SUMMARY

The Internal Medicine Division continues to provide most of the hospital's functions caring for more than 150 in-patients on a daily basis outside the Clinical Teaching Units. In spite of the many obligations, our Division is one of the most accomplished in research with four of our members devoting more than 50% of their time in highly productive research activities.

- **Susan Kahn** was awarded co-director and nominated Principal Investigator for the CanVECTOR Network (CIHR- and Partner-funded national research and training network in venous thromboembolism) with grants in the amount of 7,475,822 from the CIHR.

- **Dr. Ernesto L. Schiffrin** received a seven-year Foundation grant funded by CIHR from its first live pilot foundation scheme for his research project entitled “Vascular remodeling in hypertension and cardiometabolic disease: from mice to humans” as Principal Investigator starting July 1, 2015 ending June 30, 2022 for a total amount of $3,164,111.

1. Research and Publications:

Internal Medicine Division for 2018 has secured research by Dr. Susan Kahn for her research in grants Epidemiology & Venous Thrombosis, Dr. Vicky Tagalakis received a one million dollar grant for Multi-site Cancer - VTE study.

In addition to our divisional members presenting world-wide they have also been given recognition for their articles published in many well-known medical journals. Below are listed some of the more notable publications of our Division:

**Cummings, Beth Ann:**


**Hoffer, L. John:**


**Kahn, Susan:**


2. Teaching and learning (undergraduate and graduate)

Internists participate in teaching medical students, residents and fellows on Clinical Teaching Units, Internal Medicine, Thrombosis and Perioperative clinics as well on consult services including in the Emergency Room. They participate in journal clubs and the McGill Simulation Center.

Teaching awards or recognition:

Bunea, Ruxandra
- Teaching Recognition:
  Teacher of the Year Award
- Formal Teaching
  TCP – 3 Full sessions – 50 hrs/sessions
  RAC – 2 Full sessions – 25 hrs/sessions
  ERAD – 3 hours
Simulation Centre – IM residents – 20 hours, GIM Fellows – 6 hours, McGill medical residents – 20 hours.
- Clinical Teaching:
  Medical students, Residents, Fellows – 250 hours: CTU, ERC, IMCS, IM outpatient clinics.

Elizov, Michelle
- Formal Teaching
  Residents, IM academic, SIM Center, GIM academic half day, Faculty workshops, lectures, Grand Rounds.
- Clinical Teaching
Medical students, Residents, Fellows – 250 hours: CTU, ERC, IMCS, IM outpatient clinics.

Koolian, Maral
- **Formal Teaching**
Residents, IM academic, SIM Center, GIM academic half day, Faculty workshops, lectures, Grand Rounds.
- **Clinical Teaching**
Medical students, Residents, Fellows – 250 hours: CTU, ERC, IMCS, IM outpatient clinics.
- **Research Trainee Supervision:**
Dr. T. Cafaro, Dr. J. Tabah, Dr. Sana Swaleh, - Residents project supervision completed.
Dr. C. Simard, Dr. T. McConnell, Dr. D. Yiahari – Residents new project supervision.

Mamane, Samuel
- **Formal Teaching**
TCP (8 weeks, split with another physician)
2 academic half-day lectures
1 ultrasound simulation
1 procedures simulation
4 journal clubs
- **Clinical Teaching**
Medical students, Residents, Fellows – 6 weeks CTU, 4 weeks ERC, DTC Clinics, Pre-op Clinics, Ward Consults.

Schiffrin, Ernesto L
- **Teaching Recognition:**
Repeated invitations to give CPD lectures
- **Formal Teaching**
Courses for Internal Medicine Clinical Scholars Program on Clinical Research (1h), CIP (2h) and MD-PhD program 1.5h) on Hiring and Tenure, all at McGill.
Teaching of Masters, PhD students and postdocs at LDI, mentoring of young scientists (1h/week).
Chair of Medical Grand Rounds at JGH, the major CME accredited activity in the hospital.
- **Clinical Teaching:**
Whenever we have Internal Medicine or Nephrology fellows who apply to our Cardiovascular Prevention Centre for training, I see patients with them and do clinical teaching in the outpatient setting.
- **Research Trainee Supervision:**
1 PhD student, 2 Master’s students and 4 postdocs.
1 PhD student received his PhD at the beginning of the year.

Schwartz, Blair
- **Formal Teaching**
Transition to Clerkship
TCP: Expert physician rounds
Simulation Center Sessions on Chest Tube Insertion
Classroom session on procedural sedation
McGill Aviation Medicine Course; Airborne management of the critically ill patient.
- **Clinical Teaching**
Medical students, Residents, Fellows – 250 hours: CTU, ERC, IMCS, IM outpatient clinics.
- **Research Trainee Supervision:**
Dr. Erica Rubin (GIM PGY-5) – Safety and effectiveness of heparin nomogram in medicine patients. Data Analysis and presentation preparation.

Dr. Sana Swaleh (Resp PGY-4) – Design of study and associated tools looking at improvement in IVC filter placement and retrieval post Health Canada warning.

