine, please visit <http://uhnp.org>.



# division of ENDOCRINOLOGY & METABOLISM



Dr. Marshall Dahl  
Division Head

## DIVISION OVERVIEW

Dr. Marshall Dahl is a Clinical Professor and Head of the UBC Division of Endocrinology & Metabolism since 2018. In addition to general endocrinology clinical work and teaching, he focuses on providing Gender-Affirming Hormone Therapy and promoting training and care delivery for gender-diverse people in British Columbia.

The UBC Division of Endocrinology & Metabolism has diverse academics and clinicians focusing on excellence in research, education, and clinical care.

There are approximately 70 adult endocrinologists in British Columbia. The UBC Division of Endocrinology & Metabolism 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).

Division members are distributed throughout British Columbia (Vancouver, North Vancouver, Richmond, Burnaby, New Westminster, Surrey, Victoria, Penticton, and Kelowna). Clinical teaching evaluations by Internal Medicine Residents are highly supportive of endocrinology teaching. This includes outpatient clinical teaching and inpatient teaching at sites in Vancouver, Surrey, and New Westminster.



## KEY SUCCESSES

- Successful collaboration with Arrowsmith UBC-Rwanda Partnership and establishment of philanthropic foundation account with a Clinical Fellow from Rwanda
- New philanthropic funding from Mr. Johnny Fung at VGH to support diabetes education and research
- VGH Endocrinology was named #45 in Newsweek's "World's Best Specialized Endocrinology Programs of 2022" on the list of 100 hospitals

## FACULTY MEMBERS

Professors	3
Clinical Professors	4
Associate Professors	2
Clinical Associate Professors	7
Clinical Assistant Professors	27
Adjunct Professors	1
Clinical Administrators	2
Clinical Instructors	15
Emeriti	2



## KEY CHALLENGES

- University funding for recruitment of new full-time academic, tenure-track researchers
- Space constraints hinder recruitment at VGH
- Uncertainty and delays in construction at new St Paul's make it challenging to plan for the location of clinicians as current office leases come up for renewal

## EDUCATION

- PGME Program Director: Dr. Jason Kong
- CaRMS matching has been successful, with excellent Fellows recruited and highly-valued externally-funded Fellows in the Royal College stream.
- Additional Clinical Fellows have been recruited for advanced training in lipid research, clinical lipidology, and pituitary disease
- The division is designing additional training opportunities in endocrine oncology and discussing with prospective candidates
- The division will undergo a formal External Review in May 2023. After many years as Program Director, Dr. Jason Kong will step down in 2023

### Number of subspecialty Training program residents:

- 6 Endocrinology Residents

## RESEARCH

UBC Research Funding/Grants: \$2.1 million

Number of publications: 81

Full-time academic faculty research interests include basic science of lipid disorders, menstrual cycle and ovulation physiology and disorders, pituitary diseases, and technology/peer-supported type 1 diabetes care.

Research interests of clinical faculty include islet stem cell transplantation trials, continuous glucose monitoring in acute care, transition of people with type 1 diabetes from pediatric to age 18-25 care models, type 1 diabetes “closed loop” insulin pump use, and immunologic intervention in early type 1 diabetes.

## 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

## DIVISION OVERVIEW



Dr. Robert Enns  
Division Head

Dr. Robert Enns is a Clinical Professor in the UBC Division of Gastroenterology. 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. 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, he has published in multiple arenas as one who has interests in any advances (medical or endoscopic, or training).

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 UBC Division of Gastroenterology and are members of other divisions.



### KEY SUCCESSES

- Specialized therapeutic and diagnostic endoscopy (ERCP) offered as clinical service in the lower mainland
- BC Hepatitis Program, which is a partnership with BCCDC offers clinical service related to viral hepatitis, liver disease, and hepatocellular cancer (DHCC)
- Pacific Gastroenterology (SPH), and IBD Center (VCH)
- Specialized endoscopic ultrasound and capsule endoscopy available at SPH, VGH, and BC Cancer Agency Vancouver

### FACULTY MEMBERS

Professors	3
Clinical Professors	4
Associate Professors	1
Clinical Associate Professors	14
Assistant Professors	1
Clinical Assistant Professors	40
Affiliate Associate Professors	1
Clinical Administrators	2
Clinical Instructors	18
Emeriti	4



### KEY CHALLENGES

- Duplications of services among hospital sites and resulting difficulty in recruiting staff
- Lack of financial support to recruit academic staff; planning for further academic recruitment requires commitment from entire division
- Training culture affecting ability to manage call schedule

## MAJOR ACHIEVEMENTS

The IBD Centre of BC is now operational at an 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.

UBC Division of Gastroenterology Fellows' Awards:

- 2022 Lectureship Award – Dr. Ian Gan
- 2022 Dr. Hugh Chaun Mentorship Award – Dr. Neal Shahidi
- 2022 Dr. Donald M. Carr Memorial Teaching Award – Dr. Vladimir Marquez

## EDUCATION

UBC Education Program Directors:



Eric Lam, PGME Director

Number of Learners:

- 11 Gastroenterology Fellows

Number of subspecialty Training program residents:

- 6 Gastroenterology Residents

## RESEARCH

UBC Research Funding/Grants: \$1.86 million

Number of publications: 92

## CLINICAL HIGHLIGHTS

Specialized therapeutic and diagnostic endoscopy consisting of ERCP 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 Scientist, 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. She 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 past-President of Hypertension Canada and is an executive member of the International Society of Hypertension.

General Internal Medicine (GIM) is a cognitive subspecialty integrating all areas of adult internal medicine including addictions, urban health, cardiology, respiratory, neurology, aging, cancer, and infectious diseases as well as consideration of the social determinants of health to provide holistic patient centered care. As patients, treatments, diagnostics and intersections of marginalization are becoming increasingly complex, the need for generalism is increasing.



## KEY SUCCESSES

- General Internal Medicine physicians in BC conducted over 1 million patient visits at VGH and SPH hospital since 2000
- Increasing research positions within the Division of GIM with members receiving MSFHR and CRC chair awards
- Developed a new archiving system for Point of Care Ultrasound at VGH to allow for an enhanced data retrieval program and training platform
- Increased wellness activities from wellness champions and wellness teams

## FACULTY MEMBERS

Professors	3
Clinical Professors	3
Associate Professors	1
Clinical Associate Professors	13
Clinical Assistant Professors	21
Affiliate Professors	2
Clinical Administrators	2
Clinical Instructors	17
Emeriti	1



## KEY CHALLENGES

- The division is undergoing a CTU re-design due to the increasing volumes of medicine patients, unique qualities and special educational emphasis of CTU
- Continuing to expand our ambulatory and outreach activities including post discharge CTU heart failure and COPD clinics
- Increasing the educational research pilots and program, research capacity among faculty including QI, and the number of GIM subspecialty trainees (R4-5) to meet the needs of the province

## MAJOR ACHIEVEMENTS

The UBC Division of General Internal Medicine led efforts to provide safe care for hospitalized patients with COVID until the significant reduction of the pandemic. Working with the Emergency Department and the Critical Care Division, the GIM division provided a continuum of care from point of entry to hospital admission with our emergency triage team to inpatient COVID care and the post-COVID recovery clinics for patients who survived COVID infections in 2022.

