

DALHOUSIE MEDICINE NEW BRUNSWICK

Annual Report
2019 - 2020



**DALHOUSIE
UNIVERSITY**

FACULTY OF MEDICINE
Dalhousie Medicine
New Brunswick

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Dean's Message

It has been a remarkable year at Dalhousie Medicine New Brunswick (DMNB), as we continue to build a strong reputation for medical education and research in the province.

As the world braced for rapid and far-reaching changes due to a global pandemic, I was, and continue to be, impressed and proud of the Dalhousie Medical School community's response to challenging times. Within a week of social distancing measures going into effect in the Maritimes, Dalhousie medical students in New Brunswick were volunteering to provide day-to-day assistance to frontline health care workers as well as other supports to the regional health system. As stay-at-home orders in response to the COVID crisis took students out of the classroom, lectures and tutorials moved to an online collaboration platform that allowed students to interact with each other and their tutors with ease, thanks largely to the strong efforts led by our MedIT team.

In May, DMNB premiered its virtual Launch Ceremony celebrating the Class of 2020 and signifying the graduating students' launch into their careers as physicians. In collaboration with Dalhousie's MedIT video and audio production services team, DMNB created an hour-long video version of the event and invited all guests to attend [the virtual Launch Ceremony on YouTube](#).

2020 welcomed the tenth cohort of students into the study of medicine in New Brunswick, led by our outstanding Associate Dean, Dr. Jennifer Hall. Our preliminary data suggests that a high proportion of DMNB graduates return to work in New Brunswick because of the excellent educational experiences they have received in this province. With five undergraduate teaching sites located throughout the province, DMNB provides learners with one of the best distributed educational experiences in Canada, under the direction of Dr. Robert Boulay, Assistant Dean for Clinical Education. I

am pleased to share that Dr. Hall and Dr. Boulay were both reappointed for second terms in their roles.

Throughout the 2019-2020 academic year, DMNB students received a total of \$575,109.⁴³ in funding. The New Brunswick Medical Education Foundation continues to be a leading support for students, and I am pleased to share that of 41 scholarships awarded at their tenth annual scholarship reception in August 2019, 30 of those went to DMNB students.

DMNB is very active in societal activities. For example, UNB Elder-in-Residence Ramona Nicholas returned for the second annual Doctor for a Day event that included a smudge ceremony and lesson on Comparing Western and Traditional Medicine. This day-long event gives secondary students a chance to explore the study of medicine through hands-on skill development, educational activities, and discussion with DMNB medical students and local health professionals.

This report highlights achievements in each of our three Faculty of Medicine strategic priority areas: Education, Research, and Serving and Engaging Society. It also speaks to Organizational, Operational and Fiscal Renewal and provides a look ahead at innovations we are developing.

My sincerest thanks to our faculty, staff, students, residents, fellows, alumni, patients, and donors, as well as our community partners; Horizon Health, University of New Brunswick, University of Moncton, and the New Brunswick provincial government. As we move forward, you have been — and will continue to be — the reason for our success.

David Anderson, MD, FRCPC, FACP
Dean, Dalhousie Medical School



Associate Dean's Update

The 2019 -2020 academic year has most certainly been memorable.

It started out the way it always has with the First Light Ceremony where the Class of 2023 was welcomed to the DMNB family with a celebration witnessed by family and friends. Dr. Taryn O'Neill (DMNB Class of 2016) described her journey through medical school, her family medicine residency in New Brunswick, and her role now as a teacher for DMNB.

Later in the fall, DMNB participated in the Multiple Mini Interview (MMI) process for the Class of 2024 medical school admissions. 95 candidates were interviewed, a process that involved the volunteer work of 16 physicians, 12 DMNB students, and 12 allied health care professionals and community members.

In the spring, the CaRMs match resulted in 30% of DMNB students being matched to residency programs here in New Brunswick, and the others all across Canada with many in Atlantic Canada. This year 70% of DMNB students chose Royal College programs and 30% chose Family medicine programs. Through the DMNB LOCATED project, we continue to monitor the number of our DMNB students who choose to practice in NB. In 2019, 63% of the DMNB students who had completed their residencies and were known to be in practice were practicing in New Brunswick.

In mid-March, a lot changed for DMNB. The COVID-19 pandemic was starting to affect the way we provided health care, participated in research, and delivered the medical education curriculum. As Public Health measures were imposed, our researchers focused their attention on scholarly activities that did not involve lab or clinical-based research. Through the hard work and innovation of the MedIT team,

the DMNB curriculum was converted to an online format. Students, faculty, and staff all worked extremely hard to make this curriculum work. For the Med 3 and 4 students, their clerkship had to take an unexpected pause. As Public Health and Horizon requirements for patient care became clearer and adequate personal protective equipment supplies were at sustainable levels, the clerks resumed their clinical activities in early June.

The traditional Launch Ceremony to celebrate the completion of the DMNB medical school journey for our Med 4s was certainly not traditional this year. Again, through innovation, amazing IT, and tremendous engagement from students, the virtual Launch Ceremony was created.

Over the summer of 2020, the adaptations to the new world were evolving. Through protocol development with UNB and Worksafe New Brunswick, plans were developed to transition our researchers back to their work.

Despite the challenges, this report outlines many of the activities and accomplishments of the students, faculty, and staff of DMNB in the 2019-2020 academic year.

We celebrate 10 years of DMNB in 2020. Although some of our face-to-face celebrations have been postponed, we celebrate the students, staff, and faculty who have demonstrated a commitment to ensure continued high quality research and medical education responsive to the needs of New Brunswick and the Maritimes.

Jennifer Hall, MSc, MD, CCFP, FCFP
Associate Dean, DMNB

OUR MISSION

What we exist to do

The Faculty of Medicine inspires and enables excellence in health care through its medical education and research programs, and by serving and engaging society.

OUR VISION

What we work toward

International leadership in medical education and research, responsive to health needs across the Maritimes.

RESEARCH

- F1 International Leadership in Health Research**
- G1** To achieve national/international recognition for accomplishments in important areas of health research
 - P 1.1: Identify relative potential and mobilize
 - P 1.2: Strengthen infrastructure and supports
- F2 Research Responsive to Health Needs Across the Maritimes**
- G2** To leverage the Faculty's research expertise so as to enhance the health of Maritimers
 - P 2.1: Partner to establish focus and momentum
 - P 2.2 Strengthen infrastructure and supports to help drive the joint research strategy

EDUCATION

- F3 Building on Educational Excellence**
- G3** To continue producing excellent undergraduate and graduate scientists and physicians by building on innovative education programs and targeted areas of focus
 - P 3.1: Deepen our commitment to continuous improvement
 - P 3.2: Evolve, focus, and transform
 - P 3.3: Build capacity for continuous improvement
- F4 Medical Education Responsive to Health Needs of the Maritimes**
- G4** To enhance the health of Maritimers through excellence in education
 - P 4.1: Engage stakeholders as active partners in our mission
 - P 4.2 Develop capabilities across the education continuum to leverage medical education and accelerate the transformation identified in 4.1
 - P 4.3: Develop leaders in innovation and engagement
- F5 Leadership through Scholarship in Medical Education**
- G5** To continue to be nationally and internationally recognized for scholarship in education which contributes to the health of the Maritime population and more broadly
 - P 5.1: Focus
 - P 5.2: Build capacity for education research and continuously improve

