

# THE UNIVERSITY OF BRITISH COLUMBIA

## Curriculum Vitae for Faculty Members

**Date:** March 22, 2019

**Initials:** SBC

1. **SURNAME:** Cameron

**FIRST NAME:** Scott

**MIDDLE NAME(S):** Brody

2. **DEPARTMENT/SCHOOL:**

Division of Allergy and Clinical Immunology

Department of Pediatrics

University of British Columbia

3. **FACULTY:** Medicine

4. **PRESENT RANK:** Clinical Instructor

**SINCE:** July 2013

5. **POST-SECONDARY EDUCATION**

University or Institution	Degree	Subject Area	Dates
Capilano University		Biology	1994-1996
Simon Fraser University	B.Sc.	Biochemistry/Genetics	1996-1998
University of British Columbia	Ph.D.	Immunology	1998-2004
University of Manitoba	M.D.	Medicine	2003-2007
University of British Columbia	FRCPC	Pediatrics	2007-2010
University of Manitoba	FRCPC	Clinical Immunology & Allergy	2010-2012

### **Special Professional Qualifications**

1	Fellow of the Royal College of Physicians of Canada - Pediatrics, 2011
2	Fellow of the Royal College of Physicians of Canada - Clinical Immunology & Allergy, 2012
3	College of physicians and Surgeons of BC, Full Registration, 2012

6. **EMPLOYMENT RECORD**

(a) *Prior to coming to UBC*

	Dates	Role
1	May 1997 - Sept 1997	Research Summer Studentship, Department of Immunology, Erasmus University, Rotterdam, The Netherlands
2	May 1998 - Sept 1998	Research Summer Studentship, Department of Immunology,

		Erasmus University, Rotterdam, The Netherlands
3	Sept 1998 - Aug 2003	MRC/CIHR Funded PhD Candidate
4	October 2012 - Present	Self-employed Community Pediatric Allergist and Clinical Immunologist

(b) *At UBC -*

	Dates	Role
1	July 2013 - Present	Clinical Instructor Department of Pediatrics, Division of Allergy & Immunology, UBC
2	July 2013 - Present	Clinical Instructor Division of (Adult) Allergy & Immunology, UBC
3	July 2015 - Present	Clinical Instructor Island Medical Program, Victoria Pediatrics Residency Program
4	July 2015 – Present	Pediatric Resident Research Director: Island Medical Program

(c) *Date of granting of tenure at UBC: not applicable*

## 7. LEAVES OF ABSENCE

	Dates	University	Type of Leave
1	February 2010 - May 2010	UBC	Paternity

## 8. TEACHING

(a) *Areas of special interest and accomplishments*

Education has been a passion of mine for the last 20 years, since I won a competitive presentation award in 1999 during my PhD at the University of British Columbia. Following that, I entered medical school at the University of Manitoba and volunteered to teach Immunology review lectures for my med school colleagues in first year medical school. These were so well received, I was invited by the student body to provide this lecture for the next three years to all first year medical undergraduate students. When I returned to the University of Manitoba as a Pediatric Allergy & Clinical Fellow, I was invited (this time as an official instructor) to present immunology lectures to first year medical students. My passion for teaching has continued ever since and I cannot imagine my practice without academic teaching.

My teaching philosophy is to provide constructs and motivation for learners, within which each individualized learner can learn to hone their own unique skills and interests, find their own personal fulfillment, and their own path to success. My experience practicing in a community setting allows me to identify areas where residents, family physicians, pediatricians, allergists

and clinical immunologists, and other specialists can make small changes to their daily practice that improve both efficiency and patient care for patients with allergic disease.

The three areas of special interest that I currently focus my efforts on are:

**The use of technology to improve patient care.**

I am an advocate and educator for the efficient use of electronic medical records, tablets use, and remote technology, such as MEDEO video conferencing software to communicate with patients. These all facilitate seamless patient care, follow-up, and patient education. Increased use of these tools by physicians will increase physician efficiency, patient knowledge and improve patient care. In addition, providing hands on teaching to physician colleagues and their office staff lowers the barrier for uptake of these essential tools.

**Improved management of food allergies and anaphylaxis.**

I had a vision to provide a more robust education my patients about anaphylaxis management in pediatric patients and developed an educational online video about the safety and effectiveness of epinephrine auto injectors. This video has not only helped my patients, but it has received over 243,000 views on YouTube! Patient and parent feedback has confirmed that this video has decreased anxiety and misunderstanding about when and how to use epinephrine. Additional patient educational videos are currently under development.

**Advocate for academic teaching with a community focus.**

Since starting practice as a community Pediatric Allergist and Clinical Immunologist in Victoria, I have been actively involved in teaching with three programs: the Pediatric Allergy and Clinical Immunology Program (UBC), the Adult Allergy and Clinical Immunology Program (UBC), and the Island Medical Program’s Pediatric Residency Program (UBC). I contribute to these programs through weekly participation in our distributed, online academic half-day as a presenter, supervisor, and member of our academic half day committee, and member of the residency training committee for both programs. Fellows perform a required one month community rotation in my office as part of their training.

I also assisted in the development of the Island Medical Program’s Pediatric Residency Program, by contributing to the development of horizontal rotation ‘block’ design our program utilizes. I am currently the Research Director for this program.

