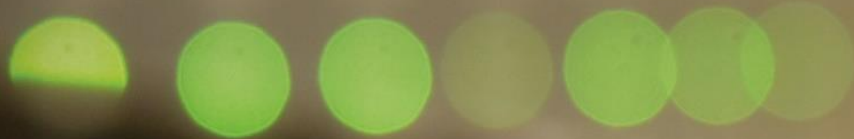


# THE DISCIPLINE OF LABORATORY MEDICINE

ANNUAL REPORT  
2022 - 2023



## OUR MISSION

Working in a spirit of collaboration and respect, and by forming mutually beneficial partnerships, the Discipline of Laboratory Medicine delivers excellence in competency-based education, research and evidence-based clinical diagnostics.

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# MEMORIAL UNIVERSITY OF NEWFOUNDLAND FACULTY OF MEDICINE STRATEGY MAP

## DESTINATION EXCELLENCE 2018-2023

### OUR MISSION

Working in the spirit of partnership and respect, the Faculty of Medicine is committed to delivering integrated excellence in education, research and evidence informed care; meeting the unique health needs of our rural, remote and urban communities; and advocating for health, equity, Indigenous health and healthy populations.

### OUR VISION

Through excellence, we will integrate education, research and social accountability to advance the health of the people and communities we serve.

Thus, achieving our VISION and MISSION.

To meet the needs of the PEOPLE we serve,

So, we can operate with EFFECTIVENESS and EXCELLENCE,

To build a STRONG and PREPARED team,

We use our RESOURCES wisely,

Guided by our values,

IMPROVING LIVES		
THRIVING LEARNERS AND GRADUATES	IMPACTFUL RESEARCH	HEALTHIER COMMUNITIES
<ul style="list-style-type: none"> <li>Learners achieve academic success throughout their Faculty of Medicine educational journey</li> <li>Learners rate their educational experience as excellent</li> <li>Learners feel connected, supported and challenged to reach their full potential, with resilience</li> <li>Learners gain the skills to lead and participate in inter-dependent teams</li> <li>Graduates are prepared to respond to population needs and to be tomorrow's scientific and clinical leaders</li> <li>Graduates are equipped with the competencies needed to thrive in the 21st century health system</li> <li>Learners, faculty and staff are lifelong learners</li> </ul>	<ul style="list-style-type: none"> <li>Our research addresses pressing and emerging needs of regional, Indigenous and global populations</li> <li>Our research accelerates the transfer of discoveries into clinical practice, education and the health system</li> <li>Faculty, staff, researchers and learners are active partners in integrated research and scholarly pursuits</li> <li>Our inter-dependent research projects are community informed and inspired</li> <li>Our research achievements are nationally and internationally recognized and acclaimed</li> </ul>	<ul style="list-style-type: none"> <li>The communities we serve are actively engaged in identifying community needs, influencing education, research and service priorities and evaluating new models of practice</li> <li>Learners are motivated to remain in our communities after graduation and to support underserved, rural and remote areas</li> <li>Government, academic and health partners are involved in the pursuit of our mission</li> <li>We participate in sustainable regional, provincial, national and global partnerships to shape and improve health equity and the health system</li> <li>Faculty, staff, learners and graduates embrace their social responsibility to positively impact the health status of our communities</li> </ul>

