

Date: April 29, 2025

Name of Institution: The University of British Columbia

UBC Federal Wide Assurance Number for U.S. government funded studies: FWA00000668 UBC Clinical Research Ethics Board (CREB) IRB Identifier Number: IRB00001443

UBC CREB VOTING MEMBER Gender/Citizenship		REB POSITION (Alternate Designation)	HIGHEST DEGREE(S) EARNED	PRIMARY SCIENTIFIC OR NONSCIENTIFIC SPECIALTY	AFFILIATION WITH INSTITUTION	QUORUM DESIGNATION *
2	Dr. Philip Ainslie Male / Canadian	Voting Member Health and Exercise Sciences	PhD	Health and Exercise Science	Yes	В
3	Dr. Najib Ayas Male / Canadian	Voting Member	MD	Respiratory Medicine	Yes	В
4	Ms. Anjali Bauri Female / Canadian	Ad Hoc / non-voting member		Masters student Philosophy	Yes	Non-Voting
5	Dr. Celine Bergeron Female / Canadian	Voting Member (Alternate for N. Ayas)	MD, FRCPC	Respiratory Medicine	Yes	В
6	Dr. George Budd Male / Canadian	Voting Member (Alternate for L. Vu)	Parm.D	Pharmaceutical Sciences, Addiction Medicine	Yes	В
7	Dr. Rona Cheifetz Female / Canadian	Voting Member	MD MEd FRCSC	Surgery	Yes	В
8	Dr. Doris Doudet Female / Canadian	Voting Member	MD	Neurology	Yes	В
9	Dr. Hugh Freeman Male / Canadian	Voting Member (Co- Chair)	MD, FRC(C)	Gastroenterology	Yes	В
10	Ms. Julia Gill Female/Canadian	Voting Member (Alternate for J. Russell)	JD, MHSc	Bioethics	Yes	B, E
11	Dr. David Harriman Male / US	Voting Member	MD, FRCSC	Urologic Sciences	Yes	В
12	Dr. Samar Hejazi Female/Canadian	Voting Member	PhD	Statistics	Yes	В
13	Catherine Hogan Female / Canadian	Voting Member (Alternate for I. Sekirov)	MDCM, FRCPC	Pathology & Laboratory Medicine	Yes	В
14	Dr Stephen Hoption Cann Male / Canadian	Voting Member Chair	PhD	Epidemiology	Yes	В
15	Dr. Robin Hsiung Male / Canadian	Voting Member	MD, FRCPC, FACP	Neurology	Yes	В



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		(Alternate for D. Doudet)					
16	Dr. Jane Ingman Baker Female / Canadian	Voting Member (Alternate for B. Sullivan)	LLB	Law	Yes	L, B	
17	Ms. JoAnn Isaacson Female / Canadian	Voting Member		Community Member	No	C, N	
18	Kimberly Jameson Female / Canadian	Voting Member (Alternate for J. Russell)	PhD Candidate	Philosophy (Clinical Ethics)	Yes	E, N	
19	Dr. Sunil Kalia Male / Canadian	Voting Member	MD, FRCPC	Dermatology and Skin Science	Yes	В	
20	Dr. John Kramer Male / Canadian	Voting Member	PhD	Anesthesiology, Pharmacology, and Therapeutics, Kinesiology	Yes	В	
21	Dr. Ardis Krueger Female / Canadian	Ad hoc member for NHP reviews	ND	Natural Health Products	No	Н	
22	Dr. Nada Lallous Female / Canadian	Voting Member (Alternate for D. Harriman)	PhD	Urologic Sciences	Yes	В	
23	Dr. Tim Leung Male / Canadian	Voting Member (Alternate for L. Vu)	Pharm D	Pharmaceutical Sciences	Yes	В	
24	Daphne Ling Female / Canadian	Voting Member Graduate Student	B.Sc	Graduate Student	Yes		
25	Dr. Teresa Liu-Ambrose Female / Canadian	Voting Member	PhD	Physical Therapy	Yes	В	
26	Dr. David Liu Male / Canadian	Voting Member (Alternate for A. MacKay)	MD, FRCPC	Radiology / Biomedical Engineering	Yes	В	
27	Mr. William Liu Male / Canadian	Voting Member (alternate for B. Hofmann)	BHSc	Student	Yes	В	
28	Dr. Dustin Louie Faculty Education	Ad hoc Expert	PhD	Indigenous Education	Yes		
29	Dr. Christina Luong Female / Canadian	Voting Member	MD, FRCPC	Cardiology	Yes	В	
30	Kelsey Lynch Female / Canadian	Voting Member (Alternate for D. Ling)	MSc	Genetic counselling	Yes	B, E	
31	Dr. Alexander MacKay Male / Canadian	Voting Member	PhD	Radiology	Yes	В	
33	Dr. Orson Moritz Male / Canadian	Voting Member	MD	Ophthalmology and Visual Sciences	Yes	В	
34	Dr. Jeffrey Nacht Male / Canadian	Voting Member	MD	Orthopedic surgery	Yes	В	