*(b) Courses Taught (Teaching without patient care)*

**Undergraduate (Medical Students)**

	Description	Duration	Number of Students	Year	Total Hours	Student Level
1	University of Manitoba Medicine Structure and Function (SF)-Lecturer, Large group lecture: Introduction to the Immune system	18 weeks	87	2011	1/yr (+20 hrs prep)	1 <sup>st</sup> year medical students
2	University of Manitoba Medicine	18 weeks	87	2011	1/yr	1 <sup>st</sup> year

	Structure and Function (SF)-Lecturer, Large group lecture: Cells of the immune response				(+20 hrs prep)	medical students
3	University of Manitoba Medicine Structure and Function (SF)-Lecturer, Large group lecture: Innate and specific Immunity	18 weeks	87	2011	1/yr (+20 hrs prep)	1 <sup>st</sup> year medical students
4	University of Manitoba Medicine Structure and Function (SF)-Lecturer, Small group teaching: Immune system review	18 weeks	14	2011	1/yr (+4 hrs prep)	1 <sup>st</sup> year medical students
5	UBC Foundations of Medical Practice (MEDD 411) – Lecturer, Large group lecture: Introduction to Immunology	17 weeks	288	2015	1/yr (+20 hrs prep)	1 <sup>st</sup> year medical students
6	UBC Foundations of Medical Practice (MEDD 411) – Lecturer, Large group lecture: Linking the innate and adaptive immune response	17 weeks	288	2015	1/yr (+20 hrs prep)	1 <sup>st</sup> year medical students
7	UBC Foundations of Medical Practice (MEDD 411) – Lecturer, Large group lecture: Introduction to Immunology	17 weeks	288	2016	1/yr (+6 hrs prep)	1 <sup>st</sup> year medical students
8	UBC Foundations of Medical Practice (MEDD 411) – Lecturer, Large group lecture: Linking the innate and adaptive immune response	17 weeks	288	2016	1/yr (+6 hrs prep)	1 <sup>st</sup> year medical students
9	UBC Foundations of Medical Practice (MEDD 411) – Lecturer, Large group lecture: Linking the innate and adaptive immune response	17 weeks	288	2017	1/yr (+6 hrs prep)	1 <sup>st</sup> year medical students
10	UBC Foundations of Medical Practice (MEDD 411) – Lecturer, Large group lecture: Linking the innate and adaptive immune response	17 weeks	288	2017	1/yr (+6 hrs prep)	1 <sup>st</sup> year medical students

### **Brief Description of Courses Taught**

#### **Structure and Function (University of Manitoba)**

This 18-week course is delivered in the first term of Winter Session in Year 1. It begins by orienting students to the University of Manitoba, Faculty of Medicine, Medical Undergraduate Program (MDUP) and sets expectations of the medical profession. It includes a brief review of basic principles of human biology. In addition, students will start their first small group case-based learning tutorials. The educational goals of each individual week are anchored by specific clinical presentations, which are explored through case-based presentations in small group sessions, lectures, labs, self-directed learning activities, and clinical experiences.

#### **MEDD 411 - Foundations of Medical Practice (University of British Columbia)**

This 17-week course is delivered in the first term of Winter Session in Year 1. It begins by orienting students to the UBC Faculty of Medicine Medical Undergraduate Program (MDUP) and sets the expectations of the medical profession. It includes a brief review of basic principles of human biology and introduces the CanMEDS competency domains. In addition, the course introduces students to the importance of collaborative, interprofessional education and practice. It also introduces students to various areas of knowledge, skills, and concepts that will support their undergraduate medical education at UBC. In addition, students will start their first small group case-based learning tutorials. Students will also be introduced to assessment methods used in the program. The educational goals of each individual week are anchored by specific clinical presentations, which are explored through case-based presentations in small group sessions, lectures, labs, self-directed learning activities, and clinical experiences (both simulated and real).

This course supports an introductory-level understanding of core medical concepts and skills. This core knowledge will prepare students to approach clinical presentations with increased depth and complexity expected in subsequent courses including MEDD 412 and MEDD 421, and MEDD 422.

### **Postgraduate (Residents)**

Year/Month	Course/Session	Trainees	Class Size	Hours Taught
July 2013	Half day lecture: Allergy & Clinical Immunology Introduction to immunology	Allergy & Clinical Immunology Fellows	15	1
July 2013	Half day lecture: Allergy & Clinical Immunology The innate immune system	Allergy & Clinical Immunology Fellows	15	1
August 2013	Half day lecture: Allergy & Clinical Immunology The adaptive immune system	Allergy & Clinical Immunology Fellows	15	1
December 2014	Presenter for Family Medicine academic half day – The wheezing preschooler: What do I do with this kid?	Family Medicine Residents	25	1
March 2014	Half day lecture: Pediatric Condition Falsification Disorder	Allergy & Clinical Immunology Fellows	15	2
July 2014	Half day lecture: Allergy & Clinical Immunology Introduction to immunology	Allergy & Clinical Immunology Fellows	15	1
July 2014	Half day lecture: Allergy & Clinical Immunology The innate immune system	Allergy & Clinical Immunology Fellows	15	1
August 2014	Half day lecture: Allergy & Clinical Immunology The adaptive immune system	Allergy & Clinical Immunology Fellows	15	1

July 2015	Half day lecture: Allergy & Clinical Immunology Introduction to immunology	Allergy & Clinical Immunology Fellows	15	1
July 2015	Half day lecture: Allergy & Clinical Immunology The innate immune system	Allergy & Clinical Immunology Fellows	15	1
August 2015	Half day lecture: Allergy & Clinical Immunology The adaptive immune system	Allergy & Clinical Immunology Fellows	15	1
August 2015	Half day lecture: Allergy & Clinical Immunology Introduction to phagocytic disorders	Allergy & Clinical Immunology Fellows	15	1
December 2015	Presenter for Family Medicine academic half day - Food allergies in children and how to manage them in practice.	Family Medicine Residents	25	1
May 2016	Presenter for Family Medicine academic half day – The wheezing preschooler: What do I do with this kid?	Family Medicine Residents	25	1
June 2016	Half day lecture: Allergy & Clinical Immunology teaching sessions -Teaching Senior fellows: Transition to practice	Allergy & Clinical Immunology Fellows	15	1
July 2016	Half day lecture: Allergy & Clinical Immunology Introduction to immunology	Allergy & Clinical Immunology Fellows	15	1
July 2016	Half day lecture: Allergy & Clinical Immunology The innate immune system	Allergy & Clinical Immunology Fellows	15	1
August 2016	Half day lecture: Allergy & Clinical Immunology The adaptive immune system	Allergy & Clinical Immunology Fellows	15	1
April 2017	Presenter for Family Medicine academic half day - Food allergies in children How to manage them in practice.	Family Medicine Residents	25	1
June 2017	Half day lecture: Allergy & Clinical Immunology teaching sessions -Teaching Senior fellows: Transition to practice	Allergy & Clinical Immunology Fellows	15	1
July 2017	Half day lecture: Allergy & Clinical Immunology Introduction to immunology	Allergy & Clinical Immunology Fellows	15	1
July 2017	Half day lecture: Allergy & Clinical Immunology The innate immune system	Allergy & Clinical Immunology Fellows	15	1
August 2017	Half day lecture:	Allergy & Clinical	15	1