The division also provided the cornerstone of medical care at VGH and SPH - leading the Clinical Teaching Unit care teams that provide care to patients in almost 300 patient beds, translating to approximately 85,000 patient bed days per year.

GIM also provides care to over 9000 patient visits in the ambulatory setting in 2022.

## EDUCATION

**UBC Education Program Director:**  
James Tessaro, PGME Director

**Number of subspecialty Training program residents:**

- 8 UBC GIM PGY-5 Fellows
- 10 UBC GIM PGY-4 Fellows

The division offers a RCPSC-accredited two-year sub-specialty postgraduate training program in General Internal Medicine. The UBC GIM Fellowship program welcomes applicants wishing to pursue community-based or academic careers. The PGY-4 year is focused on obtaining the necessary skills for the practice of general internal medicine.

## RESEARCH

UBC Research Funding/Grants: \$1.1 million  
Number of publications: 77

Dr. John Staples published a seminal study in the New England Journal of Medicine on cannabis legalization in Canada identifying that the prevalence of moderately injured drivers with a THC level of at least 2 ng per milliliter in participating British Columbia trauma centers more than doubled. The

increase was largest among older drivers and male drivers.

Dr. Karen Tran conducted an instrumental pilot trial in digital hypertension evaluating the effect of telemonitoring BP among patients with uncontrolled hypertension at VGH emergency department. In this study, a digital hypertension evaluation was associated with significant lowering of BP among patients discharged from emergency rooms.

Dr. Kevin Eva published a study in the Journal of Continuing Education in the Health Professions examining the types of change physicians pursue through clinical coaching and the impact of context on their desired changes for continuous professional development.

## CLINICAL HIGHLIGHTS

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

The division provides care to patients for approximately 300 hospital beds at SPH and VGH hospital at the Clinical Teaching Units (~25% of all acute care hospital admissions at these two sites). General Internal Medicine runs an ER Triage team 7 days per week and Medicine Consultation to non-CTU hospital wards at both hospitals. There is a non-teaching Acute Internal Medicine Service to decant sub-acute patients from the CTU to improve flow. 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.

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).

Faculty members are active in health service delivery for General Internal Medicine patients and attend on the Clinical Teaching Units at VGH and SPH, as well as provide medical consultative services.

# 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.

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 of British Columbia, 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 educational activities

## FACULTY MEMBERS

Professors	2
Clinical Professors	3
Clinical Associate Professors	4
Clinical Assistant Professors	17
Affiliate Assistant Professors	1
Clinical Administrators	1
Clinical Instructors	39
Emeriti	1



## KEY CHALLENGES

- Research members continue to be recruited to expand research activity
- Ongoing challenge of human resources recruits to Geriatric medicine and aging specialized professions

## MAJOR ACHIEVEMENTS

2022 was a recovery year in the pandemic, and division members aided in the care, both acute and community, of seniors who were severely impacted.

Dr. Ken Madden continued his research, and expanded his grants. He is the President of the Canadian Geriatrics Society, continuing a strong presence in National leadership from BC Geriatricians. He was the senior author on the chapter on 'Exercise Therapy in Older Adults' for Brukner and Khan's Clinical Sports Medicine (one of the most widely used undergraduate Sports Medicine textbooks, now in its second printing).

Dr. Roger Wong continued to be a strong change leader in Education nationally and is 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. They published a peer reviewed summary of bedside muscle testing in AIMS Medical Science, continuing their pioneering work in sarcopenia.

## EDUCATION

UBC Education Program Directors:  
Wendy Cook, PGME Director

Number of subspecialty Training program residents:

- 5 Geriatric Medicine Residents

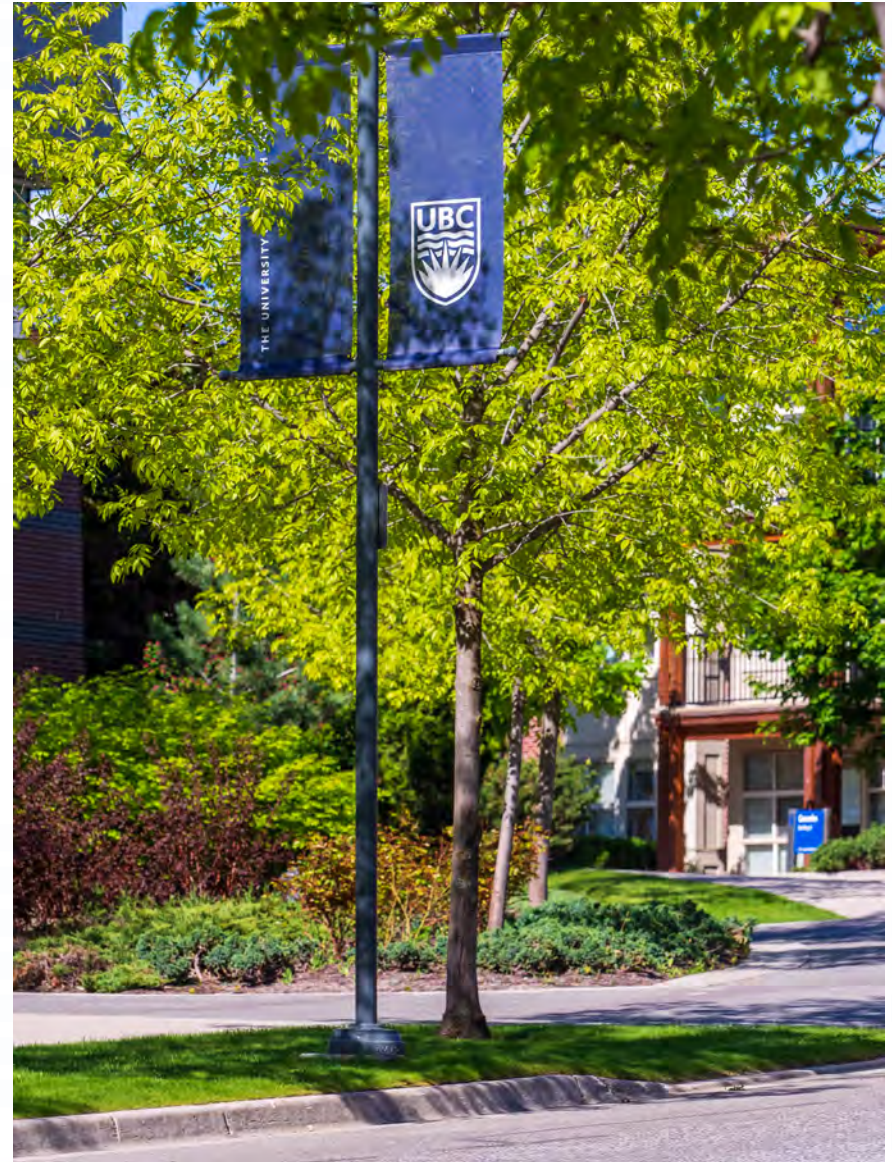
## RESEARCH

UBC Research Funding/Grants: \$75K  
Number of publications: 27

## CLINICAL HIGHLIGHTS

- Successful Geriatric Inpatient care continued in Vancouver Coastal and Fraser Health at multiple sites

- Division members were active in COVID-19 care
- Outreach to the North continues to multiple communities, Island and Interior services continue to expand
- 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 and 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).