Tagalakis, Vicky

- Teaching Recognition
  CanVECTOR QE Platform co-Leader
  Associate Editor, Thrombosis Research
  Research post doc fellows excelled with two international oral presentations and two awards
  Mentorship, research training and teaching

  - Clinical Teaching:
    - Supervision of resident: Justin Tabah, “Appropriateness of direct oral anti-coagulant prescriptions in tertiary care Emergency Department outpatients with acute Deep Vein - Thrombosis” Awarded: Can VECTOR Research Start-up award (2,000.00)
    - Group Leader, Unit 8, Clinical Epidemiology, Faculty of Medicine, McGill University
    - Group leader, Evidence based medicine, Faculty of Medicine, McGill University CME

3. Involvement in the community:

Hoffer, L John

McGill University Departments

3. Diagnosis and Treatment of Malnutrition in Hospitalized Patients. Lecture 2/3 to one-third of the McGill Med 3 class of UGME 2019, February 20, 2018
4. Diagnosis and Treatment of Malnutrition in Hospitalized Patients. Lecture to 3/3 to one-third of McGill Med 3 UGME grad year 2019, February 20, May 8 and Sept 18, 201
5. JGH Internal medicine divisional rounds, May 10, 2018
6. Seven Clinical Pearls for Evaluating and Managing Malnutrition in Surgical Patients, Jewish General Hospital Surgical Grand Rounds, May 31, 2018

Kahn, Susan R

McGill University Departments

1. The TRAPS Trial. Journal Club Facilitator, McGill General Internal Medicine fellowship Program Academic half day. November 27, 2018
4. Is there a role for thrombolysis for DVT? Medical Grand rounds, Saint Mary's Hospital. April 5, 2018
National

International
15. PTS Case Discussions. Invited Discussant. 22nd European Vascular Course, Maastricht, the Netherlands, March 4, 2018.

Schiffrin, Ernesto L
International
1. “Vitamin C Therapy and the Principles of Orthomolecular Medicine”. 47th International Orthomolecular Medicine Today, April 28, 2018
5. “Immune mechanisms in hypertension”. Lecture at XXII Congress of the InterAmerican
Society of Hypertension, Guayaquil, Ecuador, July 14, 2018.


13. "Debate on role of peripheral blood pressure vs. central blood pressure on stroke.” 18th International Meeting of the Artery Society, Guimaraes, Portugal, October 20, 2018

Tagalakis, Vicky
McGill University Departments


National

2. AOD et cancer. Oral presentation at: Société des sciences vasculaires du Québec (SSVQ); 2018 December 1; Montreal, Canada.

3. Thromboembolie veineuse. Oral presentation at: Société des sciences vasculaires du Québec (SSVQ); 2018 November 29; Montreal, Canada.


5. The role of direct oral anticoagulants in cancer associated thrombosis. Medical Grand Rounds; 2018 Sept 17; Lakeshore Hospital, Montreal, Quebec.


7. Le rôle émergent des anticoagulants oraux directs (AOD) pour la thrombose associée au cancer. Oral presentation at: Société des sciences vasculaires du Québec (SSVQ); 2018 June 15; Montreal, Canada.

International


9. Thromboprophylaxis in Palliative Care. Oral presentation at: 22nd International Congress on Palliative Care; 2018 October 3; Montreal, Canada.
4. **Partnerships**: None to report

5. **Honours, Awards, and Prizes**:

   **Dr. Ruxandra Bunea**, Received award for “TEACHER OF THE YEAR” by the McGill Internal Medicine Residents at the Jewish General Hospital.

   **Dr. Susan Kahn**, Named Ambassador to Montreal by Palais des Congres in recognition of instrumental role in Montreal being awarded XXXI Congress with 69th Annual SSC Meeting – International Society on Thrombosis and Haemostasis (to be held June 2023)

   **Dr. Susan Kahn** Winner of the 2018 Canadian Hematology Society Paper of the Year Award for “Aspirin or Rivaroxaban for VTE Prophylaxis after Hip or Knee Arthroplasty”, NEJM 2018 Feb 22;378(8):699-707.

   **Dr. Susan Kahn** Paper of the Month- August 2018 (for EPCAT Trial, NEJM 2018), Lady Davis Institute for Medical Research

   **Dr. Susan Kahn** received the U.S. Clinical Research Forum Top 10 Clinical Research Achievement Award for 2018, presented at National Press Club in Washington, D.C., on April 18, 2018, for paper “Pharmacomechanical Catheter-Directed Thrombolysis for Deep-Vein Thrombosis” (N Engl J Med. 2017; 377:2240-2252). This annual competition seeks to identify major advances in nation's investment in research to benefit health and welfare of citizens

   **Dr. Vicky Tagalakis** One Million dollar industry grant for a multi-site cancer-VTE study with 7 sites initiated for recruitment.

7. **Milestones**:

   Dr. **Samuel Mamane** was appointed to the Department of Medicine, Division of Internal Medicine in July 2018.

8. **Fundraising**: None to report.