	Allergy & Clinical Immunology The adaptive immune system	Immunology Fellows		
May 2018	Presenter for Family Medicine academic half day - The wheezing preschooler: What do I do with this kid?	Family Medicine Residents	25	1
June 2018	Half day lecture: Allergy & Clinical Immunology teaching sessions -Teaching Senior fellows: Transition to practice	Allergy & Clinical Immunology Fellows	15	1
July 2018	Half day lecture: Allergy & Clinical Immunology Introduction to immunology	Allergy & Clinical Immunology Fellows	15	1
July 2018	Half day lecture: Allergy & Clinical Immunology The innate immune system	Allergy & Clinical Immunology Fellows	15	1
August 2018	Half day lecture: Allergy & Clinical Immunology The adaptive immune system	Allergy & Clinical Immunology Fellows	15	1
April 2019	Presenter for Family Medicine academic half day - Food allergies in children How to manage them in practice.	Family Medicine Residents	25	1
April 2019	Half day lecture: Pediatric Condition Falsification Disorder	Allergy & Clinical Immunology Fellows	15	2

**Please note:** Hours taught do not include lecture/teaching preparation time.

*c) Other Teaching of Undergraduates, Graduates and Postgraduates*

**Postgraduate Student (Pediatric Residents)**

Year/Month	Type of student	Hours Taught
2015 - Present	Teaching of Pediatric residents PGY1-PGY-4 (7 residents each year x 3days/yr =6h)	42
2017 - Present	Research Mentor, Department of Pediatrics (Vancouver Island program) Title: Comparison of supervised epinephrine auto-injector administration in a cohort of children with anaphylaxis during oral food challenges treated in a community practice versus tertiary pediatric hospital.	44
2018 - Present	Research Mentor, Department of Emergency Medicine (Vancouver Island program) Title: Nurse-activated protocol for the initial emergency department (ED) management of hereditary angioedema (HAE)	44

**Postgraduate (Pediatric Resident Research Director Duties, Island Medical Program)**

Year/Month	Specific Duties	Hours Taught
2015 - Present	Pediatric Residency Program Research Committee Meetings, 4 times per year	18
2015 - Present	Pediatric Residency Program Research Committee Meetings, 4 times per year	18

**Postgraduate (Clinical Instructor, Pediatric Clinical Immunology & Allergy Fellowship)**

Year/Month	Specific Duties	Hours
2013 - Present	Pediatric Allergy & Clinical Immunology Residency Program Committee Meetings, 4 times per year	6h/y
2013 - Present	Allergy and Immunology distributed academic half day Program Director committee meetings (community allergy representative)	2hr/yr
2013 - Present	*Pediatric & Adult Allergy Academic Half Day supervisor	65 h/year
2013 - Present	*Senior fellow practice OSCE examiner	4h/year

**Postgraduate (Clinical Instructor, Adult Clinical Immunology & Allergy Fellowship)**

Year/Month	Specific Duties	Hours
2013 - Present	Adult Allergy & Clinical Immunology Residency Program Committee Meetings, 4 times per year	6hr/yr
2013 - Present	Allergy and Immunology distributed academic half day Program Director committee meetings (community allergy representative)	2hr/yr
2013 - Present	*Pediatric & Adult Allergy Academic Half Day supervisor	65 h/year
2013 - Present	*Senior fellow practice OSCE examiner	4h/year

\*Combined teaching with both Pediatric and Adult Allergy & Clinical Immunology Fellowship Programs therefore, these hours are the same hours in both tables.

d) Students Supervised (Teaching with patient care)

**Undergraduate Students**

Year	Student (names)	Degree of Study	Supervisory Role	Hours
2012 - 2013	3 <sup>rd</sup> year medical students	MD	Pediatric rotation Victoria CTU supervisor (1 week)	40

**Postgraduate Students Supervised**



Year	Student (names)	Degree of Study	Supervisory Role	Hours
2012	Sara Leo (UBC)	FRCPC	Fellow-in-training, Pediatric Allergy & Clinical Immunology	4 weeks
2014	Tiffany Wong (UBC)	FRCPC	Fellow-in-training, Pediatric Allergy & Clinical Immunology	4 weeks
2015	Manstein Kan (UBC)	FRCPC	Fellow-in-training, Adult Allergy & Clinical Immunology	4 weeks
2016	Alexander Lyttle (UBC)	FRCPC	Fellow-in-training, Pediatric Allergy & Clinical Immunology	4 weeks
2017	Persia Pourshanazari (UBC)	FRCPC	Fellow-in-training, Adult Allergy & Clinical Immunology	4 weeks
2017	Victoria Cook (UBC)	FRCPC	Fellow-in-training, Pediatric Allergy & Clinical Immunology	4 weeks
2018	Hanan Ahmed (UBC)	FRCPC	Fellow-in-training, Adult Allergy & Clinical Immunology	4 weeks
2018	Raymond Mak (UBC)	FRCPC	Fellow-in-training, Adult Allergy & Clinical Immunology	4 weeks

#### Students supervised for research projects or conference presentations

Year	Name	Degree of Study	Project	Program (Hours supervised)
2015-2018	Matt Harding	FRCPC (PGY3)	Pathways project: Multicystic kidney disease investigation algorithm	6
2015 - Present	Steve Leung	FRCPC (PGY4)	Publication (in progress) Title: Teenager with acute liver failure when it is not acetaminophen toxicity	8
2016 - Present	Emma McCutcheon	FRCPC (PGY3)	Sexual Health Counselling and Contraception in Pediatric Inpatients (QI)	6
2016 - Present	Tanya Marciniuk	FRCPC (PGY3)	Sexual Health Counselling and Contraception in Pediatric Inpatients (QI)	6
2017 - Present	Mitchell Farmer	FRCPC (PGY2)	Are parent and child self-recognition and treatment of anaphylaxis with an epinephrine autoinjector improved if self-administered during oral food challenges in a community allergy clinic?	44
2017 - Present	Mia Frankl	FRCPC (PGY2)	Promotion of Early Childhood Literacy in Outpatient Pediatric Clinics (QI/Advocacy)	6
2018 - Present	Christopher Harper	FRCPC (PGY1)	Increasing Use of Suboxone in Opioid-Addicted Teens in a Tertiary Care	4