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. 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
- Divisional Educational Activities (Semi-Annual Update Series)

## FACULTY MEMBERS

Professors	3
Clinical Professors	12
Associate Professors	1
Clinical Associate Professors	13
Assistant Professors	1
Clinical Assistant Professors	20
Adjunct Professors	1
Clinical Administrators	2
Clinical Instructors	7
Emeriti	4

## KEY CHALLENGES

- Identification of funding sources to support research initiatives for Clinical Faculty members
- Recruitment of specialized physician staff to handle increasing clinical demands
- Strategies to enhance the capability of Clinical Care delivery for patients with Hematologic malignancies (ie. Elderly patients with Acute Myeloid Leukemia and related disorders) outside of the Major Teaching Hospitals by working creatively with the many Health Authorities in the Province



## MAJOR ACHIEVEMENTS

Currently, the division has 62 members and associate members across the Province. Members in the two primary teaching hospitals have highly subspecialized practices, befitting the advancements in therapies available. Further growth is anticipated with the funding of new therapies (eg, CAR-T cells) and the ability to manage patients with hematologic malignancies closer to their communities (novel therapies for Acute Leukemias, Multiple Myeloma, etc.).

Dr. David Sanford raised philanthropic funding through VGH & UBC Hospital Foundation to initiate a modern approach to AML care for BC patients through molecular monitoring in AML (MRD Detection).

## EDUCATION

### UBC Education Program Directors:

Luke Chen, PGME Director

Yasser Abou Mourad, Leukemia/BMT Fellowship Director

### Number of subspecialty Training program residents:

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

The Residency Training Program provides clinical and laboratory rotations for our Hematology trainees at the following locations: BC Children's Hospital, BC Women's Hospital, Royal Columbian Hospital, St. Paul's Hospital, Surrey Memorial Hospital, and Vancouver General Hospital; additional elective rotations are available in Victoria and Kelowna. The Hematology Residency Training Program was granted an additional PGY-4 spot to meet the significant growth in clinical care for patients with various Hematologic diseases.

## RESEARCH

UBC Research Funding/Grants: \$5.3 million

Number of publications: 70

The Hematology Research Program (HRP) at VGH continues to carry out studies related to Leukemia, lymphoma, multiple myeloma, marrow failure disorders, hematopoietic stem cell transplantation, and thrombosis. In

2022, HRP had 38 active studies, plus over ten new drug trials in the start-up and selection phase.

Since the introduction to CAR-T trials, the Program has managed five (5) CAR-T trials: ZUMA-1, ZUMA-7, CLIC-01 (first Canadian CAR-T Study), NHL-001, and CARTITUDE-5. As of 2022, HRP has infused 57 patients.

Planning and development of a proposed 3-bed inpatient Phase I Clinical Trials Unit has resumed and is expected to be completed by summer 2025.

## CLINICAL HIGHLIGHTS

The availability of targeted therapies in B-cell ALL has enhanced the ability to manage patients with B-cell ALL progressing after multi-agent chemotherapy. Agents targeting CD19 (Blinatumumab) and CD22 (Inotuzumab) have enabled patients to re-enter remission and then proceed to transplant. Dr. Yasser Abou Mourad (ALL lead LBMT Program) has been instrumental in working with BC Cancer to make these novel therapies available in British Columbia.

The ability to detect residual Acute Leukemia has been used for years in ALL to predict disease relapse and to intervene before patients have hematologic relapse. This approach is now used regularly in AML patients with "favourable risk disease" using NGS technology. Those destined to relapse are identified earlier and can be treated to induce a second remission and to proceed to Allogeneic Transplant as a means to cure. Dr. David Sanford (LBMT AML Lead) has worked closely with BC Cancer Genetics Lab to develop the technology and strategy for AML.



# division of INFECTIOUS DISEASES



Dr. Ted Steiner  
Division Head

## DIVISION OVERVIEW

Dr. Ted Steiner is a Professor and Head of the UBC Division of Infectious Diseases. His research program includes basic laboratory investigation on intestinal immunology, translational research on cellular immune responses in infectious and allergic disease, and clinical research on *C. difficile* infection, COVID-19, and other important infections. He is the Medical Head of the VCHRI Clinical Research Unit and co-lead of the COVID-19 Clinical Research Coordination Initiative Working Group.

During the past decade the UBC Division of Infectious Diseases has continued to develop an increasing number of linkages and relationships important for the purpose of 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 following faculty members provide leadership in their respective disciplines: Dr. Julio Montaner (HIV/AIDS), Dr. Richard Lester (Global Health and patient adherence), Dr. Alissa Wright (Transplant Infectious Diseases), Dr. Victor Leung, Dr. Jennifer Grant, and Dr. Kevin Afra (Antibiotic Stewardship), Dr. J. Troy Grennan (sexually transmitted infections).



## KEY SUCCESSES

- Hired new clinical faculty member at VGH (Dr. Shannon Turvey) to lead program in management of nontuberculous mycobacterial infections
- Graduated two ID fellows who have taken community ID positions in BC
- Expanded participation in multicentre clinical trials through improved research capacity in the division



## KEY CHALLENGES

- Lack of funding for new academic positions, either through UBC faculty renewal positions, CRC chairs, or philanthropy; Lack of support for productive mid-career faculty whose grant-funded salary support is ending
- Dramatically increased clinical workload for faculty due to increasing patient demand, reduced availability of GPs, and loss of clinical trainee support
- Outdated divisional funding model whereby support for academic activities comes primarily from the VGH APP

## FACULTY MEMBERS

Professors	5
Clinical Professors	2
Associate Professors	2
Clinical Associate Professors	8
Assistant Professors	2
Clinical Assistant Professors	23
Affiliate Assistant Professors	2
Clinical Administrators	2
Clinical Instructors	14
Honorary Associate Professor	1
Emeriti	4

## MAJOR ACHIEVEMENTS

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 Tuberculosis 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.

## EDUCATION

### UBC Education Program Directors:

- Allison Mah, PGME Director

### Number of subspecialty Training program residents:

- 3 Infectious Diseases Residents

## RESEARCH

UBC Research Funding/Grants: \$3.9 million

Number of publications: 116

## CLINICAL HIGHLIGHTS

Division members provide leadership and clinical support in all areas of infectious diseases throughout BC.

Specific programs of note include Transplant ID, HIV treatment and prevention, Oak Tree Clinic (longitudinal care for women with HIV and their families), management of addiction-related infections, global health and tropical medicine, Tuberculosis and nontuberculous mycobacteria, and fecal microbial transplantation for recurrent *C. difficile* infection.

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.

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, a staff medical oncologist with BC Cancer, Vancouver Cancer Centre as well as head of Department of Clinical Research at BC Cancer Research Institute. 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 also the Co-Chair of the Breast Disease Site for the Canadian Cancer Trials Group (CCTG).

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.

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.