SERVING & ENGAGING SOCIETY

- F6 Catalyzing Systems Change to Improve Health Outcomes**
- G6** To be a valuable agent of socially responsible change for Maritime health systems
 - P 6.1: Take stock
 - P 6.2: Partner and challenge the status quo
 - P 6.3: Enhance our own capacity
- F7 Partnering with Communities for Improved Health Outcomes**
- G7** To see equitable health outcomes for diverse populations with underrepresented voices in health systems
 - P 7.1: Get beyond concepts
 - P 7.2 Build capacity for education research and continuously improve

ORGANIZATIONAL, OPERATIONAL & FISCAL RENEWAL

OUR CORE VALUES - What characterizes our work

Excellence, innovation, life-long learning, and evidence-based critical inquiry

Relationships that are collegial, collaborative, respectful, and professional

Responsiveness to regional, national, and international health needs

Integrity, accountability, transparency, and fairness

Social responsibility, diversity, and advocacy

Education

As one of the priority initiatives of #DalMedForward, Education is part of the school's fundamental mission to inspire and enable excellence in health care.

ADMISSIONS

Multiple Mini Interviews (MMI)

On 23 November 2019, DMNB held its 11th round of Multiple Mini Interviews (MMI) at the Saint John Regional Hospital. In total, 16 physicians, 12 DMNB students, and 12 Allied Health and community members participated in interviewing 95 applicants for Fall 2020 entry to Dalhousie Medical School.

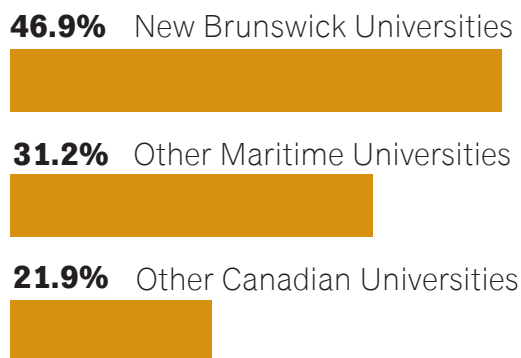
A rigorous interview process, the MMI consist of applicants moving between interview stations in a 10-station circuit. Each station lasts 8 minutes with a 2-minute break between stations. These stations are designed to asses an applicant's personal qualities such as:

- Problem solving
- Thinking on one's feet
- Leadership
- Compassion
- Motivation
- Critical thinking
- Societal health issue awareness
- Communication skills
- Ethics

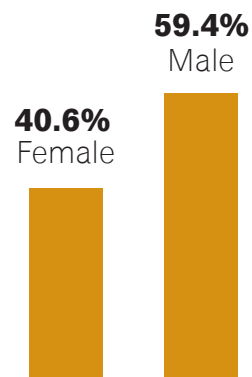
This assessment, in conjunction with all the other information collected, is used to help the admissions committee determine which applicants may be best suited for the Medical Education Program at Dalhousie University.

Class of 2024: Demographic Information

Location of Previous Study



Male/Female Student Ratio



6

students from the Class of 2024 hold a graduate degree

STUDENTS

Class of 2023

In September 2019, Dalhousie Medicine New Brunswick welcomed its tenth cohort of students into the study of medicine in New Brunswick at the annual First Light Ceremony.

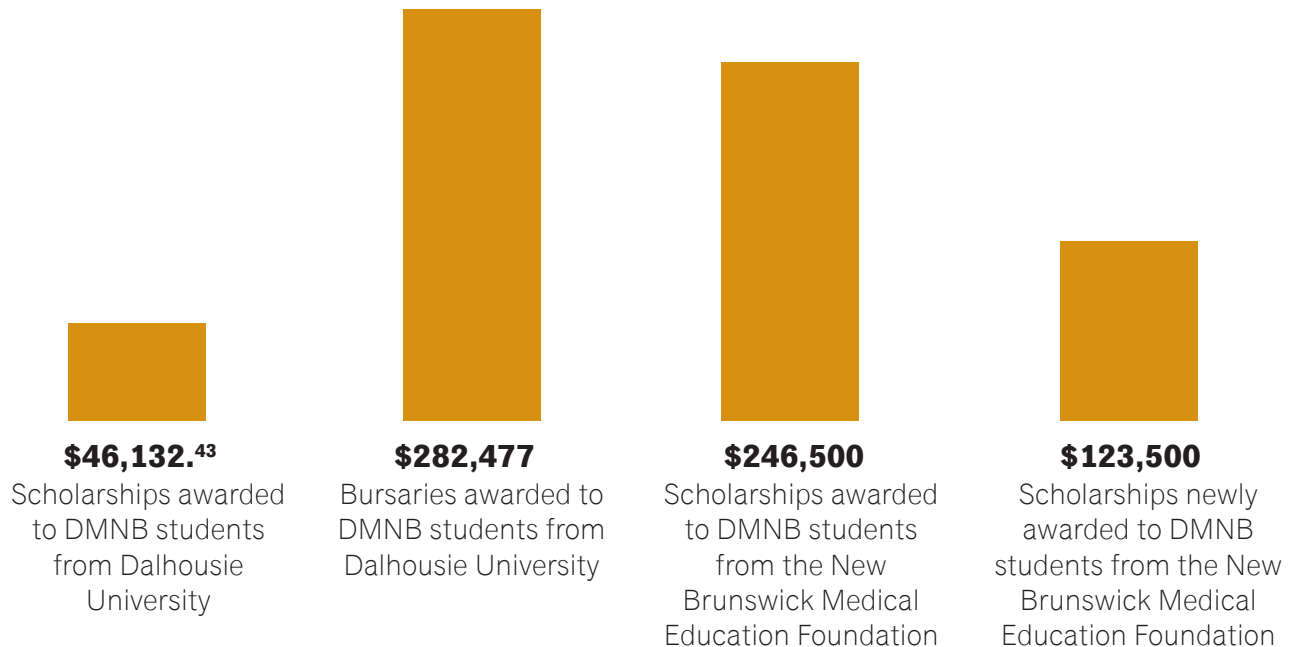
A beloved DMNB tradition, the First Light Ceremony celebrates the entrance of each new class into the world of medicine in New Brunswick, inviting parents, loved ones, and members of the DMNB family to share in this important moment with the incoming class.



Welcome to DMNB, Class of 2023!

Funding Awarded to DMNB Students

In the 2019-2020 academic year, DMNB students received **a total of \$575,109.⁴³** in funding.



Student Performance

DMNB students performed comparably to DMNS students across all four years of the program.

Education

CaRMS

On 3 March 2020, 30 DMNB students participated in the Canadian Resident Matching Service (CaRMS), Canada's post-graduate medical training application, selection, and matching system.

This academic year marked Dalhousie Medicine New Brunswick's seventh participation in CaRMS. Of the 30 students who applied, 28 matched to a residency program in Canada in the first round of CaRMS. On 15 April 2020, the remaining 2 students matched in the second round of CaRMS.