			Centre (QI/Advocacy)	
2018 - Present	Barbara Lelj	FRCPC (PGY1)	Ongoing identification of research focus	2

(e) Continuing Education Activities

**1. Activities as presenter/facilitator at CME Courses (UBC and non-UBC)**

<b>Date</b>	<b>Description of Activity</b>	<b>Hours</b>
December 2013	Presentation for Grand Rounds at Royal Jubilee Hospital (Victoria) Title: Drug Allergy Review	6
February 2014	Organizer and presenter of Southern Vancouver Island Pediatric Accuro User Group Conference – a 40 person CME-accredited conference on optimizing EMR use in pediatric community practice	30
May 2014	Presentation for Family MD Education Day (Victoria) Title: What to tell mom? How to prevent food allergies, and do foods have anything to do with eczema?	6
May 2014	Presentation at the BC Allergy and Clinical Immunology retreat Title: Pediatric Condition Falsification (PCF) Presenting as an Allergy	6
October 2015	Presentation at Family MD Dine and Learn (Victoria Division of Family Practice - CME event) Title: Food Allergies in Children - Case Studies and Canadian Guidelines Update	6
October 2016	Presentation for BC Allergy Society – CME Allergy Update Presentation Title: Anaphylaxis Mis-management	6
October 2016	Presentation for BC Allergy Society – CME Allergy Update Title: Non IgE-mediated Food Allergy	4.5
January 2017	Presentation for Newborn Grand Rounds at Victoria General Hospital Title: Food Allergies in Infants - Identification and Prevention	6
May 2017	Invited speaker at the Canadian Pediatric Society (CPS) Annual Conference Title: Tips to Keep Your Asthmatic Patients Out of Hospital This Fall	7
October 2017	Presentation for BC Allergy Society – CME Allergy Update Title: Anaphylaxis Mis-management	3
March 2018	Presentation at 11 <sup>th</sup> Annual Pediatric Allergy and Dermatology Conference for the Practitioner Title: Hives in a Hurry	2.2
March 2018	Presentation at 11 <sup>th</sup> Annual Pediatric Allergy and Dermatology Conference for the Practitioner Title: Respiratory Cases	6
April 2018	Presentation at Victoria Hematopathology Rounds Title: Review of Complex Primary Immunodeficiency Cases	8
September 2018	Presentation for Victoria Division of Family Practice Title: Management of Pediatric Eczema	7
March 2019	Presentation for South Island Division of Family Practice Title: Non IgE-Mediated Allergies	7

## 2. CME activities as an attendee

Date	CME Event
2011	American Academy of Allergy Asthma and Immunology Annual Scientific Meeting (San Francisco)
2011	Canadian Society of Allergy and Clinical Immunology Annual Scientific Meeting (Quebec City)
2013	Canadian Society of Allergy and Clinical Immunology Annual Scientific Meeting (Toronto)
2014	Canadian Society of Allergy and Clinical Immunology Annual Scientific Meeting (Ottawa)
2014	Southern Vancouver Island Pediatric Accuro User Group Conference (Victoria)
2014	BC Allergy and Clinical Immunology Spring Conference (Parksville)
2015	Canadian Pediatric Society Annual Conference (Toronto)
2015	Canadian Society of Allergy and Clinical Immunology Annual Scientific Meeting (Vancouver)
2016	BC Allergy Society- Allergy Update Conference (Vancouver)
2016	Canadian Society of Allergy and Clinical Immunology Annual Scientific Meeting (Montreal)
2017	Canadian Pediatric Society Annual Conference (Vancouver)
2017	BC Allergy Society- Allergy Update Conference (Vancouver)
2018	11 <sup>th</sup> Annual Pediatric Allergy and Dermatology Conference for the Practitioner (Whistler)
2018	Clinical Immunology Society Annual Scientific Meeting (Toronto)

(f) *Visiting Lecturer*

(g) *Educational Leadership*

Date	Activity	Description	Hours
February 2014	Southern Vancouver Island Pediatric Accuro User Group Conference	Chief organizer, of a 40 person CME accredited conference on optimizing EMR use in pediatric community practice	30 h
October 2015	Simulation workshop committee chair for the Canadian Society of Allergy and Clinical Immunology Annual Scientific Meeting (Vancouver)	Simulation workshop committee chair: Development of objectives, and implementation of simulation sessions for three concurrent workshops employing simulation at annual meeting for 100 Allergist and immunologists.	30 h

(h) *Curriculum Development & Innovation- Postgraduate*

During my time as a Fellow in the Pediatric Allergy and Clinical Immunology at the University of Manitoba, I started a pilot project to share the academic half-day teaching with the Pediatric Allergy and Immunology program at BC children's hospital. Since the start of this pilot project

in 2010, this collaborative, distributed academic half-day has grown from 2 programs to 6 across the country (located at the University of British Columbia, University of Manitoba, Western University and Dalhousie University) thanks to the hard work of the Chair (Dr. Kyla Hildibrand), and members of our Distributed Academic Half-Day Committee.

I continue to contribute to this valuable teaching tool as the only Community Representative of the Distributed Half-Day Committee. My continued involvement with this teaching improvement project ensures that our learning objectives meet the learning needs of Allergists and Clinical Immunologists who will work in the community, rather than the university hospital setting. Ongoing contributions to this project continues to generate numerous research collaborations and opportunities to informally mentor newly graduated trainees from the participating sites. This project has resulted in a strong sense of community within our specialty.