## KEY SUCCESSES

- The division continues to publish seminal research work in internationally recognized journals, awarded research grants and conduct vital clinical trials through collaboration and multidisciplinary engagement
- Faculty members were successful with competitive grants to continue important research
- Collaborative endeavors within the division, faculty, university and internationally were also published in renown journals

## FACULTY MEMBERS

Professors	5
Clinical Professors	9
Associate Professors	3
Clinical Associate Professors	26
Assistant Professors	2
Clinical Assistant Professors	61
Clinical Instructors	18
Emeriti	1



## KEY CHALLENGES

- The shortage of Medical Oncologists continues to be a challenge which not only affects staff well-being and dedicated time to research, but also increased patient wait-times
- Increased workload and insufficient medical oncologists to see patients in timely manner, resulting in burnout
- Reduced time for research and education

## MAJOR ACHIEVEMENTS

Dr. Kim Chi was appointed Shrum Chair in Applied Genomics Research for Prostate Cancer. This will allow protected time and funding to support translational research for patients with advanced prostate cancer. The funds will also be used to support, maintain, and advance the province wide genitourinary cancer biobank.

The division continues to successfully generate high impact publications including Dr. Kim Chi's co-senior authorship in *Nature*, describing the findings from deep whole-genome ctDNA chronology of treatment-resistant prostate cancer. This paper's seminal findings included proof that ctDNA represents multiple tumour clones beyond what is sampled in individual tissue biopsies, revealed how genomic drivers of treatment resistance, and illustrated how nucleosome foot-printing can be used to infer gene expression.

Working with fellow researchers, Dr. Stephen Chia published in *Nature Communications* work on proteomic analysis of archival breast cancer clinical specimens to identify a subtype with favorable survival outcome.

As part of an international team, Dr. David Scott's *Cancer Discovery* publication helped to define BCL10 mutations to guide DLBCL therapy.

## EDUCATION

### UBC Education Program Directors:

- Christine Simmons, PGME Director
- Cheryl Ho, Fellowship Program 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

## RESEARCH

UBC Research Funding/Grants: \$18.9 million

Number of publications: 218

## CLINICAL HIGHLIGHTS

All 6 regional centres have active clinical trials units with 153 open trials in 2022. 566 patients were accrued across the 6 centres for the various Medical Oncology trials.

Dr. Sharlene Gill was involved in an important *Journal of Clinical Oncology* publication that updated the guidelines for adjuvant therapy for Stage II colon cancer.



# division of NEPHROLOGY



Dr. Adeera Levin  
Division Head

## DIVISION OVERVIEW

Dr. Adeera Levin is a Professor of Medicine and Head of the UBC Division of Nephrology, 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. She actively mentors medical students, residents, nephrology fellows, health administration fellows, and PhD candidates. These include physicians, pharmacists, nurses, and other allied health professionals. She has multiple teaching and research awards and is a recipient of The Order of Canada.

The UBC Division of Nephrology provides outstanding kidney care to patients within the Province of British Columbia, across numerous hospital sites: 2 in Vancouver at St. Paul's Hospital and Vancouver General Hospital. In addition, Royal Columbian Hospital, Surrey Memorial, Abbotsford in the Fraser Health Authority, and at hospitals in Interior Health, Northern Health and Vancouver Island Health authorities.

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, a mature nephrology postgraduate training program, offering both core nephrology training and additional post core training, and participates in the Experimental Medicine and Clinical Investigator programs of the Department of Medicine.



## KEY SUCCESSES

- Recruiting 3 general nephrologists and 3 transplant nephrologists to support a growing patient population
- Integrated clinical care across the spectrum of kidney diseases, from diagnosis to treatment for both native and transplant kidneys
- International fellowship program enriching the core fellowship program (Advanced Nephrology Trainees, Glomerulonephritis Fellowship, Transplant Fellowship, Home Dialysis Fellowship)
- Robust clinical research programs using observational, administrative databases and execution of clinical trials across all modalities



## KEY CHALLENGES

- Translational research and integration with basic scientists
- Support of faculty at all levels for academic activities ( time/ money/ infrastructure) and across the province
- Developing junior faculty with expertise in specific areas of need, due to remuneration structures

## FACULTY MEMBERS

Professors	3
Clinical Professors	7
Associate Professors	1
Clinical Associate Professors	9
Clinical Assistant Professors	31
Clinical Administrators	2
Clinical Instructors	12
Emeriti	3

## 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. Caroline Stigant was appointed the Medical Lead, Climate Change Steering Committee with Island Health, a founding member of Global Environmental Evolution in Nephrology & Kidney Care (GREEN K), and working with BC Renal to develop environmentally sustainable kidney care.

Dr. Monica Beaulieu was appointed Providence Health Care Medical Advisory Committee Chair. Dr. John Gill was the President of the American Society of Transplantation. Dr. Caroline Stigant was appointed Chair Sustainable Nephrology Action Planning (SNAP), CSN. Locally, 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 CKD and Transplant patients and enabling COVID-19 research on vulnerable patient groups have been significant achievements this academic year.

## EDUCATION

### UBC Education Program Directors:

- Abeer Jamal, PGME Program Director
- Olwyn Johnston, Transplant Fellowship Director
- Michael Copland, Home Dialysis Fellowship Director
- Sean Barbour, GN Fellowship Director

### Number of learners:

- 65 residents
- 14 Clinical Fellows
- 21 Year 4 Medical Students

The UBC Division of Nephrology plays a key role in many University, academic community and volunteer organizations in Canada and around the world.

All aspects of the divisional education programs, including undergraduate, postgraduate and fellowship activities are supported by one administrator.

## RESEARCH

UBC Research Funding/Grants: \$5.1 million  
Number of publications: 72

Research activities encompass laboratory and clinical sciences, combining genetic and molecular research, pharmacology and therapeutics, epidemiology and clinical trials, and population health and outcomes/ economic investigations in kidney disease and transplantation.

Activities are supported by peer review grants, industry funding (investigator-initiated research, unrestricted educational grants), and BC Renal and institution foundations.

## CLINICAL HIGHLIGHTS

The UBC Division of Nephrology continues to grow its integrated approach to kidney care across the spectrum. 2022 saw an evolution of sophistication in adapting clinical care, including virtual and real-time care, maintaining a 'team-based' environment, and developing teaching tools for patients accessible virtually in multiple languages.

Launching of Transplant First Initiative: a formal process to redesign the process by which non-dialysis patients are evaluated and navigate through the system with the goal of obtaining a pre-emptive transplant (before needing dialysis) using a robust evaluative framework; this program is an implementation science program.

The division is introducing indigenous cultural safety into the culture of learning and care provided through modelling, 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 30,000 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. In addition to longstanding strength of the division in Multiple Sclerosis and Neurodegenerative Disorders including ALS, Alzheimer's disease and other dementias and Parkinson's disease, 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

- UBC Academic renewal, Dr. Lily Zhou hired as a Stroke Data Science Neurologist
- Dr. Judy Illes received the 2022 Italian Society for Neuroethics (SINe) Award
- BC Brain Wellness program (Dr. Silke Cresswell) received funding to improve accessibility and inclusion of programming

## FACULTY MEMBERS

Professors	10
Clinical Professors	4
Associate Professors	7
Clinical Associate Professors	16
Assistant Professors	2
Clinical Assistant Professors	74
Adjunct Professors	3
Affiliate Professor	1
Affiliate Assistant Professors	2
Clinical Administrators	3
Clinical Instructors	32
Emeriti	8

## KEY CHALLENGES

- Financial sustainability remains a challenge in the absence of an alternate funding plan; we are attempting to address this by the establishment of an academic enhancement fund
- Most clinical areas of Neurology are well covered, however, academic activities are less consistent (and in many cases represented by aging faculty); there is limited translational research, and it is difficult to recruit younger people committed to research



## MAJOR ACHIEVEMENTS

In 2022, an external divisional review was conducted by Dr. Ted Steiner, Head of the UBC Division of Infectious Diseases, UBC, and Dr. Susan Fox, Head of the UHN Division of Neurology at University of Toronto. The interviews were conducted over Zoom on May 30 and May 31, 2022 with constructive feedback received.