Where DMNB Graduates Go for Residency

70% Atlantic Canada



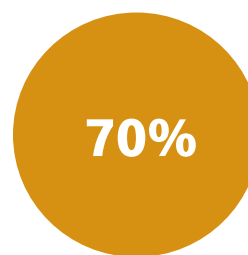
10% Central Canada



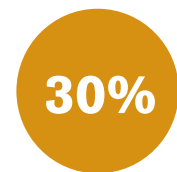
20% Western Canada



Residency Programs



Royal College of Physicians and Surgeons of Canada (RCPSC)



College of Family Physicians of Canada (CFPC)



The number of DMNB Class of 2020 students who will be carrying out their residency in New Brunswick

CaRMS: An Overview

	2019	2020	Trend
% of students passing the Medical Council of Canada Exam (Part I)	100%	Results delayed	N/A
% match in first CaRMS & US System iterations	96.9%	93%	↓
% match in second CaRMS & US System iterations	100%	100%	◆
% match to Family Medicine Specialty	53%	30%	↓

Class of 2020

On May 19, DMNB celebrated the end of the Class of 2020's four years with Dalhousie Medicine New Brunswick with the seventh annual Launch Ceremony. This year, due to the ongoing COVID-19 pandemic, the ceremony took place virtually on YouTube rather than in-person at the Imperial Theatre.

In collaboration with Dalhousie's MedIT video and audio production services, DMNB created [an hour-long video version of the Launch Ceremony](#). Consisting of all pre-recorded segments that were taped specially for this event, DMNB invited all original guests to attend the premiere of the virtual Launch Ceremony on YouTube. And, at 2:00 PM on Tuesday, May 19, over 160 people tuned in to watch and experience the video at the same time with several of them choosing to write congratulatory messages to the class in the live chat box.

One of the points in the virtual ceremony that generated the most activity amongst viewers was the presentation of awards:

Anchor Award: *Pam Murphy*. Awarded by the graduating class in recognition of the individual who has made the most significant contribution to their experience at DMNB.

Resident Teaching Award: *Dr. Alexandra Saunders (Block) and Dr. Clare Gillett (LIC)*. Awarded to the resident(s) the class feels has most significantly contributed to their medical education clerkship career.

Builder's Award: *Natasha Larivée*. Awarded by staff and presented to the graduating student they feel has made the greatest contribution to DMNB.

Director's Choice Clinical Skills Award: *Cameron Ashe*. Awarded by the Director of the Skilled Clinician Course recognizing the graduating student who demonstrates aptitude and excellence in Medicine.

Stefan Mildener Award in Social Pediatrics: *Tess Robart*. Awarded to a graduating DMNB student who has demonstrated exceptional contributions to social pediatrics during their medical school years.

Humanities Award: *Michael MacMillan*. Awarded to a member of the graduating DMNB class who has demonstrated the attributes of humanism during their training, and contributed to the concept and spirit of the Humanities in Medicine.

Humanities Award: Fostering Professional Identity: *Tess Robart*. Given to a graduating DMNB student who has demonstrated professionalism, community service, and teamwork through the Humanities Program at Dalhousie Medicine New Brunswick.

Dr. John M. Steeves Research in Medicine (RIM) Award: *Renée Kinden*. Awarded to a graduating DMNB student in recognition of excellence in the completion of the four-year course in Research in Medicine (RIM).

Dr. Mahesh Raju Internal Medicine Award: *Alexander Pupek*. Presented to the graduating DMNB student with the highest academic standing in internal medicine.

LICD Highest Academic Standing Award: *Courtney Larsen*. Given to a graduating DMNB student who achieved the highest academic standing among the students assigned to a LICD site in New Brunswick.

Education

LICD Community Outreach Champion Award: *Ricarda Konder*. Given to a graduating DMNB student who was actively involved and had a positive influence in the community during clerkship.

LICD Patient Champion Award Award: *Natasha Larivée*. Given to a graduating DMNB student who demonstrated aptitude and excellence in fostering continuous, caring relationships between patients and their families, and the coordination of care in the healthcare setting.

Award for Excellence in Family Medicine: *Victoria Landry*. Given to a graduating DMNB student who had the highest academic standing in Family Medicine and who matched to Family Medicine in the Maritimes.

Award for Excellence in Geriatric Medicine: *Devin O'Brien*. Awarded by the Geriatrics Department at the Saint John Regional Hospital to a graduating DMNB student who demonstrates aptitude and excellence in the field of geriatric medicine.

Award for Excellence in Internal Medicine: *Devin O'Brien*. Awarded by the Saint John Regional Hospital Internal Medicine Department to a graduating DMNB student who demonstrates aptitude and excellence in the field of Internal Medicine.

Dr. Paul Handa Excellence in Nephrology Award: *Jeffrey Fournier*. Presented on behalf of Dr. Paul and Mrs. Eileen Handa, this is awarded to a graduating student who demonstrates aptitude and excellence in the field of Nephrology.

Award for Excellence in Emergency Medicine: *Renée Kinden*. Awarded by the Saint John Regional Hospital Emergency Medicine Department to the graduating DMNB student(s) who demonstrate(s) aptitude and excellence in the field of Emergency Medicine.

Award of Excellence in Physical Medicine & Rehabilitation: *Courtney*. Awarded by the Stan Cassidy Centre for Rehabilitation to a graduating DMNB student who demonstrates exceptional skill and enthusiasm towards the specialty of physical medicine and rehabilitation.



The Imperial Theatre's annual congratulatory message to the graduating DMNB class on their marquee.

Convocation

On May 21, all 30 students in the DMNB Class of 2020 officially became Doctors of Medicine during the virtual Convocation Ceremony that took place live from Halifax.

Excitingly, 2 out of the 10 students who graduated with distinction were DMNB's own Michael MacMillan and Alexander Pupek. Our students also went on to win an astounding 12 awards – including the prestigious Dr. C. B. Stewart University Medal in Medicine, which is given to the student with the highest standing in the regular medicine course:

Graduation with Distinction: *Michael MacMillan and Alexander Pupek.* Awarded to students who have, on graduation, reached a high standard set by the Faculty of Medicine.

Dr. C. B. Stewart University Medal in Medicine: *Michael MacMillan.* This prize is awarded to the graduating student with the highest standing in the regular medical course.

Dr. John F. Black Prize: *Patrick Iles.* This prize is awarded to the graduating student with the highest standing in surgery.

Dr. Robert C. Dickson Prize in Medicine: *Michael MacMillan.* This prize is awarded to the graduating student with the highest standing in medicine in all four years.

Dr. N. N. Isa Achievement Award: *Alexander Clark.* This prize is awarded to a graduating student for outstanding achievement during his/her core rotation in the Department of Obstetrics and Gynecology at the Saint John Regional Hospital.

Dr. Leo Horowitz Prize in Diagnostic Radiology: *Patrick Iles.* This prize is awarded to the graduating student who demonstrated the greatest interest and aptitude towards the study of radiology.

Hunter Humanities Award: *Ricarda Konder.* This prize is awarded to a graduating student for outstanding contribution in the area of medical humanities, and who demonstrates the humanistic qualities of caring and compassion in care of patients.

