

CHRISTOPHER SMITH B.Sc. M.D, FRCPC, FACP

PERSONAL DATA

Address: Work: Etherington Hall, Room 1006
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Place of Birth: UK

Citizenship: British, Canadian

Languages: English, French

EDUCATION AND EMPLOYMENT CREDENTIALS

2018-present Associate Head, Clinical Affairs. Department of Medicine, Queen's University

2013-present Division Head, General Internal Medicine (GIM), Queen's University

2015 Awarded Tenure

2008-present Associate Professor, Department of Medicine, Queen's University

2008-2015 Program Director, Core Internal Medicine, Queen's University

1999-2008 Associate Program Director, Internal Medicine, Cook County Hospital, Chicago

2007-2008 Associate Professor, Department of Medicine, Cook County/Rush Medical College, Chicago

1999-2007 Assistant Professor, Department of Medicine Cook County/Rush Medical College, Chicago

1997-1999 Attending Physician, Department of Medicine, Cook County Hospital, Chicago

1996-1997 Fellowship in General Internal Medicine, Cook County Hospital, Chicago

1995-1996 Chief Medical Resident, University of Illinois, Chicago

1993-1996 Internal Medicine Residency Program, University of Illinois, Chicago

1991-1992 Senior House Officer ER/Cardiology/Geriatrics: London, Leicester UK

1990-1991 House Officer in Medicine & Surgery in Southend & London UK

1986-1987 Intercalated B.Sc. Psychology, University College London, UK

1984-1990 Medical School, University College London, UK

HONOURS AND AWARDS

2019 Master Educator Award, Queen's University Department of Medicine

2017 D. Laurence Wilson Professionalism Award, Queen's University School of Medicine

2016 Queen's University Department of Medicine, Exceptional Service Award
Outstanding Clinician of the Year: Medical Staff Association, KHSC

2015 Queen's University Department of Medicine David Ginsburg Mentorship Award
Queen's University Department of Medicine Teaching Award (Residents)

2014 Queen's University Department of Medicine Teaching Award (Medical Students)

2013 Queen's University Department of Medicine Teaching Award (Residents)

2012 Queen's University Department of Medicine Teaching Award (Residents)
Dr. John T. Tweddell Memorial Award for specialty teaching of Family Medicine Residents
Canadian Association Medical Education (CAME) Certificate of Merit Award

2011 FHS Queen's School of Medicine: W. Ford Connell Award for Excellence in Teaching

2010 Professional Association of Residents of Ontario (PARO) Excellence in Clinical Teaching
Queen's University Department of Medicine, Clinical Teaching Unit (CTU) Teaching Award

2009 Queen's University Department of Medicine, Clinical Teaching Unit (CTU) Teaching Award

2006	Elected to Lepper Society of Clinical Teachers at Rush Medical College, Chicago
2006	Medical Student Teaching Award, Cook County Hospital
1999	Osler Award, Teaching Attending of the Year, Cook County Hospital, Chicago
1998	Award for Medical Student Education, Cook County Hospital, Chicago
1996	Recognition of Outstanding Service to the Dept. of Medicine, University of Illinois (UIC) Alpha Omega Alpha (AOA) Honor Medical Society, University of Illinois (UIC)
1995	PGY 3 Resident of the Year Award, University of Illinois (UIC) Chicago
1994	PGY 2 Resident of the Year Award, University of Illinois (UIC) Chicago
1986	Medical Research Council Scholarship Award for Intercalated B.Sc. UCL, London UK
1985	R. Kohn Prize in Physiology, University College London, UK

NOMINATIONS

2020	Nominated for Outstanding Clinician of the Year Award, MSA, KHSC Nominated for the Faculty of Health Sciences Education Award Nominated for Chancellor A. Charles Baillie Teaching Award
2013	Nominated for PARO Lois H Ross Resident Advocate Award
2012	Nominated for PARO Lois H Ross Resident Advocate Award
2011	Nominated for Royal College Program Director of the Year Award Nominated for the PARO Residency Program Excellence Award Nominated for the PARO Lois H Ross Resident Advocate Award