- Dr. Martin McKeown has been awarded a grant from the National Science Foundation of China, together with Dr. Aiping Lui, a former trainee of his. He has also been offered a joint visiting Professor position in Neurology & Computer Science at Nanyang Technological University of Singapore
- Dr. Ilker Hacihaliloglu is the recipient of VFI Grants John R. Evans Leaders Fund for project of Infrastructure for AI-integrated Point of Care Ultrasound Imaging for Decentralized Healthcare
- A \$34m donation was received to create a BC MS cell therapies translational research network
- Dr. Haakon Nygaard has launched a project in collaboration with Dr. Brian MacVicar that explores an important new frontier in Alzheimer's research: the role of oxidative stress in brain nerve cell death
- Neuroethics Canada received two new grants from provincial (Quebec) and Federal government (CIHR) sources for establishing an IBI Secretariat for three years at UBC
- Dr. Kristine Chapman has obtained a Masters of Health Transformation from the Value Institute at University of Texas
- Dr. Helen Tremlett was invited to give 2 named lectures : Whitaker Lecture (Annual meeting of the Consortium of MS Centers) and Richardson Lecture (CNSC)

## EDUCATION

### UBC Education Program Directors:

- Samuel Yip, PGME Director
- Tychicus Chen, PGME Associate Director
- Haakon Nygard, Resident Research Director
- Gordon Robinson, UGME Director

### Number of Learners:

- 33 residents (PGY1 to PGY5)

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.

## RESEARCH

UBC Research Funding/Grants: \$12.6 million

Number of publications: 262

An ALS Professorship was established, supported by ALS Society BC under the UBC President's Academic Excellence Initiative (PAEI). The search for candidates was underway during 2022 and will continue until a suitable candidate is identified.

Dr. Neil Cashman received a research grant that will support the development of a vaccine for misfolded protein diseases.

## CLINICAL HIGHLIGHTS

Dr. Stanley Hashimoto lectureship held via Zoom on February 2, 2022 with guest speaker Dr. Sarosh Irani from University of Oxford, UK ; "The Clinically distinctive Features of Subtypes of autoimmune Encephalitis"

Donald W. Paty Lectureship held on June 15, 2022 with guest speaker Dr. Bruce Miller from The University of California, San Francisco; "Advances in Frontotemporal Dementia from Diagnosis to Treatment".

Naveen Desphande Lectureship held via Zoom on April 20, 2022 with guest speaker Dr. Jeremy Moeller from Yale School of Medicine; "The end of the Lecture: Innovations in Formal Neurological Education".

Dr. Stephen Van Gaal has been appointed as the lead for outpatient clinics for CERNER.



# division of PALLIATIVE CARE



Dr. Fify Soeyonggo  
Division Head

## DIVISION OVERVIEW

Dr. Fify Soeyonggo is a Clinical Assistant Professor and Head of the UBC Division of Palliative Care.

Since taking on the role of UBC Division Head in 2022, Dr. Soeyonggo has been a strong advocate for palliative care education, community building and wellness amongst care providers. Under her leadership, the division has grown to offer more collaborative opportunities, leadership roles and research activities. Dr. Soeyonggo enjoys teaching and mentorship; in particular, she strives to be a role model for compassionate leadership in medicine. Dr. Soeyonggo feels very privileged to be surrounded by inspiring colleagues and mentors of various backgrounds. She is grateful as well for working with the many wonderful, creative, hard-working, and kind UBC Division of Palliative Care faculty members and administrative staff.

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. The division has developed and supported Palliative Medicine providers across the province, with a major academic focus on providing education for Palliative Medicine residents along with residents of various backgrounds, accounting for over a 100 learners per Academic Year.



## KEY SUCCESSES

- Developed mission and vision statements highlighting four priorities (education, community, partnership and research)
- Established leadership positions: Associate Heads of Education, Wellness/Faculty Development, and Research
- Established Education Advisory Committee focused on palliative care education advocacy to students and staff
- Secured UBC Healthy Workplace Initiative Fund for division commensality dinners

## FACULTY MEMBERS

Clinical Professors	1
Clinical Associate Professors	6
Clinical Assistant Professors	11
Adjunct Professors	5
Clinical Administrators	1
Clinical Instructors	33



## KEY CHALLENGES

- Reduced FTE time in both Division Head and Administrative support made it very challenging navigating the first year of transition
- Reduced access to readily available and consistent HR support added additional strenuous challenges during time of transition
- Lack of financial resources to take on more meaningful initiatives and engage faculty members

## MAJOR ACHIEVEMENTS

Dr. Julia Ridley spearheaded the development of a province-wide DOPC Block Based Teaching program to build primary palliative care capacity. It is the first educational offering where off-service resident learners across the province have dedicated one-hour didactic teaching during their palliative care rotation, regardless of the site they are allocated to. The current focus is opioid education in the field. With more capacity in the future, the plan is to expand the frequency of this offering so that it is available to the learners on a weekly basis.

Camara van Breemen secured the role of Director for Two World's Cancer Collaboration organization (<https://twoworldscancer.ca>). In this capacity, Camara and her team were able to continue the mission of building capacity across the globe by providing education for healthcare providers along with developing healthcare programs with a focus on palliative and end-of-life care. This organization supported ongoing collaborative and self-sustaining palliative programs in India, Nepal, and the Philippines.

Dr. Matthieu Hubert remained dedicated in his role 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 wide-ranging topics included: "Central Sensitivity Syndromes and Palliative Care," "The Role of Culture in Palliative Care: An Overview in the Canadian Context," and "Educating Future Leaders in Palliative Care." 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. Last year, we created a calendar on the UBC DOPC website to provide additional access to education rounds (including past recordings).

## EDUCATION

### UBC Education Program Directors:

- Julia Ridley, PGME Director
- Anoo Tamber, Family Medicine Enhanced Skills

### Number of subspecialty Training program residents:

- 3 Palliative Care Residents

The UBC Division of Palliative Care continues to support postgraduate learners through two accredited residency programs (Enhanced Skills for Family Physicians (1 year program) and Palliative Care Sub-Specialty Training (2 year program) and two unaccredited programs Enhanced Skills Category 2 for Family Physicians (3 month program), and Enhanced Skills for Specialists (Donor supported, 3 month program offered when funding available). In 2022 both accredited residency programs moved toward competency-based assessment, with Enhanced Skills introducing Entrustable Professional Activity resident assessments to address the Core Professional Activities outlined by the CCFP and Sub-Specialty Palliative Medicine moving to Competency Based Medical Education in July 2023.

## RESEARCH

Number of publications: 15

The UBC Division of Palliative Care continues to build the interest and capacity of faculty members around research. As the field of palliative care is relatively young with a finite number of researchers, the primary goal within the division in the past year has been to encourage clinical physicians to lean further into research. The division created a new research guide with various resources for our greener researchers to reference and has also established a new position – Associate Head of Research (Dr. Pippa Hawley) whose focus is on leading the organization of research events, including Research Day, and providing mentorship around research for palliative residents and faculty members. Additionally, the division successfully secured a donation through the Hsu-Hsieh Foundation to establish DOPC Distinguished Scholar in Palliative Care.