**SECTION 1 – DIVISION STATUS**

**Mission and objectives of the Division**

The Division of Internal Medicine will continue to enhance McGill University in their role as one of Quebec’s leading teaching institutions. Our Division fulfills its role in achieving high standards in all aspects of academic medicine. All physicians in the division have a clear academic role. Recruitment is the most important priority as the burden of clinical service has become increasingly higher over the years.

**A nominative list of academic staff, their academic rank**

Dr. Rubin Becker, Associate Professor of Medicine, McGill University; Chief, Division of
Internal Medicine, Jewish General Hospital

Dr. Ruxandra Bunea, Assistant Professor of Medicine, McGill University; Director Postgraduate Education, Jewish General Hospital

Dr. Beth Cummings: Associate Professor of Medicine, McGill University; Associate Dean, Undergraduate Medical Education, McGill University

Dr. Michelle Elizov: Associate Professor of Medicine, McGill University, Assistant Dean Faculty Development, McGill University

Dr. L John Hoffer: Professor of Medicine, McGill University.

Dr. Susan R Kahn: Professor of Medicine, McGill University; Program Director, Thrombosis Fellowship, McGill University; Director, Thrombosis Clinic, Jewish General Hospital

Dr. Maral Koolian: Assistant Professor of Medicine, McGill University,

Dr. Jed Lipes: Assistant Professor of Medicine, McGill University, Director of Critical Care Ultrasound and Echocardiography, Critical Care Fellowship Program, McGill University, Director of bedside ultrasound training for core internal medicine, McGill University

Dr. Samuel Mamane: Assistant Professor of Medicine, McGill University,

Dr. Joseph Raffoul: Assistant Professor of Medicine, McGill University; CTU Director and Medical Gatekeeper, Jewish General Hospital; Medical Director, Mount Sinai

Dr. Ernesto L Schiffrin: Professor and Vice-Chair (Research), Department of Medicine, McGill University; Physician-in-Chief and Director of the Cardiovascular Prevention Centre, Jewish General Hospital; Canada Research Chair in Hypertension and Vascular Research, Lady Davis Institute for Medical Research;

Dr. Blair C Schwartz: Assistant Professor, McGill University

Dr. Vicky Tagalakis: Associate Professor, McGill University, Director, General Internal Medicine Division, Department of Medicine, McGill University

Dr. Luc Trudeau: Assistant Professor, McGill University; Director of Professional Services; Jewish Rehabilitation Hospital,

SECTION II – PUBLICATIONS, AND SERVICES OUTSIDE MCGILL

1. Grants and awards received

Kahn, Susan R

1. Co-director and Nominated Principal Investigator, CanVECTOR Network (CIHR- and partner-funded national research and training network in venous thromboembolism) 2015-2020
2. Canadian Institutes of Health Research - ICRH Community Development Program Grants - Sleep and Circadian Rhythms and Venous Thromboembolic Diseases Clinical $1,500,000 (CIHR component) + $3,800,000 (Partner support) 2015-2022

3. Heart and Stroke Foundation of Ontario: Age-adjusted D-dimer cutoff levels to rule out deep vein thrombosis (The ADJUST-DVT Study) $255,538. 2015-2018

4. Canada Research Chairs (CRC) - Tier 1 Chairs: Improving long term outcomes after venous thromboembolism (VTE); $1,400,000 2014-2021

Schiffrin, Ernesto L

5. Salary Award: Canada Research Chair (Tier 1)


7. Multicenter trial of apocitentan, endothelin antagonist, in resistant hypertension. Funding from IDORSIA. Member of Steering Committee and responsible for Canada and South America. Will extend from 2018-2022 or 2023. Amount per patient recruited $1,600.

8. Completed: Funding from Actelion for registry of resistant hypertension. 2017-2018. $40,000. Led the study across Canada and South America.

Grant Panels and Reviews:
College of reviewers CIHR
Editorial Activities
Editor-in-Chief, American Journal of Hypertension
Editorial Board member for Hypertension, J. of Hypertension, J. of Vascular Research
Reviews for Circulation, Circ. Research, Hypertension, J. of Hypertension, Nature Communications, Scientific Reports
Member Program Committee for Annual Meeting of Hypertension Canada

Tagalakis, Vicky

9. Canadian Institutes of Health Research “New Oral Anticoagulants for the Prevention of Venous Thromboembolism in High-Risk Ambulatory Cancer Patients: A Randomized Placebo-Controlled Double-Blind Clinical Trial” $836,841.00 2012-2018


11. Canadian Institutes of Health Research: “Statistical Methods in Pharmacoepidemiology and Perinatal Epidemiology” $1,071,720. 2015-2022

12. Canadian Institutes of Health Research: “ICRH Community Development Program Grants – Sleep and Circadian Rhythms and Venous Thromboembolic Diseases Clinical Trials Grant 1,500,000. 2015-2020

2. Scholarly works published in the 2018 calendar year:

Hoffer, L. John


**Kahn, Susan R.**


**Lipes, Jed**


**Mamane, Samuel**


**Schiffrin, Ernesto**


Takagalis, Vicky


**Published Abstracts (Research posters or oral presentations at scientific meetings)**

Respectfully Submitted

Rubin Becker, MD
Chief, Division of Internal Medicine