EXCELLENCE IN ALL WE DO		
EDUCATION EXCELLENCE: We must excel at...	RESEARCH EXCELLENCE: We must excel at...	SOCIAL ACCOUNTABILITY: We must excel at...
<ul style="list-style-type: none"> <li>Delivering high quality, dynamic and innovative academic programming</li> <li>Enabling faculty to be exceptional teachers and learner advocates</li> <li>Providing learners with active, engaged, empowering and authentic community-based experiences that include longitudinal learning activities</li> <li>Incorporating competency-based learning, programmatic assessment and inter-dependent practice</li> <li>Accelerating the effective use of education technologies across all programs and teaching spaces</li> <li>Teaching, mentoring, assessing and supporting learners</li> <li>Providing learners with career planning services to support and prepare them to return to work in our communities</li> </ul>	<ul style="list-style-type: none"> <li>Identifying focused areas of research strength where we can lead and maximize return on investment</li> <li>Empowering researchers with appropriate resources, support and efficient processes</li> <li>Embedding an integrated and coordinated research curricula across all programs</li> <li>Promoting and nurturing the development of inter-dependent research teams to accelerate scientific discoveries</li> <li>Building robust academic and external partnerships and networks</li> <li>Effectively disseminating our research outcomes to the scientific and clinical communities and the public</li> </ul>	<ul style="list-style-type: none"> <li>Inscribing global health and community engagement principles and competencies into academic programming</li> <li>Preparing learners to understand the determinants of health and health policy and to advocate for patients and communities</li> <li>Actively listening to and collaborating with the populations we serve and our health and research partners</li> <li>Evaluating and enhancing our education, research and service programs in alignment with community needs</li> <li>Developing partnerships that strengthen community capacity in underserved populations and rural and remote areas</li> <li>Building structures that expand our influence and presence in Canada and on the global stage</li> <li>Expanding philanthropic funding models to advance our mission</li> </ul>

EMPOWERED PEOPLE			
CULTURE OF EXCELLENCE: We will...	INSPIRING LEADERSHIP: We will...	EXCEPTIONAL PEOPLE: We will...	ROBUST INFRASTRUCTURE: We will...
<ul style="list-style-type: none"> <li>Unify our team around a focus on excellence and achievement of our shared vision, mission and values</li> <li>Create a productive, engaging, enjoyable and supportive work experience for faculty and staff</li> <li>Weave social accountability into everything we do</li> <li>Embrace meaningful change and translate ideas and solutions into action</li> <li>Cultivate an environment of lifelong learning</li> </ul>	<ul style="list-style-type: none"> <li>Nurture and support formal and informal leaders to inspire and lead, in alignment to our vision and mission</li> <li>Facilitate effective communication and collaboration amongst learners, faculty, staff and community partners</li> <li>Encourage and support leadership development for current and future leaders</li> <li>Create and embrace opportunities for all staff, learners and faculty to achieve their potential</li> </ul>	<ul style="list-style-type: none"> <li>Work in a dynamic organizational structure, and ensure our people are in the right roles, equipped with the right skills, focused on the right priorities</li> <li>Build our talent and workforce capabilities through strategic recruitment and retention programs and succession planning</li> <li>Facilitate exceptional faculty and staff development and mentoring at all career stages</li> <li>Foster an environment that encourages wellness for all</li> <li>Recognize and celebrate individual and team achievements</li> </ul>	<ul style="list-style-type: none"> <li>Stay at the forefront of advances in educational, research and information technology</li> <li>Enhance technologies that enable teamwork and collaboration</li> <li>Harness the full power of existing and new technology, equipment and labs</li> <li>Fortify data management capabilities and capacity to capture, store, preserve, access and utilize data securely</li> <li>Provide spaces where faculty, staff and learners can network and collaborate</li> </ul>

ENDURING LEGACY		
EFFICIENT AND EFFECTIVE RESOURCING: We will...	CONTINUOUS PERFORMANCE MANAGEMENT AND IMPROVEMENT: We will...	DYNAMIC ADVOCACY: We will...
<ul style="list-style-type: none"> <li>Allocate resources to the strategic priorities, in direct alignment to our mission and to the health needs / priorities of the populations we serve</li> <li>Enhance our fundraising efforts to attract more charitable donations in support of our mission</li> <li>Expand and diversify Faculty of Medicine revenue</li> </ul>	<ul style="list-style-type: none"> <li>Track, measure and analyze our performance across our academic mandate</li> <li>Use data to continuously improve performance and results and to set improvement goals</li> <li>Strengthen program evaluation to enable improvements</li> <li>Improve efficiency and productivity through process, technology and quality improvement initiatives</li> <li>Share our performance results with faculty, staff, learners, partners and communities</li> <li>Monitor population health and our external environment, including emerging opportunities, risks and challenges</li> </ul>	<ul style="list-style-type: none"> <li>Identify, foster and participate in partnerships that advance our mission</li> <li>Promote the mission and vision of the Faculty of Medicine and communicate our contributions to our communities and to society</li> </ul>