Dr. R. O. Jones Prize in Psychiatry: *Michael MacMillan.* This prize is awarded to a graduating student with the highest standing in psychiatry during the entire medical program.

Society for Academic Emergency Medicine: *Michael MacMillan.* This prize is awarded to a graduating student for excellence in emergency medicine.

Dr. Leonard Kay & Simon Levine Scholarship: *Victoria Landry.* This prize is awarded to a graduating student for pursuing studies in family medicine.

Earle Family Prize: *Natalie Wallace.* This prize is awarded to students who have demonstrated the skills necessary to practice rural medicine in New Brunswick.

Dalhousie Research in Medicine Award: *Ricarda Konder.* This prize is awarded to a graduating student for excellence and impact in research performed in the RIM unit.

Dr. Arnold & Patricia Hill Prize in Addiction Medicine: *Emily Leaman.* This prize is awarded to a graduating student interested in addiction medicine.

Education

CURRICULUM

Clinical Education Update



Clinical education in New Brunswick underwent a major interruption in March 2020 when the COVID-19 pandemic forced the suspension of clerkship, clinical electives, and other face-to-face clinical activities in Med 1 and 2. Prior to this, both traditional clerkships and longitudinal integrated clerkships had been progressing well with students in all sites availing themselves of the excellent clinical experiences offered by our dedicated faculty and staff.

Clerkship activities for the Class of 2021 resumed on 8 June 2020. Students returned to their distributed LICD sites and the traditional clerkship blocks in Saint John, and proceeded to complete their objectives and exams. In order to avoid a second year of overlap between two clerkship cohorts, major adjustments were made to PIER programming and scheduling and the clerkship was extended to the end of September 2020.

Further changes occurred when the Association of Faculties of Medicine of Canada (AFMC) declared that fourth year electives would only occur within students' own home schools this year to comply with isolation requirements in various provinces. From a New Brunswick standpoint, this has meant that all of our clinical sites have been asked to accept more students for elective placements than ever before. I cannot understate the gratitude that must be extended to our faculty across all sites for making these electives available for our Dalhousie Medicine students.

A debt of gratitude must also be extended to the Leadership of Horizon Health Network — from the onset of the pandemic, it was clear that our undergraduate students felt supported by our Health Authority, and that they were

considered integral to the health care teams that care for our patients.

Although simulation activities were curtailed at the onset of the pandemic, they have now largely resumed at all sites. Once again, thanks are extended to our dedicated faculty who have ensured that our students are aware of the procedures for appropriate donning and doffing of Personal Protective Equipment (PPE).

In terms of providing PPE supplies to our students, the New Brunswick Medical Society was quick to include students and residents among those who could request PPE for use in community-based clinical settings. This has been a critical element in DMNB's ability to safely return our students to the clinical education that will ensure our province has a steady supply of medical professionals who have trained within and understand the complexities of providing care during a pandemic in New Brunswick.

The undergraduate medical education curriculum is currently undergoing a review and refresh with areas of focused activity around: Health Systems; Movement to Competency Based Learning; Generalism; Addictions Medicine; Poverty and Marginalized Communities; Equity, Diversity, Inclusivity (EDI) and Public Health; and Planetary Health (including Climate Crisis). We are all looking forward to see how these various areas will combine to create a revised curriculum that will give our learners a strong footing as they embark on their careers as medical professionals during what can only be described as a tumultuous period in history.

We continue to enjoy strong clinical leadership from our discipline-specific clerkship directors in Saint John and site directors at all of our Horizon Health Network sites (Upper River Valley, Fredericton, Moncton, and Miramichi). We are also extremely fortunate that our Saint John-based faculty leads for the PIER programs, Clinical Skills program and Interprofessional Education and Simulation provide our students with the curricular elements they require to successfully complete their training.

Our coordinators and staff, both at DMNB and at all of our distributed sites, are to be commended for their dedication to our students and to our undergraduate program in New Brunswick.

Robert Boulay MD, CCFP

Assistant Dean Clinical Education DMNB

Lectures Delivered

Dalhousie Medicine New Brunswick is aiming to have 25% of all lectures for the undergraduate medical education program delivered from New Brunswick. Faculty development and engagement at our distributed sites is a major component of the numbers.

% of Overall Lectures Delivered by New Brunswick Faculty (Med 1-4)

Year	2018-2019	2019-2020	Trend
Med 1	29/204 (14.2%)	22/204 (10.8%)	↓
Med 2	12/220 (5.5%)	14/212 (6.6%)	↑
Med 3	23/48 (47.9%) *	15/30 (50%) **	↑
Med 4	20/86 (23.3%)	16/37 (43.2%) **	↑

* Number of New Brunswick lectures did not decrease, but overall number of Med 3 lectures increased.

** Number of total lectures decreased due to moving some sessions to webinars and other online modules.

Research

Like Education, Research is another priority initiative of #DalMedForward, which aligns with the Dalhousie Faculty of Medicine's fundamental mission to inspire and enable excellence in health care.

ASSISTANT DEAN, DMNB RESEARCH UPDATE



Well, hasn't 2020 been quite the year? The academic year at DMNB has certainly been one of challenges, resilience, transition, and success in the research program.

Fall 2019 and winter 2020 were progressing well. The laboratories were functioning as usual, and research output in terms of presentations and publications was flourishing.

Then COVID-19 hit and it hit our research team hard, forcing the laboratories to close and team members to work from home. And yet, despite this challenge, the successes continued. Everyone quickly adapted to the "new normal" until the laboratory was able to slowly reopen, at a reduced capacity, on 15 June 2020 with new measures implemented to ensure a safe work environment.

The summer continued to be a season of transition. I became the new Assistant Dean of Research on 1 July 2020, succeeding Dr. Anthony Reiman who inaugurated the position and helped build the now thriving research enterprise at DMNB over the past 11 years. He remains with us as a researcher in our shared laboratory space and we thank him for his continued service.

Later in 2020, the DMNB Research Council was formed, building on the strengths of our biomedical science and health services research pillars with the addition of clinical and medical education research areas of focus, which aim to support full-time Faculty of Medicine researchers and clinician scientists across the province.

Despite the impacts of COVID-19, the pandemic provided new research opportunities. Dr. Keith Brunt's team quickly established a protocol to collect plasma/serum and patient information from COVID-19 patients. Dr. Dan Dutton, Dr. Brunt, and myself, along with other co-investigators, developed, completed and published an analysis of COVID-19's impact on hospital admissions. Dr. Sarah Gander's Community Social Pediatrics Program, which opened in October 2019, also braved the COVID-19 pandemic and reached its recruitment goal.