LEADERSHIP EXPERIENCE

Administrative/Policy

- Associate Head, Clinical Affairs, Department of Medicine, Queen's University (2018-present)
- Division Head, General Internal Medicine (GIM), Queen's University (2013-present)
- CTAQ representative, SEAMO Governors Committee (2016-present)
- Member, SEAMO Nominations and Governance Development Committee [NGDC] (2018-present)
- Elected member, CTAQ Executive Committee (2016-present)
- Faculty of Health Sciences Search Committees: DOM Chair (2012), Psychiatry Chair (2017)
- Department of Medicine (DOM) Search Committees: (Allergy, Cardiology, Dermatology, GI, GIM, Hematology, Infectious Diseases, Nephrology, Neurology, Palliative Care, Respiriology, Rheumatology (2008-present)
- Member, DOM Resources (Financial) Committee (2009-2016)
- Faculty Mentor, DOM (2015-present)

Education

National/Provincial

- Surveyor for the Royal College of Physicians and Surgeons: participated in University Accreditation visits, University of British Columbia, Dalhousie University, University of Alberta and University of Ottawa (2016-present).
- Region 3 (Ontario and Nunavut) representative, Royal College Specialty Committee for Internal Medicine (2016-present).
- Member Internal Medicine Examination Committee, Royal College Physicians and Surgeons: Internal Medicine examination development (2015-present).

- Examiner for the Internal Medicine Royal College examinations (2012-present).
- Chair of the Canadian Association of Internal Medicine Program Directors (CAIMPD) (2011-2015)
- Member (as Program Director) of the Royal College Specialty Committee for Internal Medicine (2008-2015)

Queen's University / Kingston Health Sciences Centre (KHSC)

- Program Director (PD), Core Internal Medicine, Queen's University (2008-2015)
- Member, Faculty of Health Sciences Student Appeal Board (2015-present)
- Chair, Department of Medicine Appeals Committee (2014-present)
- Chair, Department of Medicine CBME Committee (2016-present)
- Chair, Internal Medicine Residency Program Committee [RPC] (2008-15), member (2015-present)
- Chair, General Internal Medicine (GIM) Competency Committee (2017-present)
- Member, Medical Education Program Committee [MEPC] (2015-present)
- Member, PGME PGY1 Allocation Committee (2015-present)
- Member, Post-Graduate Medical Education Committee [PGMEC] (2008-2015)
- Chair, PGY1 sub-committee PGMEC (2010-2015)
- Academic Advisor, Core Internal Medicine trainees (2018-present)

Clinical

- DOM representative, COVID-19 Clinical Operations Committee KHSC (2020-present)
- DOM representative, Bedmap Committee KHSC (2019-2020)
- KHSC Evaluator for Regional Health Information System (HIS) RFP (2019)
- Medical Director of Clinical Teaching Units (2015-2019)
- Member, Medicine Program Committee KHSC (2015-present)
- Co-Chair, Opiate Task Force Committee KHSC (2018-present)
- Member, DOM Quality Improvement & Patient Safety Committee [MQIPSC] (2013-present)

PUBLICATIONS

1. Chopra D, Joneja M, Sandhu G, **Smith CA**, Spagnuolo CM, Hookey LC. Reference letters for subspecialty medicine residency positions: Are they valuable for decision-making? (*submitted, BMC Medical Education 2020*)
2. Taylor DR, Park YS, **Smith CA**, ten Cate O, Tekian A. Constructing approaches to Entrustable Professional Activity development that deliver valid descriptions of professional practice. *Teaching and Learning in Medicine Jul 2020 (published on-line)*
3. Bai AD, Dai C, Srivastava S, **Smith CA**, Gill SS. Risk factors, costs and complications of delayed hospital discharge from internal medicine wards at a Canadian academic medical centre: retrospective cohort study. *BMC Health Serv Res 2019; 19(1):935*
4. Marcotte L, Egan R, Soleas E, Dalgarno N, Norris M, **Smith CA**. Assessing the quality of feedback to general internal medicine residents in a competency-based environment. *Canadian Med Educ J 2019; 10(4): e32-47*
5. Bai AD, Srivastava S, **Smith CA**, Gill SS. General Internists versus Specialists as Attendings for General Internal Medicine Inpatients at a Canadian Hospital: A Cohort Study. *J Gen Intern Med 2018; 33:1848-5*
6. Taylor DR, Park YS, **Smith CA**, Karpinski J, Coke W, Tekian A. Creating Entrustable Professional Activities to Assess Internal Medicine Residents in Training: A mixed-methods approach. *Ann Intern Med 2018; 168(10):724-729*