## CLINICAL HIGHLIGHTS

The division has been pleased to offer a very special rural palliative care elective program based in Yukon – led by Drs. Alex Kmet and Danusia Kanachowski. In 2022, two third-year residents and 1 first-year resident rotated formally in palliative care in the Yukon. This unique opportunity has been established to promote expansion of palliative care specialist support into remote areas within the province.

The division is grateful for the on-going support of many partners, providers, educators, learners and donors across the Province, including Dr. David Hsu and the Hsu-Hsieh Foundation and BC Center for Palliative Care.

# division of PHYSICAL MEDICINE & REHABILITATION



Dr. Jennifer Yao  
Division Head

## DIVISION OVERVIEW

Dr. Jennifer Yao is a Clinical Associate Professor and has been the head of the UBC Division of Physical Medicine & Rehabilitation (PMR) since 2016. She is the Medical Site Lead at GF Strong Rehab Centre in Vancouver.

Dr. Yao's 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 91 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.



## KEY SUCCESSES

- Formation of the new Division Executive Committee with representation from academic and community teaching sites, resident body, and subcommittee chairs
- Successfully recruiting a new program administrative assistant, Sim Lee, in July 2022
- Engaging division members for strategic planning work, including development of new Vision, Mission and Value statements
- Developing and implementing a new VISA trainee clinical fellowship program in Neurorehabilitation



## KEY CHALLENGES

- Gathering input from members on what would constitute meaningful research and academic supports to increase their productivity and success
- Working towards sustainable financial health and developing equitable ways of using resources
- Enhancing faculty development in the setting of Competency by Design to improve quality and frequency of feedback to learners

## FACULTY MEMBERS

Professors	2
Clinical Professors	2
Clinical Associate Professors	4
Clinical Assistant Professors	35
Adjunct Professors	1
Clinical Administrators	1
Clinical Instructors	33
Emeriti	2

## 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 2022, she was appointed as a Fellow of the Canadian Academy of Health Sciences.

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. In 2022, Dr. Krassioukov and his collaborators at ICORD were awarded a 3-year \$2.2M grant from the US Department of Defence for his work in non-invasive spinal cord stimulation for recovery of autonomic function after SCI.

Dr. Jennifer Yao is a collaborator in the CanStroke Recovery Trials platform and a member of the Rehabilitation Research Program in Vancouver. In 2022, Dr. Yao and her collaborators were awarded a \$1.55M grant from the Canadian Institutes of Health Research for their work on Modafinil and Exercise for Post Stroke Fatigue (MODEX).

## EDUCATION

### UBC Education Program Directors:

- Amy Hanlan, PGME Director

### Number of subspecialty Training program residents:

- 2 Physical Medicine & Rehabilitation Residents

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

The CBD curriculum is proceeding well. The Competency Committee is chaired by Dr. Mark Crossman and there is a high degree of engagement of faculty across BC in the provision of educational experiences for PMR residents and medical students. In addition to Vancouver and Fraser teaching sites, residents have learning opportunities in Victoria, Nanaimo, Okanagan, and outreach clinics in Whitehorse.

## RESEARCH

UBC Research Funding/Grants: \$1.6 million  
Number of publications: 62

Faculty members in the division have continued to be very productive in research in 2022. Areas of research include: Spinal cord injury rehab, spasticity management, and stroke rehabilitation.

Division members are actively engaged in collaborative research with other centres and platforms such as ICORD, CanStroke Recovery Trials Platform and the Rehabilitation Research Program.

## 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 2022. 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 and dystonia. It has continued to deliver high quality workshops and research presentations virtually in 2022, offering them free of charge to clinicians and academics from around the world. CANOSC has attracted interest from other clinician-scientists with interest in advancing spasticity care and is gaining recognition on the international stage.

In April 2022, the 6-bed Transitional Rehabilitation Unit (TRU) received approval from VCH for implementation beyond being a pilot project. The TRU was created to address a gap in rehab care that often occurs for patients who are no longer needing acute care services but are not yet ready or able to move into an inpatient rehabilitation bed at G.F. Strong Rehab Centre. Its ongoing success makes it a model for consideration for other rehab facilities.

Dr. Janine Reid, Clinical Instructor and faculty member in Nanaimo, has established a physiatry outreach clinic in Power River and Sunneymuxw communities in 2022. This part of the province is greatly underserved and had very limited access to physiatry in the past. These outreach clinics not only bring physiatry expertise to the patients' community, but they also help address inequities due to geography and indigenous status. This type of new program development into underserved areas is an example of the impactful clinical work our division members are continuously undertaking.

# 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 (APEL) and the Legacy for Airway Health (LAH). As a clinician-scientist, Dr. Carlsten focuses on how air pollution affects our lungs and immune system in a public health context. Dr. Carlsten's leadership roles facilitate an integrated approach to advancing the goals of his faculty and the broader community by bridging divides of a conceptual, geographic, scientific, or political nature.

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 and thrives by collaborating and partnering with a diverse range of clinical and research groups and institutions. Reflecting the distributed medical school, there are a significant number of community respirologists distributed through the province affiliated formally as members of the division, with clinical, teaching and research portfolios reflecting our commitment to excellence.

The division's participation in a multi-site framework is oriented to engagement, equity, diversity, and inclusion that fosters a superlative product across the educational, care, and research spectrum. The division is centered on the belief that it serves with privilege the province's patients and communities, with special attention to the most vulnerable and at risk, and that it has an obligation to be role models for excellence in this arena.



## KEY SUCCESSES

- 5 new faculty appointments
- Division-wide team-based success in weathering the peak of the COVID pandemic, maintaining excellent clinic care and commitment in spite of the crushing strain
- Improved integration and cross-communication between VGH and SPH (combined weekly case conference and weekly academic seminar)



## KEY CHALLENGES

- Division-wide engagement in approach to goals. We are addressing through new strategic planning, the foundation of which is complete (with ongoing work on operationalizing)
- Support for junior and mid-career faculty. We are addressing through creative approaches to partnered awards, negotiations with UBC leadership, and ongoing fundraising
- Maintaining asthma clinical trials momentum upon passing of cherished colleague Dr. Mark FitzGerald. We are addressing through a reorganization of clinical trials structure

## FACULTY MEMBERS

Professors	9
Clinical Professors	4
Associate Professors	2
Clinical Associate Professors	12
Assistant Professors	2
Clinical Assistant Professors	27
Adjunct Professors	1
Affiliate Professors	1
Affiliate Assistant Professors	1
Honorary Professors	1
Visiting Professors	2
Clinical Administrators	4
Clinical Instructors	21
Emeriti	8

## MAJOR ACHIEVEMENTS

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

The division is recognizing the need for better integration of research and translation across and beyond the division, and has initiated the BC Respiratory Health Research Network.