There have also been several significant new grant awards, some of which deserve a special mention:

- Canadian Cancer Society/Canadian Institutes of Health Research Survivorship Team Grant awarded to Dr. Reiman and the Canadian Cancer Rehabilitation Team
- Healthy Seniors Pilot Project Grant awarded to Dr. Pam Jarrett and co-investigators including Dr. Dutton
- Canadian Institutes of Health Research Award to co-principal investigator Dr. Brunt
- Canadian Partnership Against Cancer Award to Dr. Amanda Caissie
- New Brunswick Health Research Foundation/Servier Canada Award to Dr. Ansar Hassan
- Dalhousie Medical Research Foundation Molly Appeal Interdisciplinary Team Grant to Dr. Thomas Pulinilkunnil

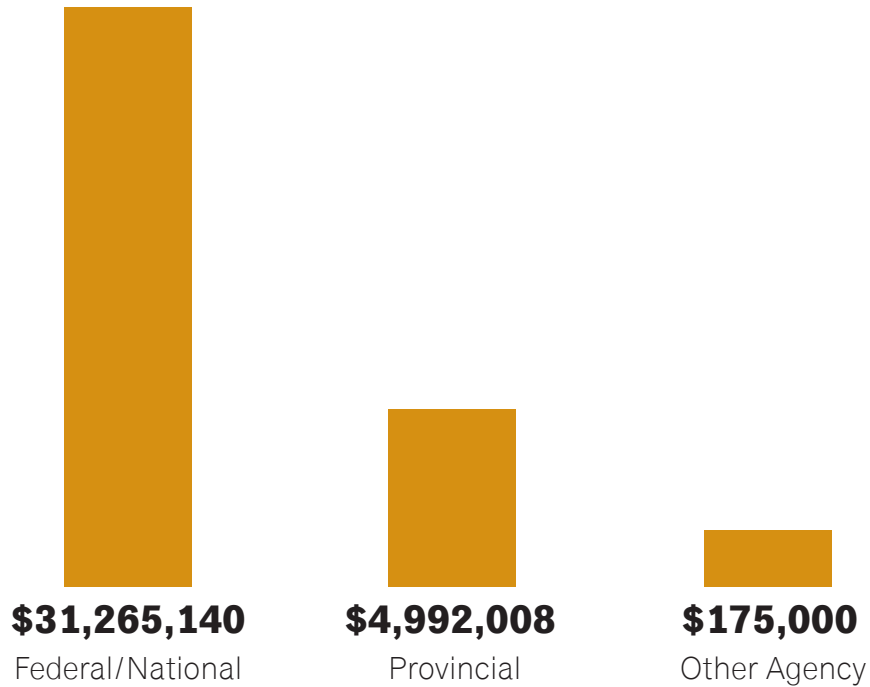
This year, Dr. Pulinilkunnil was featured in an interview with Diabetes Canada; Dr. Jarrett's team received the Research Team of the Year from the New Brunswick Health Research Foundation; and we celebrated Dasse Nadaradjan's Faculty of Medicine Awards of Excellence in Leadership win.

Finally, we are pleased to share in the success of our students. Neil Mueller and Esther Yi, summer students in the Kienesberger and Pulinilkunnil Lab, received several prestigious awards. Victoria Northrup, one of Dr. Brunt's students, received the Dr. Linnea Veinotte Memorial Graduate Scholarship Award. As the Director for Graduate Student Affairs, Dr. Petra Kienesberger continues to ensure DMNB offers a supportive environment for our students. Notably, October 2019 saw the graduation of one of Dr. Kienesberger's students (and DMNB's first ever PhD student!), Dr. Kenneth D'Souza.

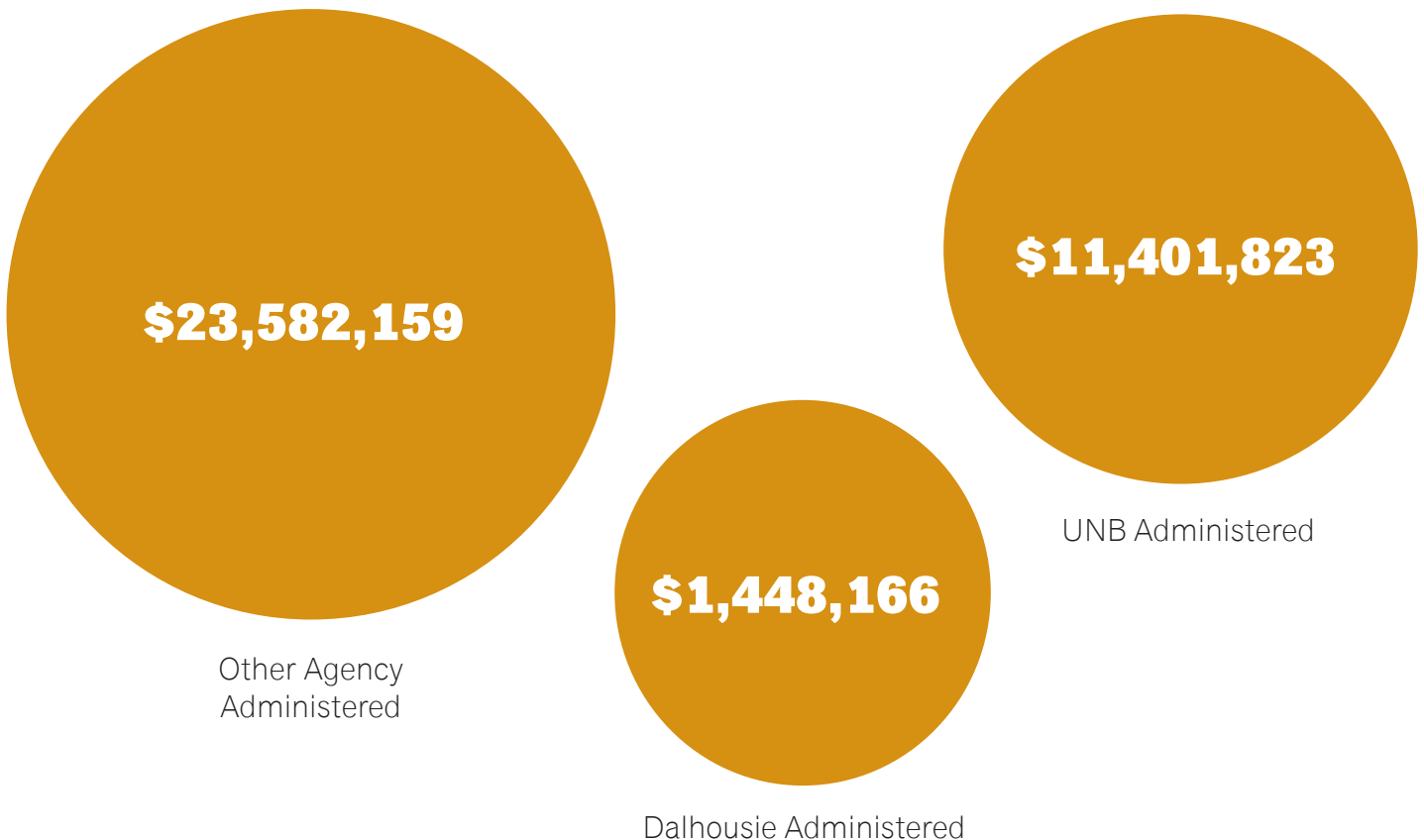
Paul Atkinson, MB MA FRCPC
Assistant Dean, DMNB Research

FUNDING

Funding Update for the 2020 Fiscal Year



Administration of Funding Received in the 2020 Fiscal Year



Research

METRICS

Research Metrics for the 2020 Fiscal Year

\$36,432,148

Research Funding Awarded to Principal Investigators (PIs) *

* Funding reflects **full grant amounts** and includes grants in which PIs are **principal or co-investigator, or are on a team** with another nominated PI.