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35	Dr. Ipek Oruc Female / Canadian	Voting Member (Alternate for Orson Moritz)	PhD	Ophthalmology and Visual Sciences	Yes	В
36	Dr. Jerilynn Prior Female / Canadian	Voting Member	MD	Endocrinology	Yes	В
37	Dr. Karim Qayumi Male / Canadian	Voting Member (Alternate for R. Cheifetz)	PhD FRCSC	Surgery	Yes	В
38	Dr. John Russell Male / Canadian	Ethicist	PhD	Philosophy (Ethics)	Yes	E, L, N
39	Dr. Frank Ryan Male / Canadian	Voting Member (Alternate for N. Ayas)	FRCPI, FRCPC	Respiratory	Yes	В
40	Dr. Mypinder Sekhon Male / Canadian	Voting Member	MD, PhD	Critical Care Medicine	Yes	В
41	Dr. Inna Sekirov Female / Canadian	Voting Member	PhD, FRCPC	Pathology & Laboratory Medicine	Yes	В
42	Dr. Robert Stowe Male / Canadian / American	Voting Member	MD	Neuropsychiatry	Yes	В
43	Mr. William (Bill) Sullivan, QC Male/Canadian	Voting Member	LLB	Law	No	L, N
44	Dr. Ly Vu Female / Vietnam	Voting Member	PhD	Pharmaceutical Sciences	Yes	В
45	Dr. Rizhi Wang Male / Canadian	Voting Member	PhD	Department of Materials Engineering and the School of Biomedical Engineering	Yes	В
46	Dr. Darwin Yeung Male / Canadian	Voting Member (Alternate for C. Luong)	MD, FRCPC	Cardiology	Yes	В
47	Dr. Sonia Yeung Female / Canadian	Voting Member (Alternate for O. Moritz)	MD, PhD	Ophthalmology	Yes	В

The changes reflected in this document are:

Removed: Bonnie MacKenzie

FOR ALL RESEARCH CONDUCTED UNDER THIS ASSURANCE, THE REB

CHAIRPERSON HEREBY ATTESTS THAT, EXCEPT WHERE SPECIFICALLY
WAIVED OR ALTERED BY THE IRB UNDER 45 CFR 46.116(c), 46.116(d), or 46.117(c), THE REB WILL UPHOLD THE REQUIREMENTS OF 45 CFR 46 FOR WRITTEN
INFORMED CONSENT, IN NONEXCULPATORY LANGUAGE UNDERSTANDABLE TO THE SUBJECT (OR THE SUBJECT'S LEGALLY AUTHORIZED REPRESENTATIVE),
INCLUDING THE FOLLOWING BASIC ELEMENTS PER 45 CFR 46.116(a/b):

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- (1) IDENTIFICATION AS RESEARCH; PURPOSES, DURATION, AND PROCEDURES; PROCEDURES WHICH ARE EXPERIMENTAL;
- (2) REASONABLY FORESEEABLE RISKS OR DISCOMFORTS;
- (3) EXPECTED BENEFITS TO THE SUBJECT OR OTHERS;
- (4) ALTERNATIVE PROCEDURES OR TREATMENTS;
- (5) EXTENT OF CONFIDENTIALITY TO BE MAINTAINED;
- (6) WHETHER COMPENSATION OR MEDICAL TREATMENT ARE AVAILABLE IF INJURY OCCURS (IF MORE THAN MINIMAL RISK);
- (7) WHOM TO CONTACT FOR ANSWERS TO QUESTIONS ABOUT THE RESEARCH, SUBJECT'S RIGHTS, AND RESEARCH-RELATED INJURY;
- (8) PARTICIPATION IS VOLUNTARY; REFUSAL TO PARTICIPATE WILL INVOLVE NO PENALTY OR LOSS OF BENEFITS TO WHICH SUBJECT IS ENTITLED; SUBJECT MAY DISCONTINUE AT ANY TIME WITHOUT PENALTY OR LOSS OF BENEFITS TO WHICH SUBJECT IS ENTITLED;
- (9) WHEN APPROPRIATE, ADDITIONAL ELEMENTS PER 45 CFR 46.116(b).

AS REB CHAIRPERSON, I HEREBY SO ATTEST

SIGNATURE:

Dr. Stephen Hoption Cann

DATE: Apr 29, 2025 TELEPHONE: 604-875-4149

ADDRESS: 210-828 West 10th Avenue

Vancouver, BC V5Z 1M9

- * All UBC CREB Members are voting members. A quorum compromises a minimum of five separate members from groups 1-4, with:
 - 1) at least two members with broad expertise in biomedical research (Scientific): **B**
 - 2) at least one member knowledgeable in the ethics of scientific research: E
 - 3) at least one member knowledgeable in law relevant to scientific research: L
 - 4) at least one member from the community who has no affiliation with the institution (Lay Member): C
 - 5) at least one member whose specialty is non-scientific (may also be from groups 1-4); N
 - 6) at least one member knowledgeable in therapeutic natural health products (ad hoc, for quorum only for review of therapeutic natural health products): H