## EDUCATION

UBC Education Program Directors:

- Gordon Kirkpatrick, PGME Director

Number of subspecialty Training program residents:

- 7 Respiratory Medicine Residents

## RESEARCH

UBC Research Funding/Grants: \$7.4 million

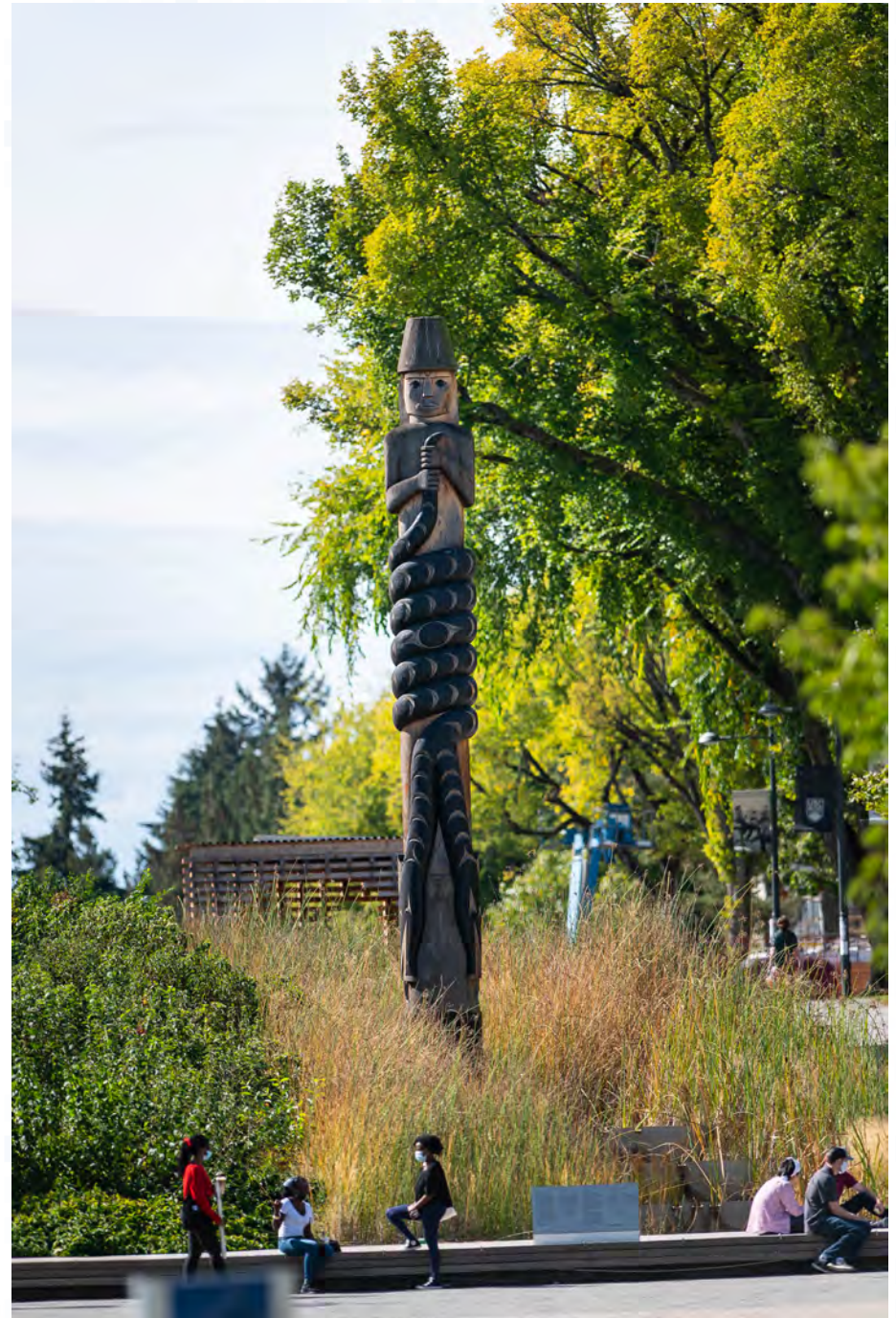
Number of publications: 190

The Centre for Heart Lung Innovation continues to grow with 38 Principal Investigators. In the past four years, HLI researchers have consistently authored over 300 peer-reviewed publications annually, including in high-impact journals such as Lancet, Nature Genetics, and British Medical Journal.

The Centre for Lung Health within Vancouver Coastal Health Research Institute has been revitalized through the in-depth engagement of local researchers and commitment to hire a new operational manager, promoting existing staff to clinical trials manager and grants facilitation manager.

## CLINICAL HIGHLIGHTS

- Full launch of the BC Lung Cancer Screening Program, due in significant part to Division member Dr. Stephen Lam
- Expansion of service for Interstitial Lung Diseases (ILD) with the hire of 2 new physicians (Drs. Daniel Marinescu and Gillian Goobie)





# division of RHEUMATOLOGY

## DIVISION OVERVIEW



Dr. Antonio Aviña-Zubieta  
Division Head

Dr. J. Antonio Aviña-Zubieta is an Associate Professor and Head of the UBC Division of Rheumatology. He is a senior research scientist with Arthritis Research Canada (ARC). His research primarily focuses on the disease burden and inflammation associated with systemic autoimmune rheumatic diseases (SARDs), and he is recognized for his expertise in using administrative data for health research. He has received prestigious awards and grants as a dedicated mentor and scholar, showcasing his commitment to advancing clinical research and improving patient care in rheumatology.

Dr. Raheem B. Kherani served as the Adult Rheumatology Program Director for the division having a very productive and exciting year transitioning out of the COVID-19 Global Pandemic. While taking advantage of the learning in the pandemic, the division was able to continue engagement of trainees and faculty with learning opportunities with patients on inpatient and outpatient services.

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. The division strives to provide excellence in clinical care, teaching and research.



### KEY SUCCESSES

- Providing high-quality, effective, and timely clinical care (in-hospital, outpatient, virtual), and advocating for increased services in underserved communities
- High-quality educational programs and clinics ensuring our model supports the needs of our learners, a healthy system, and the community
- Producing high-quality research (Arthritis Research Canada), reducing barriers to research progress, enabling a culture of collaboration, continuous improvement, and recognition for global excellence in academic research



### KEY CHALLENGES

- Improve compensation and recognition for division members who dedicate time to research
- Provide more mentorship to division members to incentivize participation in educational and research activities
- Facilitate communication between division members, clinicians, students, and residents

## FACULTY MEMBERS

Professors	1
Clinical Professors	5
Associate Professors	2
Clinical Associate Professors	12
Clinical Assistant Professors	26
Adjunct Professors	2
Clinical Instructors	18
Emeriti	2

## MAJOR ACHIEVEMENTS

After Dr. Kam Shojania stepped down at the end of 2021, Dr. Diane Lacaille served as Interim Division Head until June 2022. Dr. Antonio Aviña-Zubieta became Division Head in July 2022.

22 UBC Division of Rheumatology members were part of International, National and/or Local committees, guidelines, and/or advocacy groups including CRA/ACR/EULAR guidelines, Doctors of BC specialist Chair and BC Society of Rheumatology.

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

Dr. John Esdaile was awarded the Halsted R. Holman Award for excellence in clinical research in lupus at the international scientific meeting of Lupus 21st Century in Tucson, Arizona.

Dr. Diane Lacaille is the Principal Investigator on a 4-year \$450,000 Grant from The Arthritis Society entitled "FlexCare: Co-developing a Flexible Care Delivery Model for Inflammatory Arthritis". Collaborators of the project include Division members Drs. Mohamad Bardi, Jason Kur, and Kam Shojania.