16

Publications by PIs
(Peer-Reviewed)

18

Reported Dalhousie University Faculty
of Medicine, NB Publications

23

Presentations
by PIs

2

Presentations
by Trainees

DMNB Research Lab Numbers for Summer 2019

Principal Investigators	5
Senior Scientists	1
PhD Students	6
MSc Students	1

Summer Students	8
Post-Doctoral Researchers	4
Grant-Paid Staff	10
Volunteers	5

Graduation of Dr. Kenneth D'Souza

Dalhousie Medicine New Brunswick marked a historic milestone in October with the graduation of their first ever PhD student, Kenneth D'Souza, who pursued his doctoral studies under the supervision of Dr. Petra Kienesberger.

D'Souza originally came to DMNB in 2014 to work as a research technician in Dr. Kienesberger's laboratory upon completing his Master's degree in Biochemistry at McMaster University. After a year of working alongside Dr. Kienesberger, D'Souza decided to apply for a PhD with her laboratory in 2015. Four years later, D'Souza received his diploma at the Dalhousie University Fall 2019 Convocation and officially became a doctor!



Dr. Petra Kienesberger (left) with Dr. Kenneth D'Souza (right).

Serving and Engaging Society

The third pillar of the #DalMedForward strategic plan, Serving and Engaging Society aims to meet the health care needs of the Maritime community through scientific discovery, training, and working in partnership with government and teaching hospital partners.

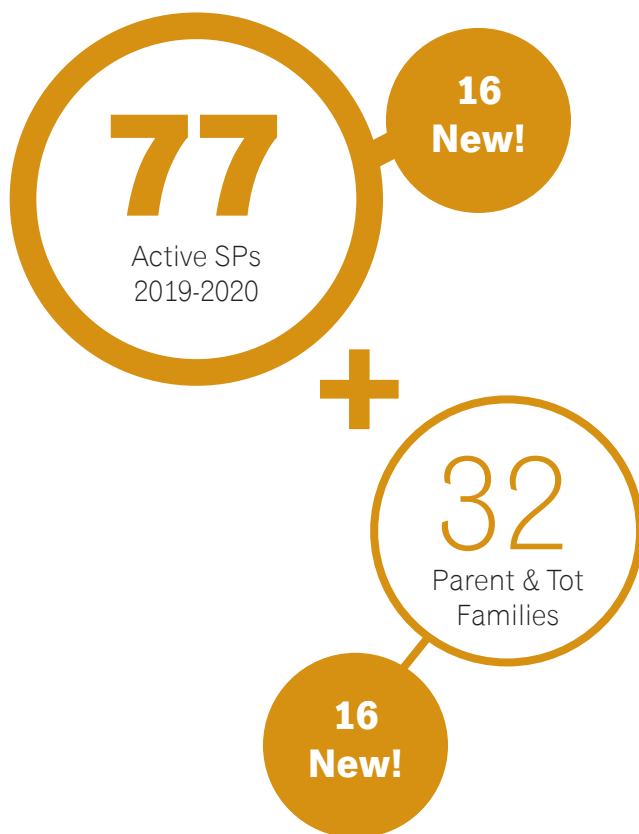
PUBLIC ENGAGEMENT

Volunteer and Simulated Patient Recruitment

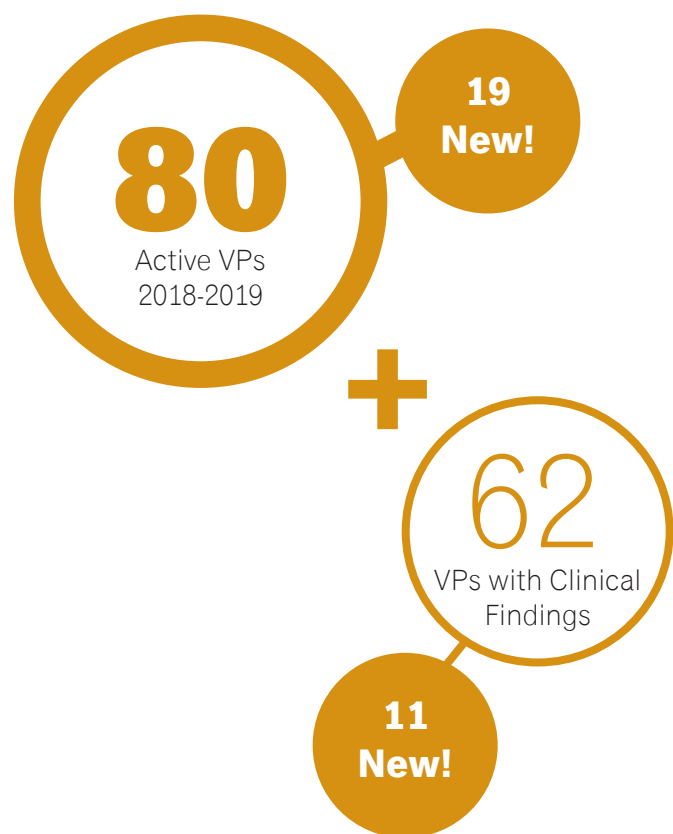
DMNB programs are dependent on engaging community volunteers and other members of the community who enable students to develop their clinical skills.

In the 2019-2020 academic year, 77 simulated patients remained active with 16 new; 32 parent and tot families remained active with 16 new; 80 volunteer patients remained active with 19 new; and 62 volunteer patients with clinical findings remained active with 11 new.

Simulated Patients (SPs)



Volunteer Patients (VPs)



COMMUNITY INVOLVEMENT

Service Learning Program

DMNB had another successful year with 12 students participating in the Service Learning Program, an optional program facilitated by the Faculty of Medicine's Global Health Office that integrates community-based content into the first year Professional Competencies class. Students have the option to take part in the community-

Serving and Engaging Society

Service Learning Program (Continued)

engaged experience component of the program in their second year. Service Learning is a learning enrichment program integrated into the established undergraduate medical education curriculum.

In the 2019-2020 academic year, DMNB students were split into 6 groups of 3 students and worked with the following community partners:

1. Saint John Human Development Council (SJHDC)
2. St. Joseph's Community Health Centre/Horizon Health
3. Avenue B Harm Reduction
4. Fresh Start Services for Women
5. Teen Resource Centre/Pathways to Education
6. NaviCare/SoinsNavi

Given the impacts of COVID-19 on academic year-end activities, many students were provided with extensions and the program ran into summer 2020, overlapping with the program launch for the next group of students. Nevertheless, students and community partners were all flexible and adapted to the many changes and uncertainties that came along with the necessary Public Health measures.

Luckily for program participants, many had completed their community-engaged experiences and were able to complete their final community contribution and critical reflection assignments successfully at a distance. Here is a snapshot of some of this year's student community contributions:

- **Avenue B:**

- * 1 student created pocket card resources for people who use substances to assist them in communicating their needs with healthcare providers.
- * 1 student created two resources:
 - Business-card sized resources for people working in the sex trade, which includes a checklist of items to bring to meet clients, and a spot to fill out an emergency contact.
 - Pocket-card sized resources for health care workers addressing care of patients involved in sex work, including important points in care, red flags for sex trafficking, and caring for a patient after a sexual assault.