Since the development of the Island Medical Program Pediatric Residency program, I have contributed to the development, and refinement of our horizontal block system which we use to ensure our pediatric residents meet the Royal College requirements for training in subspecialty and general pediatric rotations when their clinic experiences are spread over three years of their residency. This has included the development of learning objectives and reading objectives for each clinic day, as well as tracking of our resident’s progress through these non-consecutive clinic experiences.

<b>Date</b>	<b>Activity</b>	<b>Description</b>	<b>Hours</b>
July 2013 - Present	Community member of the Allergy & Clinical Immunology Distributed Half-Day Committee	Contribution to half-day planning and development	4 h/year
November 2014- Present	Island Medical Program Pediatric Resident Program Training Committee	Contribution to design and assessment of horizontal block rotations in general pediatrics and pediatric subspecialties	3 h/year

*(i) Other Teaching & Learning Activities*

<b>Date</b>	<b>Activity</b>	<b>Description</b>	<b>Hours</b>
2015 – Present	Pediatric and Adult Allergy & Clinical Immunology academic half-day lectures, quiz question writer	Contribute questions for fellows for assessment of learning following academic half-day session	1 h/year

**9. SCHOLARLY AND PROFESSIONAL ACTIVITIES**

*(a) Areas of special interest and accomplishments (150 words)*

In addition to the above educational activities and scholarship, I have been a contributor to a numbers of research projects at UBC, and through collaborations with colleagues across Canada. These include:

**Development of two youtube videos to improve anaphylaxis management by patients, parents and medical professionals.** This was the result of a collaboration between myself and colleagues at the University of Manitoba to reduce fear and uncertainty around the use of anaphylaxis autoinjectors for the treatment of anaphylaxis. Our first video has been viewed over 240,000 times on youtube :  
<https://www.youtube.com/watch?v=DzGMZth5YEA>

**Senior scientist on a cross-Canada collaboration looking at real-world oral immunotherapy to food in preschoolers.** This quality improvement collaboration involves 18 other colleagues across Canada, and is already resulting in national changes to the treatment of preschoolers with food allergies, and a publication.

**Member of the Canadian Society of Allergy and Clinical Immunology (CSACI) Oral Immunotherapy guideline committee.** I am currently generating a collaborative position statement, endorsed by the CSACI, on appropriate safety measures to have in place in order to safely provide immunotherapy, and food challenges in Canada.

Date	Panel	Role
<b>National</b>		
August 2018-Present	Canadian Society of Allergy and Clinical Immunology oral immunotherapy guideline committee	Member of guideline development committee tasked with review of evidence for safety, and risk reduction of immunotherapy provision in Canada
<b>Provincial</b>		
June 2014-July 2017	BC Ambulance anaphylaxis management update	Provided expert advice on behalf of the BC Society of Allergy and clinical immunology to rewrite the BC ambulance anaphylaxis protocol. This successful effort has brought the care of BC patients with anaphylaxis in line with the current standard of care
January 2016-August 2016	Food Safe BC	Provided expert medical review on food allergen avoidance and allergen safe food practices into current revision of current food safe BC training course
June 2018-February 2019	Nurse-initiated anaphylaxis treatment decision support tool development group	Provided expert advice on behalf of the BC Society of Allergy and clinical immunology to write and medically review an anaphylaxis management protocol, and teaching module for nurses across BC.

(f) *Conference Participation (Organizer, Chair, Moderator, etc.)*

Date	Description
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1	February 2014	Conference organizer and Chair Southern Vancouver Island Pediatric Accuro User Group Conference, a CME-accredited event to improve pediatricians use of their EMR system.
2	October 2015	Simulation workshop committee chair for the Canadian Society of Allergy and Clinical Immunology (CSACI) Annual Scientific Meeting
3	August 2018 - Present	Canadian Society of Allergy and Clinical Immunology (CSACI) , Annual Scientific Meeting Planning committee member

(g) *Other Presentations*

Date	Role	Organization/Institution/Event	Title	Location
2016	Presenter	Cordova Bay Co-Op Preschool parent education night	Preschool Allergies	Victoria
2017	Presenter	Cordova Bay Co-Op Preschool parent education night	Preschool Allergies	Victoria
2018	Presenter	Cordova Bay Co-Op Preschool parent education night	Preschool Allergies	Victoria
2018	Presenter	District of Victoria, District of Saanich, and District of Sooke parent advisory committee meeting presentation for parent education	Food Allergies in School	Victoria

(h) *Other Scholarship of Education Activities*

(i) *Other Professional Contributions*

	Date	Description
1	February 2017	Medical expert review of educational session for Food Allergy Canada. Title: Foundations in food allergy

**10. SERVICE TO THE UNIVERSITY**

(a) *Areas of special interest and accomplishments*

**Pediatric Resident Research Director: Island Medical Program.**

My prior PhD, and my experience with launching a small randomized control trial during my fellowship have left me well equipped to direct our island pediatric residents towards successful completion of their royal college residency research requirements. In this role I meet at least twice yearly with each of our residents. I am also in communication regularly via email and phone, and steer them through the research process. I help focus their research questions, facilitate ethics approvals and provide advice on dealing with mentors and co-authors. I document their progress, help troubleshoot when they are stuck, and keep them on track. Finally, I attend research committee meetings with my colleagues at BCCH.

(b) *Memberships on committees, including offices held and dates*

Date	Committee title	Role/details
<b>Department of Pediatrics</b>		
July 2013 - Present	Pediatric Allergy & Clinical Immunology Program Committee	Community representative member Meetings 4x year
2015 - Present	BCCH Pediatric Research Committee	Member Meetings 4x year
2015 - Present	Island Medical Program Pediatric Resident CARMs Committee Member	Participate in CARMs file review, interviews, and CARMs ranking deliberation process (30 candidates /year)
<b>Faculty of Medicine</b>		
July 2013 - Present	Adult Allergy & Clinical Immunology Fellowship Program Committee	Community representative member Meetings 4x year

(c) *Faculty mentoring*

**Mentorship of Early Career Faculty: Informal**

Date	Faculty Member
2017- Ongoing	Dr. Victoria Cook, UBC

I have been an informal mentor to Dr. Victoria Cook as she transitions from practice at BC Children’s hospital, to community practice. This mentoring has centered on work life balance, practice management, EMR optimization, and scheduling of both patients and learners in a new office.