### OUR GUIDING VALUES

We:

- Put the needs of our learners and communities at the forefront of everything we do
- Support faculty and staff to succeed
- Act and lead with integrity and professionalism
- Embrace learning, creativity and innovative thinking in all we do
- Foster inter-dependent teamwork and collaboration



# DISCIPLINE OF LABORATORY MEDICINE - STRATEGY MAP

FEB 2021

thus achieving our mission and vision	<p><b>OUR MISSION</b></p> <p>Working in a spirit of collaboration and respect, and by forming mutually beneficial partnerships, the Discipline of Laboratory Medicine delivers excellence in competency-based education, research and evidence-based clinical diagnostics</p>		
	<p><b>OUR VISION</b></p> <p>To be recognized as leaders in Laboratory Medicine, in preparing learners for careers in Laboratory Medicine, by conducting research and in embracing our responsibilities to advance the health of our communities</p>		
to meet the needs of the people we serve,	<p><b>IMPROVING LIVES</b></p>		
	<p><b>Thriving learners and graduates</b></p>	<p><b>Impactful research and scholarship</b></p>	<p><b>Healthier communities</b></p>
	<ul style="list-style-type: none"> <li>Learners gain the skills to excel in the future as clinicians, researchers and educators</li> <li>Attract, motivate and retain passionate learners who excel during their academic journey</li> <li>Learners obtain fellowships and employment in their field upon completion of their program</li> <li>Strengthen and increase the exposure of undergraduate learners to Lab Medicine</li> <li>Support faculty and staff with continuing education to support life-long learning</li> </ul>	<ul style="list-style-type: none"> <li>Faculty and learners engage in Laboratory Medicine -based research that impacts the scientific field, influences clinical practice, and promotes the health of our population</li> <li>Focus our research activities toward developing a center of excellence for innovative approaches to service delivery, quality improvement, and best practices for our communities</li> <li>Focus research on innovation, quality assurance and best practices</li> <li>Pursue collaborative research with strong Laboratory Medicine components involving faculty, learners, and research partners both within our discipline and with other disciplines and units</li> <li>Make publishing in peer-reviewed journals an expectation for all faculty and learners</li> <li>Faculty and learners participate collaboratively in national and international research initiatives that promote Laboratory Medicine</li> </ul>	<ul style="list-style-type: none"> <li>Graduates are provided with opportunities and support to have satisfying and rewarding careers in this province</li> <li>Faculty, learners, staff and graduates actively pursue opportunities to embrace their social responsibilities and provide positive outcomes for the communities we serve</li> <li>Highlight the importance of Laboratory Medicine to public health</li> <li>Conduct research and outreach activities based on the needs of our community</li> <li>Pursue relationships with patient advocacy groups</li> </ul>
so we can operate with effectiveness and excellence,	<p><b>EXCELLENCE IN ALL WE DO</b></p>		
	<p><b>Education excellence</b></p>	<p><b>Research excellence</b></p>	<p><b>Social accountability</b></p>
	<ul style="list-style-type: none"> <li>Provide high quality, innovative teaching across the educational continuum in part by utilizing educational technology</li> <li>Continue to successfully implement CBD</li> <li>Implement one-on-one learning with preceptors</li> <li>Actively encourage participation in education activities for our learners, faculty, clinicians, and the community</li> <li>Continuously evaluate and improve undergraduate teaching to align with best practice standards and to compliment clinical skills</li> <li>Continuously evaluate and improve all our programming</li> <li>Ensure electives are appropriate, relevant and comprehensive</li> </ul>	<ul style="list-style-type: none"> <li>Organize and participate in special events, such as Resident Research Day, to showcase research activities among our learners</li> <li>Schedule mandatory rotations for our residents to participate in research</li> <li>Provide funding/support to faculty and residents to participate in conferences and present their research and scholarly work</li> <li>Promote participation in research activities for part-time and full time faculty members, learners and staff</li> <li>Designate a faculty member with accountability for assisting residents in developing research skills</li> <li>Provide mentorship on research design, organization and execution; dissemination of findings and resource acquisition, and life-long research planning</li> <li>Leverage our cross-appointed faculty and faculty in New Brunswick towards developing multidisciplinary and multi-site research collaborations</li> </ul>	<ul style="list-style-type: none"> <li>Seek opportunities to engage the public and our communities in evaluating and developing our programs</li> <li>Actively promote high quality, efficient, and value added approaches for evidence informed practice</li> <li>Work collaboratively with other disciplines towards formally delivering social accountability awareness and learning opportunities</li> <li>Use a variety of media to actively and regularly showcase and disseminate information about Laboratory Medicine activities of interest to and impacting stakeholders</li> <li>Engage in ethical research and practice</li> <li>Utilize best-practices in our field</li> </ul>