Dr. J. Antonio Aviña-Zubieta is Co-Principal Investigator on a 2-year €63,000 Spanish Minister of Science and Innovation grant entitled "Disease Burden of Inflammatory Rheumatic diseases in Cataluña.

## EDUCATION

**UBC Education Program Directors:**  
Raheem Kherani, PGME Director

**Number of subspecialty Training program residents:**

- 10 Rheumatology Residents

The division hosted the 22nd Annual UBC Rheumatology Crash Course with residents from across the country and continued the tradition of a virtual OSCE for our new R4 trainees.

The Competence and Residency Program Committees continued to meet throughout the year with multiple program assistants with transitional

support from our Department of Medicine staff. The program received positive feedback from our collegial faculty, staff, and trainees in our External Review by the Royal College.

## RESEARCH

UBC Research Funding/Grants: \$238K  
Number of publications: 47

Research areas:

- arthritis
- lupus
- vasculitis
- population-based research
- quality assessment tools
- best practice guidelines

With 35 peer-reviewed publications in 2022, Division members engaged in a wide range of research activities, aiming to advance the understanding, diagnosis, and treatment of rheumatic diseases while also focusing on quality assessment and the well-being of healthcare providers.

## 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.

Dr. Kim Northcott established and organized the Vancouver Island Rheumatology Association. This association performs a biannual meeting with critical journal appraisal, visiting guest presenter and complex case discussion.

Dr. Mohammad Bardi established the Giant Cell Arteritis Fast Track Clinic at Mary Pack.

Dr. Alison Kydd completed the Physician Quality Improvement project with Island Health involving osteoporosis screening.

# 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. Dr. Kerr has published more than 700 scientific papers in international peer-reviewed journals and has received numerous local and national awards for his contributions to public health, human rights and the fight against HIV/AIDS.

The Division of Social Medicine encompasses the work of the BC Centre on Substance Use (BCCSU) and the Centre for Gender and Sexual Health Equity (CGSHE). The Division's academic and clinical researchers study the social, structural, environmental, and cultural determinants of health, as well as the delivery of healthcare and the effects of policy interventions, with a special focus on populations affected by discrimination and inequity. Members engage in a wide range of social epidemiology, social science, decolonizing research methods, community-based research, intersectional feminist approaches, clinical trials, health service evaluation, and basic science to help inform evidence-based prevention, treatment, and care solutions for marginalized communities and individuals. To that end, the Division of Social Medicine is committed to innovation, knowledge translation, and advocacy.



## KEY SUCCESSES

- The division now operates two distinct undergraduate medical electives, including the "Sexual Health" research elective (CGSHE) and the "Substance Use, Related Harms and Interventions" (BCCSU)
- Created three new grant tenure positions in 2022-2023
- Division members remain highly productive in terms of obtaining research grant funding and in producing high-quality research



## KEY CHALLENGES

- The division still includes several members on partner track or grant tenure track funding, with funding expiring for some members soon
- Given that most members are research rather than clinically focused, securing graduate-level trainees has been challenging and most often entails finding graduate students outside of the Faculty of Medicine

## FACULTY MEMBERS

Professors	4
Associate Professors	1
Clinical Associate Professors	1
Assistant Professors	9
Clinical Assistant Professors	2
Adjunct Professors	3
Affiliate Associate Professors	2
Affiliate Assistant Professors	4
Honorary Professors	2
Clinical Instructors	1

## MAJOR ACHIEVEMENTS

- Dr. Brittany Bingham was named 2022 Woman Changemaker of the Year by BC Business Magazine.
- Dr. Kate Shannon was awarded the 2022 Canadian Foundation for AIDS Research (CANFAR) Leadership Award.
- Drs. Andrea Krüsi, Eugenia Socías, Jade Boyd, and Danya Fast received Outstanding Academic Performance (OAP) awards from UBC's Faculty of Medicine.
- Dr. Seonaid Nolan succeeded in raising significant funding for a new clinical/research initiative called the "Road to Recovery."

## EDUCATION

### UBC Education Program Directors:

- Dr. Thomas Kerr, Director of Research, BC Centre on Substance Use (BCCSU)
- Dr. Kate Shannon, Director, Centre for Gender and Sexual Health Equity (CGSHE)

In 2022, the Division of Social Medicine continued to provide education and training opportunities for medical undergraduates, postgraduates and healthcare professionals in the areas of addiction care, harm reduction and sexual health, through programs at the BCCSU and CGSHE. Members guided students and trainees through FLEX projects (MEDD 419, 429 449), clinical and research fellowships, and inpatient/outpatient clinical skills training.

## RESEARCH

UBC Research Funding/Grants: \$8.4 million  
Number of publications: 171

The Division of Social Medicine, in 2022, successfully conducted important quantitative and qualitative research in substance use and gender/sexual health equity through the continuation of its cohort studies, epidemiology, social and community-based research, clinical research, and program evaluation, which resulted in over 100 publications in prominent journals such as *The Lancet*, *American Journal of Psychiatry*, *American Journal of Public Health*, *Addiction*, *Journal of Interpersonal Violence* and *International Journal of Drug Policy*.

BCCSU Cohort Studies – Funded by the US National Institutes of Health, the BCCSU operates three open prospective cohort studies: the Vancouver Injection Drug Users Study (VIDUS), the At-Risk Youth Study (ARYS) and the AIDS Care Cohort to Evaluate Exposure to Survival Services (ACCESS). These studies continue to follow thousands of individuals who use drugs and continue to serve as important infrastructure for the production of research products and training of the next generation of researchers. These studies also support a program of NIH-funded qualitative and ethnographic research.

CGSHE Cohort/Qualitative Studies: An Evaluation of Sex Workers Health Access (AESHA) – AESHA is a community-based research project that includes a quantitative cohort and qualitative/ethnographic arm. As part of the quantitative arm, AESHA operates a community-based prospective cohort that involves semi-annual questionnaires and sexual health research visits with our community-based staff. The qualitative arm focuses on documenting the lived experiences of sex workers of all genders, and third parties who provide services for sex workers, like receptionists, venue managers, owners, and security personnel.

Sexual Health & HIV/AIDS: Longitudinal Women's Needs Assessment (SHAWNA) – Building on ongoing partnerships and community-based research with women living with HIV since 2005, as well as extensive consultation with community, clinical, and policy experts, SHAWNA launched in 2015. The project actively follows over 350 cis and trans women living with HIV in Metro Vancouver through semi-annual visits. SHAWNA includes both a community-based longitudinal cohort (semi-annual community-administered interview questionnaire and a clinical sexual health research visit) and a qualitative arts-based research component.

## 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.

The Addiction Medicine Consult Team (AMCT) at St. Paul's Hospital involves several members of the Division of Social Medicine, including Dr. Seonaid Nolan, who serves as the Division Head for Providence Health Care's Interdepartmental Division of Addiction Medicine. Dr. Nolan has also succeeded in raising significant funding to support a new initiative titled the "Road to Recovery," which seeks to expand, streamline, and coordinate addiction services. The initiative will include a mixed methods evaluation component.

**DEPARTMENT OF MEDICINE**

The University of British Columbia

Vancouver Campus | Musqueam Traditional Territory

2775 Laurel Street | Vancouver BC

V5Z 1M9 Canada



**THE UNIVERSITY OF BRITISH COLUMBIA**

**Department of Medicine**

Faculty of Medicine