7. Bai AD, Srivastava S, Tomlinson SA, **Smith CA**, Bell CM, Gill SS. Mortality of hospitalized internal medicine patients bedspaced to non-internal medicine inpatient units: retrospective cohort study. *BMJ Qual Saf* 2018; 27(1):11-20
8. Wilkinson J, Barake W, **Smith CA**, Thakrar, A, Johri AM. Limitations of condensed teaching strategies to develop hand-held cardiac ultrasonography skills in internal medicine residents. *Can J of Cardiology* 2016; 32(8):1034-7
9. Quinn KL, **Smith CA**. Nonmalignant Superior Vena Cava Syndrome. *J Gen intern Med* 2013; 28(7):970-1.
10. Van Wert R, McKenna A, **Smith CA**, Vadas P, Detsky AS, Mourad O. A missed opportunity. *J Gen Intern Med* 2013; 28(5):728-32.
11. Behl P, **Smith CA**. Atypical Neuroleptic Malignant Syndrome associated with atypical antipsychotics. *Can J Gen Intern Med* 2012; 7(1):17-18
12. Rewa O, **Smith CA**. Medical Cause of Compartment Syndrome: a fatal case of clostridium septicum. *BMJ Case Rep*. 2012 Jun 1
13. Towns K, Szmítko PE, **Smith CA**, Detsky AS, Mourad O. Clinical Problem Solving. It's Not All In Your Head. *N Engl J Med* 2011; 365(14):1329-1334
14. Chawla S, Asmar A, **Smith CA**. Rhabdomyolysis: a lesson on the perils of exercising and drinking. *Am J Emerg Med* 2008; 26:521
15. **Smith CA**, Hart AH, Sadowski LS, Riddle JM, Evans AT, Clarke PM, Ganschow PS, Mason ED, Sequeira W, Wang Y. Teaching Cardiac Examination Skills: A controlled trial of two methods. *J Gen Intern Med* 2006; 21(1):1-6
16. Reilly BM, **Smith CA**, Lucas BP. Physical examination: Bewitched, Bothered and Bewildered. *Medical Journal of Australia* 2005; 182:375-6
17. **Smith CA**, Varkey AB, Evans AT, Reilly BM. Evaluating the Performance of Inpatient Attending Physicians: A New Instrument for Today's Teaching Hospitals. *J Gen Intern Med* 2004; 19:766-771
18. Lucas BP, Evans AT, Reilly BM, Khodakov YY, Perumal K, Rohr LG, Akamah JA, Alausa TM, **Smith CA**, JP Smith. The Impact of Evidence on Physicians' Inpatient Treatment Decisions. *J Gen Intern Med* 2004; 19:402-409
19. Bargout R, **Smith CA**. Polycystic Kidney Disease and the Presence of a Pyocyst. *Hosp Phys*. 2001; 37(9):46-49
20. Durairaj L, Reilly BM, Das K, **Smith CA**, Acob C, Husain S, Saquib M, Ganschow PS, Evans AT, McNutt R. Emergency Department Admissions to Inpatient Cardiac Telemetry Beds: A Prospective Cohort Study of Risk Stratification and Outcomes. *Am J Med*. 2001; 110(1):7-11
21. **Smith CA**, Ganschow PS, Reilly BM, Evans AT, McNutt R, Osei A, Saquib M, Surabhi S, Yadav Y. Teaching Residents Evidence Based Medicine: A controlled trial of effectiveness and assessment of durability. *J Gen Intern Med*. 2000; 15:710-715
22. Briggs T, Parker C, **Smith C**, Miller R. Augmented Hemostasis: A review of pharmacology of hemostasis in Endoscopic Surgery. *Minimally Invasive Therapy*. 1991; 1:7-11
23. **Smith C**. A comparison of GP and Homeopathic patients. *British Journal of Homeopathy*. 1989; 78:219-229
24. Furnham A, **Smith C**. Choosing Alternative Medicine. *Social Science and Medicine*. 1988; 26(7):685-689

ABSTRACTS

1. Joneja M, **Smith CA**. How racism is a barrier to learning in Residency: Lessons from a case study. ICRE Ottawa Sept 2019 [Oral presentation]
2. Searle A, Panamsky L, **Smith CA**. Heavy Proteinuria and Acute Kidney Injury: Not just a simple case. CSIM Banff Oct 2018
3. Montague SJ, Curran SJ, Maracle A, **Smith CA**, Internal Medicine Consults in the Emergency Department; Where's the bottleneck. CSIM Oct 2016
4. Tran A, Koppikar S, **Smith CA**. Near Peer Teaching Physical Exam. ICRE Niagara Falls Oct 2016.