- **Teen Resource Centre/Pathways to Education:** 2 students developed a pair of workshops with the goal of empowering students with the knowledge to be advocates for their own healthcare.

- **NaviCare/SoinsNavi:** 1 student created a handout that listed various online, literary, and community resources that support youth with complex healthcare needs in transitioning to adult life and accessing medical services as adults.

"I am comforted knowing that someone like you will have a career caring for the health of others."

— Feedback from a Saint John community partner to a DMNB student

The experiences for the upcoming 2020-2021 Service Learning Program student group were all developed to be completed at a distance.

Serving and Engaging Society

Student Advocacy and Outreach

During the 2019-2020 year, DMNB students advocated by:

- Working with students at the Centre de formation médicale du Nouveau-Brunswick (CFMNB) in Moncton to organize and execute the Provincial Day of Action on the topic of Physician Recruitment and Retention in New Brunswick
- Meeting with MLAs in Saint John and at the legislature in Fredericton to discuss physician recruitment and retention
- One student travelling to Ottawa as part of the National Day of Action to meet with MPs and advocate on the topic of Access to Contraception
- Continuing the Sexual Health Outreach Program wherein DMNB students go into high school classrooms to teach sexual health

DMNB students also:

- Won the Canadian Medical School Phlebotomy Bowl in support of Canada Blood Services with the top donations per capita of Canadian medical schools
- Continued S.W.A.M. (Swimming With A Mission) at the Saint John Aquatic Centre
- Collaborated with Dalhousie Medicine Nova Scotia for the annual Movember campaign and raised \$2,887 in support of men's health
- Spearheaded a letter writing campaign to advocate for Clinic 554 and reproductive rights in New Brunswick
- Organized the 9th Annual DMNB Charity Golf Classic in support of the Saint John Regional Hospital Woman's Breast Health Trust Fund and raised \$17,173.¹⁹



The 9th Annual DMNB Charity Golf Classic.

Serving and Engaging Society

Student Advocacy and Outreach (Continued)

Other notable student advocacy and outreach achievements for the 2019-2020 year:

- The DMNB Students and Trainees Advocating for Resource Stewardship (STARS) representative, along with the Sherbrooke STARS representative, created clerkship cards for their respective classes. Clerks will carry these with them and use them to make appropriate and evidence-based decisions regarding stewardship and choosing wisely.
- DMNB student, Ola Sobodu, was involved in the First Annual General Meeting of Black Medical Student's Association and was elected as the Atlantic Regional Director.
- Students represented DMNB at the Canadian Federation of Medical Students (CFMS) Annual General Meeting in St. John's, Newfoundland.
- Student-led initiatives mobilized quickly in response to the COVID-19 pandemic. To help their future colleagues, DMNB students:
 - * Collaborated with the Saint John Medical Society (SJMS) to collect personal protective equipment for local medical offices
 - * Helped local healthcare workers with daily tasks through the creation of the Dal Students for Healthcare Providers New Brunswick chapter



Ola Sobodu speaks at the First Annual General Meeting of the Black Medical Student's Association



DMNB students at the Canadian Federation of Medical Students (CFMS) Annual General Meeting in St. John's, Newfoundland

Serving and Engaging Society

Doctor for a Day at DMNB

On 1 November 2019, Dalhousie Medicine New Brunswick welcomed a group of 8 students and 3 staff members from the Under One Sky Friendship Centre in Fredericton, NB to their building in Saint John, NB for the second Doctor for a Day at DMNB event.

In operation since 2004, the Under One Sky Friendship Centre is New Brunswick's only off-reserve Aboriginal head start program, which aims to enrich the lives of Aboriginal people in the Fredericton area through various programs and workshops.

Nearly a year in the making, the first Doctor for a Day at DMNB event on 31 March 2019 marked the culmination of many discussions between DMNB and the Under One Sky Friendship Centre. Together, they developed this one-day opportunity for interested students to explore the study of medicine through hands-on skill development, educational activities, and discussion with medical students and local health professionals.

Following the enthusiastic feedback received from the students who attended the event in March and from the debrief meeting held at the Under One Sky Friendship Centre in May, DMNB expanded the Doctor for a Day event from 10:00 AM to 2:00 PM to 9:00 AM to 3:30 PM.

This longer run-time allowed the individual skills sessions to be extended to a half-hour each instead of twenty-minutes, giving students more time to learn each skill. This time, students got to try their hand at vital-taking, suturing, reflexes, and ophthalmology (replacing ultrasound).

With two-and-a-half hours more to work with, DMNB incorporated a medical student-written professional competencies case for our visiting students to tackle. We were also able to expand our health sciences sharing circle to a full hour, inviting crowd-favourite resident nurse and Piluwitahasuwin (Wolastoqey word gifted by Elder Opolahsomuwehs meaning "one who promotes change in a good way toward truth) Amanda Reid back to share her experiences.

UNB Elder-in-Residence Ramona Nicholas also returned for our second Doctor for a Day at DMNB event to kick things off with a smudge ceremony and she also had the time to lead students at our November 1 event in a 'Comparing Western and Traditional Medicine' activity that was not included in our March 31 event.



The full group of DMNB's second Doctor for a Day event with UNB Elder-In-Residence, Ramona Nicholas, centre.

Organizational, Operational, and Fiscal Renewal

The fourth and final pillar of #DalMedForward is Organizational, Operational, and Fiscal Renewal, which provides the foundation and structure needed to effectively implement the strategic plan.

FACULTY

Faculty Development Program Overview

Despite the COVID-19 pandemic, the DMNB Faculty Development (FD) team had a productive year.

They launched a medical education podcast called The Fac Dev Lounge in December 2019 and released an impressive 10 episodes over the course of the academic year. Spearheaded by longtime DMNB faculty member, Dr. Sarah Gander, the podcast is available for listening on [Soundcloud](#), [iTunes](#), and [YouTube](#). Faculty members can claim MCO Section 2 credits for each full-length episode.

The first 10 episodes covered such wide-ranging topics as self-care, the COVID-19 pandemic, virtual teaching, leadership, and systemic racism, and featured special guests like Dr. Robert Boulay, Dr. Wendy Stewart, and Dr. Shazeen Suleman.

Here are a few more highlights from the year:

- 93 faculty members attended a “Virtual Supervision of Medical Students in Clinical Settings” COVID-19 Faculty Development session in May 2020.
- A new biweekly teaching tips newsletter series called DoctOK (Teaching, Observing, Knowledge) launched in June 2020, providing faculty with summaries of FD resources and evidence-based teaching pearls.
- The DMNB Faculty Development website received a major facelift in summer 2020 and became a useful one-stop shop for on-demand Fac Dev resources.
- A tutor development program to fully support New Brunswick-based tutors from entry to exit was developed for August 2020 implementation.
- DMNB Faculty Development created a video series featuring longtime faculty member, Dr. Wendy Stewart, to support virtual tutoring and virtual clinical teaching.
- The DMNB Faculty Development team partnered with McMaster University for a journal submission that was accepted for a special Faculty Development edition of *Medical Teacher*.