(d) *Other service, including dates*

**11. SERVICE TO THE HEALTH PROFESSIONS/HEALTH AUTHORITIES**

(a) *Areas of special interest and accomplishments*

**Revision of the BC Ambulance protocol for managing anaphylaxis.**

Following the review of several reported cases of poorly managed anaphylaxis by allergists across the province, I along with colleagues at Food Allergy Canada advocated for and initiated a review of the anaphylaxis management guideline with the BC ambulance service. This resulted in drastic changes to treatment of patients with anaphylaxis and has resulted in improvement of medical management and safety of patients transported to hospital with anaphylaxis across BC. I am currently involved with the Canadian Society of Allergy and Immunology in trying to encourage similar changes for ambulance services in other provinces across Canada.

**Development of a Nurse-initiated anaphylaxis treatment decision support tool for all nurses in the Province of BC.**

Following a needs assessment by the Northern Health authority, I was invited to be the medical expert in the development of a province wide nurse-initiated anaphylaxis treatment tool. This included the development of background educational information for successful diagnosis of anaphylaxis, the development of a treatment algorithm, and development of a teaching module to be used to educate nurses on the practice management changes.

*(b) Memberships on committees, including offices held and dates*

<b>Date</b>	<b>Panel</b>	<b>Role</b>
<b>Provincial</b>		
June 2014- July 2017	BC Ambulance Anaphylaxis management update	Provided expert advice on behalf of the BC Society of Allergy and clinical immunology to rewrite the BC ambulance anaphylaxis protocol. This successful effort has brought the care of BC patients with anaphylaxis in line with the current standard of care
January 2016-August 2016	Food Safe BC Review Committee	Expert medical review of food allergen avoidance and allergen safe food practices, incorporated into current revision of current food safe BC training course
June 2018-February 2019	Nurse initiated anaphylaxis treatment decision support tool development group	Provided expert advice on behalf of the BC Society of Allergy and clinical immunology to write and medically review an anaphylaxis management protocol, and teaching module for nurses across BC.

*(c) Other service, including dates*

<b>Date</b>	<b>Details</b>
October 2011	Invited presenter for the Canadian Society of Allergy and Clinical Immunology (CSACI) allied health session: Asthma – 411: What’s new in the last 2 years
2012-Present	VIHA Medical Staff Association Member
September 2013	Invited presenter for Vancouver Island Health Authority (VIHA) public health nurses: Anaphylaxis and anaphylaxis mimics following immunization
May 2016	Invited presenter at the 1st Annual Multi-Therapeutic Education Day for Community Pharmacists in Victoria: Mismanaged anaphylaxis: Role of the pharmacist in improving patient management of anaphylaxis

**12. SERVICE TO THE COMMUNITY**



(a) *Areas of special interest and accomplishments*

<b>Date</b>	<b>Details</b>
December 2017 - Present	Met with local school boards administration to work on improving anaphylaxis management for patients in their schools, and improve enforcement of their own food allergy policies to improve the care of my patients. Identified a systemic problem- and worked with the school boards to address this for pediatric patients with food allergies.

(b) *Memberships on scholarly societies, including offices held and dates*

<b>Date</b>	<b>Name of Scholarly Society</b>
<b>Provincial</b>	
2012 - Present	British Columbia Society of Allergy & Immunology (BCSAI), member
2012 - Present	BC Pediatrics Society, Associate
<b>National</b>	
2007 - Present	Canadian Pediatric Society, Member
2010 - Present	Canadian Society of Allergy & Clinical Immunology (CSACI), Member
2018 - Present	Canadian Clinical Immunology Society, Member
<b>International</b>	
2018 - Present	Clinical Immunology Society, Member

(c) *Memberships on other societies, including offices held and dates*

(d) *Memberships on scholarly committees, including offices held and dates*

2018-ongoing	Canadian Society of Allergy and Clinical Immunology Annual meeting planning committee
2018-ongoing	Canadian Society of Allergy and Clinical Immunology Oral Immunotherapy guideline committee

(e) *Memberships on other committees, including offices held and dates*

(f) *Editorships (list journal and dates)*

(g) *Reviewer (journal, agency, etc. including dates)*

<b>Date</b>	<b>Journal Reviewer</b>
2013 - Present	Position: Invited Peer Reviewer

- (h) External examiner (indicate universities and dates)
- (i) Consultant (indicate organization and dates)
- (j) Other service to the community

	Date	Service to Community
1	Jan 2015	Event: Interview for Times Colonist Newspaper Title: Dietitians help plan meals for kids with food allergies. Author: Richard Watts Source: <a href="http://www.timescolonist.com/dietitians-help-plan-meals-for-kids-with-food-allergies-1.1747234">http://www.timescolonist.com/dietitians-help-plan-meals-for-kids-with-food-allergies-1.1747234</a>
2	April 2016	Event: News Interview for CTV Vancouver Title: Like a bad dream: Parents unable to kiss months-old 'bubble baby'. Reporter: Bhinder Sajan Source: <a href="https://bc.ctvnews.ca/like-a-bad-dream-parents-unable-to-kiss-months-old-bubble-baby-1.2876203">https://bc.ctvnews.ca/like-a-bad-dream-parents-unable-to-kiss-months-old-bubble-baby-1.2876203</a>
3	Feb 2019	Event: Interview for Goldstream Gazette/Saanich News Title: West Shore fundraiser serves up hope for kids with food allergies. Author: Rick Stiebel Source: <a href="https://www.saanichnews.com/community/west-shore-fundraiser-serves-up-hope-for-kids-with-food-allergies/">https://www.saanichnews.com/community/west-shore-fundraiser-serves-up-hope-for-kids-with-food-allergies/</a>
4	Feb 2019	Event: Gave Presentation at Community Fundraiser Event in Victoria for the Oral Immunotherapy Research Program At BC Children’s Hospital Title: Skating for Food Allergies Source: <a href="https://secure.bcchf.ca/SuperheroPages/main.cfm?Event=ICE&amp;Member=94161">https://secure.bcchf.ca/SuperheroPages/main.cfm?Event=ICE&amp;Member=94161</a>