5. Tran A, Chandhoke G, **Smith CA**. Carotid pseudoaneurysm: a rare complication of Lemierre's disease. SGIM May 2016
6. Chopra D, Joneja M, **Smith CA**, Hookey L. Reference letters for subspecialty medicine residents: Pearls or Perils? ICRE Vancouver Oct 2015 [Oral Presentation]
7. Wu Z, **Smith CA**. Renal Infarction secondary to a spontaneous renal artery dissection. SGIM Toronto May 2015
8. Digby GC, **Smith CA**, Ellis A. Comparing the resident experience on past and present CTU structures. ICRE Calgary Sept 2013
9. Digby GC, **Smith CA**, Ellis A. An internal medicine residents' educational experience on night float compared to a clinical teaching unit rotation. ICRE Calgary Sept 2013
10. Chopra, D, Sandhu G, **Smith CA**, Hookey L. Reference letters for subspecialty medical residents: Pearls or Perils? CCME April 2013
11. Riola G, Ramjeesingh R, Joneja M, **Smith CA**. Duty Hours: where have all the residents gone? ICRE Ottawa Sept 2012 [Oral presentation]
12. Dizon S. **Smith CA**. Eosinophilia: A red flag for identifying lung malignancy. ACP Poster Finalist. ACP Meeting New Orleans April 2012
13. Behl P. **Smith CA**. Atypical Neuroleptic Malignant Syndrome Associated with Atypical Antipsychotics. CSIM Halifax Oct 2011
14. Ramjeesingh R, Riola G, **Smith CA**, Joneja M. Evaluation of a Queen's Internal Medicine Resident Handbook. ICRE Ottawa Sept 2010
15. Moriello F. **Smith CA**, Zuliani G, Granieri E. Sudden Bilateral Deafness: A sign of Basilar Artery Occlusion. ACP Poster Finalist. ACP Meeting Toronto April 2010
16. Rewa, O. **Smith CA**. Medical Cause of Compartment Syndrome: A fatal case of Clostridium septicum. ACP Poster Finalist. ACP Meeting Toronto April 2010
17. Lucas BP, **Smith CA**, Mba B, Evans AT, Wang Y. Improvement of academic inpatient attending physicians' performance scores: how long until underperforming rookies hit the departmental average? *J Hosp Med* 2007;2 (Suppl2):22
18. **Smith CA**, Chinga-Alayo E, Fung S, Evans AT, Reilly BM, Mandelbaum S. Use of a screening tool by medical residents to recognize and treat major depression in hospitalized patients: A controlled trial. *J Gen Intern Med* 2006; 21 (S4) [Oral Presentation]
19. Chinga-Alayo E, **Smith CA**, Mandelbaum S, Fung S, Evans AT. The test characteristics of a new depression screening tool used by medicine residents in evaluating hospital admissions. *J Gen Intern Med* 2006; 21 (S4)
20. **Smith CA**, Varkey AB, Evans AT, Reilly BR. The effect of feedback on Teaching Attendings' Evaluations. *J Gen Intern Med.* 2004;19 (S1):217
21. **Smith CA**, Varkey AB, Evans AT, Reilly BM. A New Instrument for Medical Residents' Evaluation of Inpatient Teaching Attendings. *J Gen Intern Med.* 2002; 17 (S1):234 [Oral Presentation]
22. Lucas BP, Evans AT, Reilly BM, Khodakov YY, Perumal K, Rohr LG, Akamah JA, Alausa TM, **Smith CA**, JP Smith. Is Treatment of Medical Inpatients Evidence Based? A Study of the Impact of Evidence on Physicians Treatment Decisions. *J Gen Intern Med.* 2002; 17 (S1):203
23. Mangrulkar RS, **Smith CA**, TT Force. The effectiveness of a workshop to improve evidence-based practice among clinicians. *J Gen Int Med.* 2001; 16 (S1):103
24. Britwim N, Mamilla L, **Smith CA**. An unusual case of generalized spasms. *J Gen Int Med.* 2001; 16 (S1):28
25. **Smith CA**, Varkey AB. Improving Resident Evaluations of Attending Physicians. Innovations in Medical Education. AAMC. Oct 2000
26. **Smith CA**, Varkey AB. Improving Resident Evaluation of Attendings: A Pilot Study of a New Format. *Journal of Investigative Medicine.* 2000; 48:5:269A
27. **Smith CA**. A Survey of Critical Appraisal Skills and the Practice of EBM: Still a Long Way to Go. *Journal of Investigative Medicine.* 2000; 48:5:270A