	<b>OUR EMPOWERED PEOPLE</b>			
	<b>Culture of Excellence</b>	<b>Inspiring Leadership</b>	<b>Exceptional People</b>	<b>Robust Infrastructure</b>
<b>to build a strong and prepared team,</b>	<ul style="list-style-type: none"> <li>Unify our team around our mission, vision and values</li> <li>Promote a culture that values diversity, equality and respect</li> <li>Support advanced learning opportunities for all members of the discipline</li> <li>Recognize and celebrate achievements among our faculty, learners, and staff</li> <li>Embrace the creation of diverse teams</li> </ul>	<ul style="list-style-type: none"> <li>Actively engage faculty, staff and learners to develop good leadership skills for career advancement</li> <li>Encourage and support faculty, learners and staff in formal and informal leadership training activities</li> <li>Develop a robust succession plan for faculty and staff roles</li> <li>Focus on developing leaders internally</li> <li>Promote mentorship relationships and activities among faculty, learners and staff</li> </ul>	<ul style="list-style-type: none"> <li>Identify the appropriate individuals for the right positions by leveraging their strengths and providing professional development as necessary</li> <li>Develop an effective recruitment and retention plan for faculty and key leadership roles</li> <li>Motivate and support faculty, learners and staff to succeed in their leadership and professional goals</li> <li>Recognize faculty, learner and staff achievements</li> <li>Foster an environment that encourages wellness for all and promotes workplace balance</li> </ul>	<ul style="list-style-type: none"> <li>Provide healthy and safe space for workplace and learning activities</li> <li>Stay at the forefront of technological innovations that enhance our work and education activities</li> <li>Promote utilization of technologies to facilitate success in educational and research goals</li> <li>Promote use of technology for discipline activities (operational, educational, research)</li> <li>Support/host events that encourage collaboration among discipline stakeholders</li> <li>Strengthen existing infrastructure</li> </ul>
	<b>OUR ENDURING LEGACY - SUSTAINABILITY</b>			
	<b>Efficient, Effective Resourcing</b>	<b>Continuous Performance Management and Improvement</b>		<b>Dynamic Advocacy</b>
<b>we use our resources wisely,</b>	<ul style="list-style-type: none"> <li>Allocate resources to achieve our strategic priorities and high-value outcomes</li> <li>Ensure faculty, residents and staff have the appropriate resources and time available to achieve success</li> <li>Develop budget plans that ensure fiscal accountability</li> <li>Work collaboratively with our faculty, staff and learners to develop discipline priorities</li> </ul>	<ul style="list-style-type: none"> <li>Develop and implement a system to track, measure and analyze our key performance indicators</li> <li>Adopt a data-driven approach towards identifying and prioritizing opportunities for improvement and action</li> <li>Establish performance benchmarks based on world-class standards</li> <li>Communicate achievements and results with our communities</li> <li>Adopt a continuous improvement approach to on-going activities</li> </ul>		<ul style="list-style-type: none"> <li>Promote continued communication of our mission and vision within our discipline, across the Faculty of Medicine and beyond</li> <li>Advocate for cross-appointments with other disciplines/academic units</li> <li>Encourage involvement of faculty, staff and learners on national and international committees</li> </ul>
<b>Guided by our values,</b>	<b>OUR VALUES</b>			
	Engagement of learners and community			
	Success of our faculty, learners and staff			
	Demonstrated integrity, professionalism and leading by example			
	Critical, creative and innovative thinking			
	Teamwork, mentorship and collaboration			