Faculty
Development:
**A Year In
Review**

Pre-COVID-19
6 with **55**
face-to-face in
FD sessions attendance

During COVID-19
4 with **37**
virtual in
FD sessions attendance

Organizational, Operational, and Fiscal Renewal

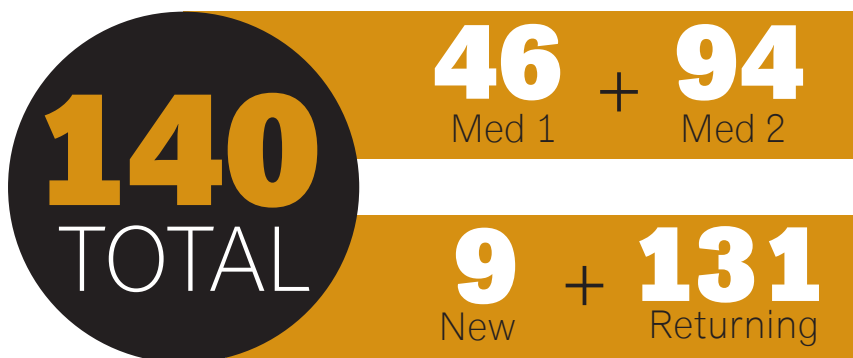
Faculty Recruitment

On 11 March 2020, Dr. Paul Atkinson was announced as the next Assistant Dean, DMNB Research, succeeding Dr. Anthony Reiman who inaugurated the position and has helped to build the now thriving research enterprise at DMNB over the past 11 years.

Effective 1 July 2020, Dr. Atkinson assumed responsibility for the oversight of the human, physical, and financial infrastructure of the DMNB biomedical research facility and of the clinical research activities of the Faculty of Medicine at the DMNB campus. He now represents DMNB at the university level to both internal and external organizations as required.



Med 1 & 2 Core Curriculum Teaching Faculty *



* Includes Med 1 and 2 case-based tutors and skilled clinician tutors.

Foundation Course in Occupational Medicine

The Foundation Course in Occupational Medicine is a Continuing Medical Education course which Dalhousie University offers in conjunction with the University of Alberta's Division of Preventive Medicine. There are two parts to the course: Part A and Part B. Part A is designed to help community and family physicians to gain an understanding in the foundations of occupational medicine in recognizing and managing work-related illnesses and injuries. Part B builds on the foundations and extends the occupational medicine knowledge to the workplace.

Physicians who complete both Parts A and B of the Foundation Course will be eligible to challenge the Canadian Board of Occupational Medicine's (CBOM) Associate Membership examination. Both courses are accredited by the College of Family Physicians of Canada. The Part A course had been offered by Dalhousie University since 2014 and in 2017, the Part B course was added to the offerings. The courses were led by Drs Anil Adishes

Organizational, Operational, and Fiscal Renewal

Foundation Course in Occupational Medicine (Continued)

Adishes, Burton McCann and Sue Rideout.

The Foundation Courses were designed to be delivered via synchronous distance education in 8 modules. The other key components were 2 full-day, in person workshops which included a keynote speaker and various presentations.

In the 2019-2020 academic year, both the Part A and Part B course were expanded to include physicians from the Atlantic provinces and added Dr. Sue Rideout-Vivian from Newfoundland as a tutor. There were 18 physician participants in total: 9 in Part A and 9 in Part B. The courses had similar registrations in the previous year with 11 and 6 physicians in Part A and B courses, respectively.

A majority of the course instruction took place over videoconferencing. The biggest impact of the COVID-19 Public Health restrictions in March 2020 was the face-to-face tutorials, which were scheduled to be on the Dalhousie University campus in Halifax, NS. The tutors had to make changes to the two remaining face-to-face workshops, one each for the Part A and B courses, to convert them into virtual workshops. With the technological infrastructure in place for undergraduate medical education, the course tutors were able to swiftly adapt the workshops and the keynote speakers were guided to move to the new format. With the exception of one physician in the Part B course who had to defer due to scheduling conflicts, all registered physicians successfully completed the Foundation Courses.

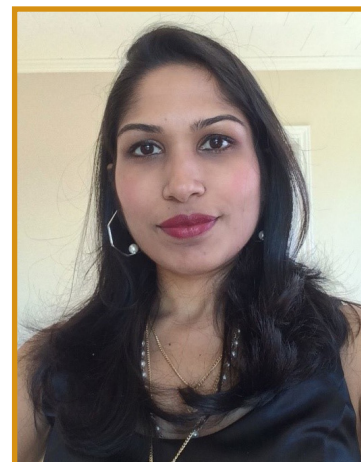
The faculty would like to congratulate the 8 physicians from the Part B course who received the Associate membership to the Canadian Board of Occupational Medicine (ACBOM) designation following their successful challenge of the membership exams. This makes the total number of physicians who received the ACBOM designation from the Foundation Courses (Atlantic) to 26. The designation is an acknowledgement that designees have demonstrated satisfactory knowledge of occupational health principles. Additionally, it also opens different career avenues as some of the physicians are taking on roles with their Provincial Workers' Compensation Boards. This reflects DMNB's role in the expansion of occupational medicine awareness and competency to family and community physicians in the Atlantic provinces.

STAFF

Staff Recruitment

In the 2019-2020 academic year, DMNB was pleased to welcome Dr. Christie Aguiar on 1 July 2020 as our new Biobank Coordinator.

As the Biobank Coordinator, Dr. Aguiar will work independently and under the direction of DMNB's Principal Investigators to assist with the biobanking of human tissue samples and provide operational logistics for human tissue biobank.



Dr. Christie Aguiar

Organizational, Operational, and Fiscal Renewal

Celebrating Staff



Anchor Award

Awarded by the graduating class to the individual who made the most significant contribution to their DMNB experience, the Class of 2020 presented Pamela Murphy (Student & Resident Affairs Coordinator) with this award at the virtual Launch Ceremony in May.



Life Saver Award

Each year, a DMNB staff member is recognized for going above and beyond in providing outstanding assistance to others throughout the year. This year's recipient of the Life Saver Award is Michelle Glaspy (DMNB Med 1 Coordinator).

5 and 10 Year Celebrations

This year, DMNB celebrated an impressive total of nine work anniversaries with one staff member having completed 5 years with Dalhousie Medicine New Brunswick and eight staff members having completed 10 years.

Celebrating 5 Years

2015-2020

Tara Allison

Clerkship Coordinator
Miramichi

Celebrating 10 Years

2010-2020

Peggy Alexiadis-Brown

Program Evaluation
Specialist

Kenneth Lerette

Director, DMNB
Technology & Facilities

Tricia Cole

Simulated Patient
Educator

Graham MacKenney

Senior Technical
Support Analyst

Kelly Flowers

Executive Assistant to
Dr. Jennifer Hall and
Dr. Robert Boulay

Stephanie Rutherford

Simulated Patient
Educator

John Jefferson

Videoconference
Production Analyst

Natalie Vautour

Operations Manager



**DALHOUSIE
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Dalhousie Medicine
New Brunswick