### 13. AWARDS AND DISTINCTIONS

- (a) Awards for Teaching (indicate name of award, awarding organizations, date)

2017	UBC Department of Family Medicine, Vancouver Island training site academic half day “ <b>Presenter of the year</b> ” as nominated by Family Medicine Residents.
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- (b) Awards for Scholarship (indicate name of award, awarding organizations, date)

Year	Award
1998	Award: Best Overall Presentation Event: Experimental Medicine Student Research Day Organization: UBC
1999	Award: Best Overall Presentation Event: Experimental Medicine Student Research Day Organization: UBC
1999	Award: Best Presentation

	Event: Young Investigators Forum Organization: Canadian Society for Clinical Investigation (CSCI)
2000	Award: Gold Poster Event: Student Research Days Organization: Medical Research Council (MRC)
2000	Award: Best Overall Presentation Event: Experimental Medicine Student Research Day Organization: UBC
2001	Award: Best Overall Presentation Event: Experimental Medicine Student Research Day Organization: UBC
2008	Award: Junior Resident of the Year Event: Pediatric Residency Organization: UBC Department of Pediatrics
2012	Award: Best Oral Presentation Event: Pediatric Fellow Research Day Organization: University of Manitoba

(c) *Awards for Service (indicate name of award, awarding organizations, date)*

(d) *Other Awards*

**14. OTHER RELEVANT INFORMATION (Maximum One Page)**

**THE UNIVERSITY OF BRITISH COLUMBIA**  
**Publications Record**

**SURNAME:** Cameron

**FIRST NAME:** Scott

**Initials:** SBC

**MIDDLE NAME(S):** Brody

**Date:** April 1<sup>st</sup> 2019

**1. REFEREED PUBLICATIONS**

(a) *Journals*

1	FA	'The <i>in vivo</i> response to Toxic Shock Syndrome Toxin-1 (TSST-1) in a murine model system: Role of IFN-gamma and IL-10 in pathogenesis' <b>Cameron SB</b> , Kum WWS, <i>Chow AW</i> JOURNAL OF INVESTIGATIVE MEDICINE 48 (1): 225 Suppl. S Jan 2000
2	FA	'Regulation of helper T cell responses to staphylococcal superantigens' <b>Cameron SB</b> , Nawijn MC, Kum WWS, Savelkoul HFJ, <i>Chow AW</i> EUROPEAN CYTOKINE NETWORK 12 (2): 210-222 APR-JUN 2001
3	CA	'Temporal sequence and kinetics of pro-inflammatory and anti-inflammatory cytokine secretion induced by toxic shock syndrome toxin-1 in human peripheral blood mononuclear cells' Kum WWS, <b>Cameron SB</b> , Hung RWY, Kalyan S, <i>Chow AW</i> INFECTION AND IMMUNITY 69 (12): 7544-7549 DEC 2001
4	CA	'Temporal sequence and functional implications of V beta-specific T cell receptor down-regulation and costimulatory molecule expression following in vitro stimulation with the staphylococcal superantigen toxic shock syndrome toxin-1' Kum WWS, Hung RWY, <b>Cameron SB</b> , <i>Chow AW</i> JOURNAL OF INFECTIOUS DISEASES 185 (4): 555-560 FEB 15 2002
5	FA	'T helper cell polarization as a measure of the maturation of the immune response' <b>Cameron SB</b> , <i>Stolte EH</i> , <i>Chow AW</i> , Savelkoul HFJ MEDIATORS OF INFLAMMATION 12 (5): 285-292 OCT 2003
6	CA	'Screening of Compounds Toxicity against Human Monocytic cell line-THP-1 by Flow Cytometry' Pick N, <b>Cameron S</b> , Arad D, Av-Gay Y BIOLOGICAL PROCEDURES ONLINE 6: 220-225 OCT 2004
7	CA	'Store-operated Ca <sup>2+</sup> entry regulates Ca <sup>2+</sup> -activated chloride channels and eccrine sweat gland function' Axel R Concepcion, Martin Vaeth, Larry E Wagner, Miriam Eckstein, Lee Hecht, Jun Yang, David Crottes, Maximilian Seidl, Hyosup P Shin, Carl Weidinger, <b>Scott Cameron</b> , Stuart E Turvey, Thomas Issekutz, Isabelle Meyts, Rodrigo S Lacruz, Mario Cuk, David I Yule, Stefan Feske The Journal of clinical investigation 126 (11), 4303-4318
8	CA	Store-operated Ca <sup>2+</sup> entry controls clonal expansion of T cells through metabolic reprogramming. Martin Vaeth, Mate Maus, Stefan Klein-Hessling, Elizaveta Freinkman, Jun Yang, Miriam Eckstein, <b>Scott Cameron</b> , Stuart E Turvey, Edgar Serfling, Friederike

		Berberich-Siebelt, Richard Possemato, Stefan Feske Immunity 47 (4), 664-679. e6
9	CA	Extended analysis of parent and child confidence in recognizing anaphylaxis and using the epinephrine autoinjector during oral food challenges Lianne Soller, Timothy Teoh, Ingrid Baerg, Tiffany Wong, Kyla J Hildebrand, Victoria E Cook, Catherine M Biggs, Nicole Lee, Lindsay Yaworski, <b>Scott B Cameron</b> , Edmond S Chan The Journal of Allergy and Clinical Immunology: In Practice 7 (2), 693-695
10	SA* <sup>1</sup>	'First ever real-world safety analysis of preschool peanut oral immunotherapy' Lianne Soller, Stuart Carr, Sandeep Kapur, Sara Leo, Gregory A Rex, Per G Lidman, Joanne Yeung, Timothy K Vander Leek, Tiffany Wong, Mary McHenry, Kyla Hildebrand, Victoria E Cook, Elissa M Abrams, Nicole J Lee, <b>Scott B Cameron</b> , Edmond S Chan Full article in press, note that related conference proceedings currently at: Journal of Allergy and Clinical Immunology 143 (2), AB261  This Canada wide QI project has demonstrated in a real-world setting that oral peanut immunotherapy, provided to preschoolers with peanut allergy by both community, and university based pediatric allergists is safe and well tolerated. This is the first publication to demonstrated safety and tolerance of this new treatment, outside of a dedicated research facility. The project itself has resulted in a cross Canada shift towards providing this therapy to preschool children. We eagerly await the expected shift in clinical equipoise once our findings are published.  <sup>1</sup> Publication lists both Dr. E. Chan and myself as co-senior authors.