## MESSAGE FROM THE CHAIR



Our discipline is dedicated to excellence in teaching, research, and clinical service. We presently have 33 full and part-time faculty, 2 cross-appointed faculty, 2 joint faculty, 4 adjunct faculty, and 10 residents. We also have 22 part-time faculty in New Brunswick.

Our Diagnostic and Molecular Pathology Residency Program is fully accredited with the Royal College of Physicians and Surgeons of Canada. Our faculty work closely with our residents and our residents are successful not only in their Royal College examinations, but also in securing employment within our province and elsewhere in Canada. We have been granted provisional accreditation by the Canadian association of Clinical Biochemists Board and will start to accept postdoctoral learners into our new Clinical Biochemistry Training Program in July 2024.

Our discipline encompasses pathology, infectious disease and microbiology, chemistry, biochemistry, hematology, cytogenetics, and molecular genetics. Our faculty are striving for excellence in their individual fields.

Jane Barron, M.D., MSc, FRCPC

### Our Mission

Working in a spirit of collaboration and respect, and by forming mutually beneficial partnerships, the Discipline of Laboratory Medicine delivers excellence in competency-based education, research and evidence-based clinical diagnostics.

### Our Vision

To be recognized as leaders in Laboratory Medicine, in preparing learners for careers in Laboratory Medicine, by conducting research and in embracing our responsibilities to advance the health of our communities.

## FACULTY DEVELOPMENT, LEADERSHIP, AND RECRUITMENT

### IMPROVING LIVES

#### Thriving Learners and Graduates

The Discipline of Laboratory Medicine is committed to supporting faculty and staff with continuing education to support life-long learning. Over the past year faculty member Dr. Stephanie Reid completed her Masters of Health Sciences Education from McMaster University and faculty member Dr. Vinita Thakur passed the NRCC certification exam for clinical chemists and the FRCPath Part 1 examination to receive Diplomateship (Dip R C Path) of Royal College of Pathologists.

Our 2 PGY5 residents were successful in the Diagnostic and Molecular Pathology Royal College examinations. Many of our learners' complete fellowships and all obtain employment upon completion of their program. Two of our 2021 graduates completed fellowships in forensics in Toronto. One of them, Dr. Chris Hough was recruited to work in our Office of the Chief Medical Examiner in 2022 and became a part-time faculty member in our discipline 2022. Our 2022 graduate, Dr. Madeline Fitzpatrick, completed a fellowship in gyne-pathology and was recruited for a position with Eastern Health in 2023 and is now a part-time faculty member in our discipline.

### OUR EMPOWERED PEOPLE

#### Inspiring Leadership

Our discipline encourages and supports faculty, learners and staff in formal and informal leadership training activities. We recently had faculty members, Dr. Jane Barron and Dr. George Zahariadis complete the Advanced Physician Leadership course offered by the Gardiner Centre. Dr. Barron also completed the CMA Joule Physician Leadership institute (PLI) certificate and has applied for the CCPE credential.

We also focus on developing leaders internally. We recently developed a Newfoundland government funded Postdoctoral Clinical Chemistry program which is provisionally accredited by the CACB. Dr. Berna Aslan and Dr. Edward Randell have been appointed Program Director and Assistant Program Director. Many of our faculty have one or more leadership positions. The various positions include:

- Chair
- Vice-Chair
- Program Director
- Competency Committee Lead
- CBD Lead
- UG curriculum lead for pathology
- UG curriculum lead for microbiology
- UG Phase 4 Assessment Lead