28. **Smith CA**, Hart AH, Sadowski LS, Riddle JM, Evans AT, Clarke PM, Ganschow PS, Mason ED, Sequeira W, Wang Y. Teaching Physical Examination of the Heart and Circulation: A controlled trial of two methods. *J Gen Int Med.* 2000;15 (S1):44
29. Ganschow PS, **Smith CA**, Saquib M, Surabhi S, Yadav S, Osei A, McNutt R, Evans AT, Reilly BM. Teaching Evidence-Based Medicine to Residents: Does it work? Will it stick? *J Gen Int Med.* 1999; 14 (S2): 135. [Oral Presentation]. **Winner of Junior Faculty Prize** SGIM San Francisco April 1999
30. **Smith CA**. An Evidence-Based Medicine Course for PGY 1 Residents. *J Gen Int Med.* 1999;14 (S2):210
31. Durairaj L, Das K, Acob C, Husain S, **Smith CA**, Saquib M, Ganschow PS, Reilly BM: Emergency Department Admissions to Cardiac Telemetry Beds: Risk Stratification and Outcome Measures in a Public Hospital. *J Gen Int Med.* 1999;14 (S2):25

NON-PEER REVISED ARTICLES

1. Archer SA, Smith CA, Majere R. How the opioid crisis is disrupting hospital care. *The Conversation*, Queen's University Publication. Nov 6, 2018

PRESENTATIONS / INVITED LECTURES

1. Not just a sore throat. Case of the Year. Medical Grand Rounds, Queen's University 2018
2. The last few hours: Pneumomediastinum. DOM QI Mortality Rounds, Queen's University 2018
3. Addiction, Opiates and Death. DOM Mortality and Morbidity Rounds 2018
4. Accreditation visit: Tips for success. PGME workshop 2018
5. Perioperative cardiac guidelines. Medical Grand Rounds, Queen's University 2016
6. The phone call you never want. DOM Mortality and Morbidity Rounds 2016
7. Iatrogenic mess, PICC lines and bacteremia. DOM Mortality and Morbidity Rounds 2016
8. Top 10 things about Cook County Hospital. Medical Grand Rounds, Chicago, IL. 2015
9. Competence Based Medical Education. Medical Grand Rounds, Queen's University 2015
10. Reference letters for subspecialty medicine residents. ICRE conference, Vancouver 2015
11. Choosing Wisely Canada. DOM Queen's University CME Conference, Kingston 2014
12. Hospital handoff: Transitions of Care. GIM Queen's University CME Conference, Kingston 2014
13. The Physical Examination is Obsolete. FHS Travill Debate, Queen's University 2013
14. Hubris and Confusion. DOM Mortality and Morbidity Rounds 2013
15. Thrombocytopenia. GIM Queen's University CME Conference, Kingston 2013
16. Resident Duty Hours: Medical Grand Rounds, Queen's University 2012
17. Not just a DVT. DOM Mortality and Morbidity Rounds 2012
18. Rheumatological Tests for FPs. GIM Queen's University CME Conference, Kingston 2012
19. A series of unfortunate events. DOM Mortality and Morbidity Rounds 2012
20. Career in Medicine: FHS McGill Medical School, Montreal 2012
21. Care Navigators on the clinical teaching units at KGH. KGH Nursing Conference 2010
22. Using Electronic Medical Records. Medical Grand Rounds, McMaster University 2010
23. Top papers of the Year Review. GIM Queen's University CME Conference, Kingston 2011
24. Ruptured AAA: DOM Mortality and Morbidity Rounds 2011
25. Hypercalcemia and Parathyroid. Clinical CPC Conference 2011
26. PE and IVC filters. DOM Mortality and Morbidity Rounds 2010
27. Necrotising fasciitis and myonecrosis. Combined DOM/Surgery Mortality and Morbidity rounds 2009
28. Zollinger-Ellison syndrome. DOM Mortality and Morbidity Rounds 2009
29. Long term risks of chronic PPI use. Therapeutics CME Conference, Kingston 2009
30. A depression screening tool on hospital admission. Medical Grand Rounds, Queen's University 2007
31. Clinical Skills Workshop Module ABIM/SGIM. SGIM National Meeting. Toronto April 2007.
32. Clinical Skills Workshop Module ABIM/SGIM. SGIM National Meeting. New Orleans May 2005.

33. Clinical Skills Workshop Module ABIM/SGIM. SGIM National Meeting. Chicago May 2004.
34. Evidence Based Medicine for the Practicing Clinician. Mid-West SGIM Workshop Dec 2002.
35. Teaching EBM to the Practicing Clinician. Midwest SGIM. Sept 2001.
36. Collaborative Discovery: An innovative method for teaching physical exam skills. AAMC. Oct 1999.