(b) *Conference Proceedings*

1	FA	The in vivo response to subcutaneously injected toxic shock syndrome toxin-1 in a mouse model system: role of T helper cell polarization in pathogenesis <b>Scott Cameron</b> , Winnie Kum, <i>Anthony W. Chow</i> CSCI regional meeting young investors' forum: June 26, 1999, Vancouver Clinical and Investigative Medicine; Ottawa Vol. 22, Iss. 5, (Oct 1999): 212-228.
	FA	Incidence of Macrophage Activation Syndrome In Children Presenting to Tertiary Center Intensive Care Units with Signs and Symptoms of Septic Shock <b>Scott B. Cameron</b> , Paivi M.H Miettunen Canadian Child Health Clinician Scientist Program Annual General Meeting, poster presentation, Montreal, Canada 2007
1	FA	'The impact of mobile point of care interaction on the September asthma epidemic: a randomized pilot study' <b>S Cameron</b> , S Filuk, JA St Vincent, A Becker Allergy, Asthma & Clinical Immunology 8 (1), A28
2	SA <sup>1</sup>	'First ever real-world safety analysis of preschool peanut oral immunotherapy' Lianne Soller, Stuart Carr, Sandeep Kapur, Sara Leo, Gregory A Rex, Per G Lidman, Joanne Yeung, Timothy K Vander Leek, Tiffany Wong, Mary McHenry, Kyla

		Hildebrand, Victoria E Cook, Elissa M Abrams, Nicole J Lee, <b>Scott B Cameron</b> , Edmond S Chan Journal of Allergy and Clinical Immunology 143 (2), AB261 <sup>1</sup> publication lists both Dr. E. Chan and myself as co-senior authors.
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(c) *Other*

## 2. **NON-REFEREED PUBLICATIONS**

(a) *Journals*

(b) *Conference Proceedings*

(c) *Other*

## 3. **BOOKS**

(a) *Authored*

(b) *Edited*

	<b>Books</b>
1	Title: <i>Immunology Essential and Fundamental, 2<sup>nd</sup> ed.</i> Publisher: Science Publishers Inc, Enfield, NH, USA ©2005 Authors: Pathak S, Palan U Content Editors: <b>Cameron SB</b> , Dunn C

(c) *Chapters*

	<b>Chapters</b>
1	Title: <i>Encyclopedic Reference of Immunotoxicology</i> Publisher: Springer: Berlin Heidelberg New York ©2005 Chapter Title: <b>Maturation of the Immune response</b> Content Authors: <b>Cameron SB</b> , Chow AW, Savelkoul HFJ

## 4. **PATENTS**

## 5. **SPECIAL COPYRIGHTS**

## 6. **ARTISTIC WORKS, PERFORMANCES, DESIGNS**

## 7. **OTHER WORKS**

## 8. **WORK SUBMITTED** (including publisher and date of submission)

## 9. **WORK IN PROGRESS** (including degree of completion)

1	SA	CSACI Guideline on Safety Standards for Office Emergencies
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		Alison Haynes, Elissa Abrams, MD, Phillippe Bégin, MD, Moshe Ben-shoshan, MD, Stuart Carr, MD, Edmond S. Chan, MD, David Andrew Fisher, MD, Isabelle Ganache, MD, Mireille Goetghebeur, MD, Sandeep Kapur, MD, Harold Kim, MD, Yasmine Ould-Younes, MD, Julia Upton, MD, Monika Wagner, MD, <b>Scott B. Cameron, MD, PhD</b> Manuscript written, undergoing review by co-authors (70% complete).
	CA	CSACI Systematic review and Guidelines for the provision of Oral Immunotherapy Alison Haynes, Elissa Abrams, MD, Phillippe Bégin, MD, Moshe Ben-shoshan, MD, <b>Scott B. Cameron, MD, PhD</b> , Stuart Carr, MD, Edmond S. Chan, MD, David Andrew Fisher, MD, Isabelle Ganache, MD, Mireille Goetghebeur, MD, Sandeep Kapur, MD, Harold Kim, MD, Yasmine Ould-Younes, MD, Julia Upton, MD, Monika Wagner, MD Systematic review of evidence for efficacy, safety and methods for performing immunotherapy. Consensus summary of methods and objectives complete, start of data review (30% complete)
2	SA	Nurse-activated protocol for the initial emergency department (ED) management of hereditary angioedema (HAE) Nathan Stefani MD, Brian Berry MD, Amanda Jagdis MD, Brian Ferrell MD, <b>Scott B. Cameron, MD, PhD</b> A quality improvement project, currently working on algorithm generation and preintervention data gathering and analysis (20% complete).
3	SA	Are parent and child self-recognition and treatment of anaphylaxis with an epinephrine autoinjector improved if self-administered during oral food challenges in a community allergy clinics? Mitchell Farmer, Lianne Soller, Timothy Teoh, Ingrid Baerg, Tiffany Wong, Kyla J Hildebrand, Victoria E Cook, Catherine M Biggs, Nicole Lee, Lindsay Yaworski, , Edmond S Chan, <b>Scott B Cameron</b> Study complete. Pending data analysis, and writing of the manuscript (60% complete).
4	SA	Tips and tricks on how to administer epinephrine to a worried child having anaphylaxis: Rishma Chooniedass RN, MN, John Bantock, <b>Scott B. Cameron, MD, PhD</b> Educational YouTube video development (will be our third video in the series). Raw footage collected of pediatric patients requiring epinephrine, held with different techniques by parents (30% complete).