UG Student Assessment Sub-Committee Lead  
EPA Working Group Lead  
UG Comprehensive Review Co-Lead  
Progress Examination Group Co-Lead  
OPED CPD Lead for Lab Medicine  
Resident Annual Examination Lead for Pathology  
Wellness Lead  
Immunohistochemical Lab Medicine Director

## RESEARCH

### IMPROVING LIVES

Impactful research and scholarship

Our faculty and learners engage in Laboratory Medicine -based research that impacts the scientific field, influences clinical practice, and promotes the health of our population. For example, one of our faculty members, Dr. Vinita Thakur published a collaborative guidance document titled: AACC Guidance Document on the Use of Point-of-Care Testing in Fertility and Reproduction, which was referenced in USA Today mainstream media article.

Dr. Jane Barron is a co-investigator with Dr. U. Tabori and Dr. C. Hawkins (SickKids), Dr. Etchegary and Dr. Woods (MUN) looking at germline genetic and epigenetic promoter alterations predisposed to tissue specific mismatch repair deficient cancers.

We aim to focus research on innovation, quality assurance and best practices. Dr. Thakur also published a collaborative article titled: Use of a Lean Six Sigma Approach to Investigate Excessive Quality Control (QC) Material Use and Resulting Costs, which is a project on cost saving for the purchase of QC and calibrators in Biochemistry lab. Dr. Jane Barron was invited to join a CAP-ACP Pathology Informatics and Digital Resources, National Specialty Network Committee and is also a member of the Pathology Informatics Quality Control and Assurance Sub Committee.

We encourage our faculty and learners participate collaboratively in national and international research initiatives that promote Laboratory Medicine. One of our residents, Dr. Simrin Sennik, along with faculty member Dr. Sarah Finch contributed to a multi-institutional study titled “Necrosis is associated to progression-free survival, metastasis-free survival, and overall survival in a multi-centric Canadian analysis of 79 vulvo-vaginal melanomas” that was presented at the 2023 USCAP meeting.

Publishing in peer-reviewed journals is an expectation for all faculty and learners. Appendix A outlines research and published articles by our faculty and learners during 2022-2023. Appendix B outlines current grants held by faculty.



## EXCELLENCE IN ALL WE DO

### Research Excellence

We organize and participate in special events, such as Resident Research Day, to showcase research activities among our learners. We held our 2022 Laboratory Medicine Research Day on December 2022 and presented prizes for Best Presentation from PGY1-PGY2 and Best Presentation from PGY3-PGY4.

## OUR EMPOWERED PEOPLE

### Culture of Excellence

We recognize and celebrate achievements among our faculty, learners, and staff. Our Vice-Chair, Dr. Edward Randell, recently received the CSCC Award for Research Excellence for 2023. This award is to recognize contributions made throughout his distinguished career to advance research in clinical biochemistry and laboratory medicine.

## EDUCATION

### EXCELLENCE IN ALL WE DO

#### Education Excellence

We continuously evaluate and improve all our programming. Each year we send out our Resident Annual Survey and Resident Exit survey so that residents can evaluate their residency program. Evaluations are also sent out for all resident teaching rounds and research day. Residents also complete evaluations on faculty.

We seek to provide high quality, innovative teaching across the educational continuum in part by utilizing educational technology. For example, our annual resident exam consists of digital slides. We have successfully implemented Competence by Design (CBD) and have our first CBD graduate set to graduate in 2024.



#### Social Accountability

Resident Dr. Alexandra States and faculty member Dr. Stephanie Reid are working collaboratively with other disciplines towards formally delivering social accountability awareness and learning opportunities. Dr. States and Dr. Reid are working with Dr. Vernon Curran, a faculty member in the Division Community Health and Humanities, on a project titled: Developing a Formal Pathology-Teaching Program for Medical Residents: A Needs Assessment. This project developed and conducted a comprehensive needs assessment survey to validate the need for formal resident pathology training programs.