TEACHING AND EDUCATIONAL ACTIVITIES

Undergraduate

- MEDS441 Clerkship: Moderated weekly Core Medicine Clinical Conference (2008-2015)
- MEDS234B Clinical and Communication Skills 2 (2014-present)
- MEDS114 Clinical and Communication Skills 1 (2018)
- MEDS244 Clinical and Communication Skills 3 (2008-2013)
- MEDS354 Clinical and Communication Skills 5 (2011)
- MEDS432 General Events (2011-2015)
- MEDS455 Complex Presentations and Competencies (2012)
- MEDS231 Clinical Foundations: Endocrine and Renal (2011)
- Internal Medicine Interest Group: Career in Medicine (2008-2018)
- Meet the Program Director (2008-2015)
- Clinical Pearls (2008-14)

Postgraduate

- Moderator for Morning Report (sign-in rounds): Core Internal Medicine (2014-present)
- Academic Half Day Teaching: Core Internal Medicine PGY1-3 (2008-present)
- Academic Half Day Teaching: General Internal Medicine PGY4-5 (2014-present)
- PGME QCARE conference (2009-present)
- PGME Chief Medical Resident Conference: Leadership (2009-present)
- PGME Residents as Teachers (RaTs) Workshops (2009-2014)
- Moderator Internal Medicine Journal Club (2008-2015)
- Cardiac simulation teaching (2012-2016)
- PGY1 Internal Medicine Bootcamp (2017)

Innovations in Education

- Chaired the Canadian Association of Internal Medicine Program Directors (CAIMPD) meetings tasked with the review of Royal College Milestones and development of Entrustable Professional Activities (EPAs) for Internal Medicine in preparation for the Royal College Competency by Design Project (2014 and 2015)
- Reorganized CTU Structure, implemented team-based CTU teaching rooms and workstations, promoted geographical consolidation and unit based allied health teams (2009-present)
- Introduced a Resident Night float system (2009-present)
- Developed Internal Medicine Training Program Resident Retreat (2009-present)
- Initiated and taught a Medicine Clerkship 'morning report' weekly case conference (2009-present)
- Introduced new Resident Teaching Conferences [e.g. Patient safety rounds] (2011-present)
- Developed and Tested a new evaluation instrument for Clinical Teachers (2004)

- Designed, Implemented and Evaluated a course in Evidence-based Medicine for PGY1 Residents (2000)

Innovation in Clinical Activity

- Aided in the rapid development of an COVID-19 isolation unit at KHSC (2020)
- Developed Physician Assistant (PA) role in Medicine (2017-19)
- Introduced daily multi-disciplinary ‘Bullet Rounds’ to medical units (2010-present)
- Advocated and promoted implementation of Care Navigators for CTU teams (2010-present)
- Developed a non-teaching clinical service (IMU H) to off-load teaching teams (2010-present)
- Developed a CTU E/Medical Short Stay Unit to cover ED in mornings and improve efficiency and patient flow for short stay admissions (2010-present)
- Developed with KHSC IT department an e-DC summary tool that has been implemented across the organization (2010-present)
- Developed with KHSC IT department an e-Handover tool that has been implemented across the organization (2012-present)
- Developed with KHSC IT department a hospital wide on-line ‘on-call’ system (2013-present)

RESEARCH AWARDS

1. Postgraduate Medical Education Special Purpose Grant: “Workplace based assessment program evaluation: An efficacy study of new feedback in postgraduate medical education”. \$10,000. 2015.
2. Improving efficiencies of patient flow in the context of new PAIRO workhour restrictions: Impact of discharge planners on inpatient medical teams. \$145,000. SEAMO Innovation Grant. 2009

LEADERSHIP COURSES

- Health Sciences Leadership Series 2014-15: Queen's University
- Rotman Leadership Course 2018-19: South East Local Health Integration Network (LHIN), Ontario

MEMBERSHIPS

- Fellow, Royal College of Physicians and Surgeons of Canada (2008-present)
- Fellow, American College of Physicians FACP (2007-present)
- College of Physicians and Surgeons of Ontario (2008-present)
- Canadian Medical Association (2008–present)
- Canadian Association of Medical Education (2008-present)
- Canadian Society of Internal Medicine (2008-present)
- Society of General Internal Medicine (SGIM) (1999-present)
- Alpha Omega Alpha (AOA) Society (1997-present)
- Ontario Medical Association (2008-present)