### OUR EMPOWERED PEOPLE

#### Culture of Excellence

We recognize and celebrate achievements among our faculty, learners, and staff. Our Chair, Dr. Jane Barron received The Canadian Association for Medical Education Certificate of Merit in 2022. This award recognizes senior faculty who have made an exceptional contribution to medical education throughout their academic career. Our discipline has also introduced two new awards for excellence. The Award for Faculty Excellence in Education in Laboratory Medicine recognizes a faculty member who significantly contributes to educating learners in Laboratory Medicine. The Award for Resident Excellence in Diagnostic and Molecular Pathology recognizes a pathology resident who shows a commitment to education, who is collegial, and significantly contributes to the day-to-day workings of the pathology laboratory.

## PRIORITIES FOR 2023 - 2024

Our key priorities for 2023-2024 include:

Priority # 1: Continue to plan curriculum, accept our first learner, and to work toward full accreditation in 2025 for our Clinical Biochemistry Postdoctoral Program.

Priority # 2: With the hiring of new GFT pathologists, we plan to expand the exposure of medical students to the Specialty of Diagnostic and Molecular Pathology by offering more elective rotations to clinical clerks. We are hoping that increased exposure would increase interest in our full accredited residency program in Diagnostic and Molecular Pathology.

Priority # 3: Another priority for our discipline is to hire a urogenital pathologist or to secure a permanent rotation location for our residents to do their urogenital pathology rotations. We currently have an interdepartmental agreement with McGill University for our residents to do a 1-month rotation; however, we want to secure something more permanent and increase the length of the rotation, as it is a core rotation.

Priority # 5: An external accreditation of our Diagnostic and Molecular Pathology residency program, will occur at the end of November 2023. It is our priority to continue to be fully accredited and we will work towards further improving our resident's learning experience.

Priority # 6: To finalize the proposal for a laboratory medicine's sabbatical fund. Currently the proposal is with an accounting firm.



## APPENDIX A - PUBLICATIONS

Angela C. Rutledge, Anna Johnston, Ronald A. Booth, Kika Veljkovic, Dana Bailey, Hilde Vandenberghe, Gayle Waite, Lynn C. Allen, Andrew Don-Wauchope, Pak Cheung Chan, Julia Stemp, Pamela Edmond, Victor Leung, Berna Aslan. Lot verification practices in Ontario clinical chemistry laboratories - Results of a patterns-of-practice survey. *Practical Laboratory Medicine* 32 (2022) e00300. <https://doi.org/10.1016/j.plabm.2022.e00300>

Moore, C., Barron, J., Manuscript: JNC-2022-0022.R1 Title: Investigating the NLRP3 Inflammasome and its Regulator miR-223-3p in Multiple Sclerosis and Experimental Demyelination 2022. Accepted for publication

Tabori, Hawkins, Barron, J., Woods, Etchegary, Gaiti Germline Genetic and Epigenetic Promoter Alterations Predispose to Tissue Specific Mismatch Repair Deficient Cancers. 2022. Research Proposal

Ongoing - Erivwo P, Salama S, Gai L, Mrkonjic M, Armstrong S, Turashvili G. Point-Based Weighted Diagnostic Scale for Histopathologic Assessment of Mammary Cellular Fibroepithelial Lesions. Pending submission

Everard, K., Tate, A., Case Report: A Plasma Cell Neoplasm Imitating a Carcinoid. *CJP*. 2022 Submitted for second review

Boone, Hannah; Gao, Yuan; Fitzpatrick, Madeline; Andrews, Matthew; Rideout, Arthur; Johnston, Paul Primary Non-Cutaneous Melanoma of the Glans Penis: A Case Report Publication in draft

Loyzer MN, Grewal K, Ikpatt OF. Plasma cell myeloma following a prior diagnosis of chronic lymphocytic leukemia/small lymphocytic lymphoma. *Clin Case Rep*. 2022; 10:e6722.

Loyzer MN, Musadak H, Ikpatt OF. Chronic myeloid leukemia, BCR-ABL1-positive, presenting in a previously healthy infant. *Canadian Journal of Pathology* 2022; 14(4): 28-32.

Fitzpatrick M, Pirzada A, Ikpatt OF. Anaplastic large cell lymphoma, ALK+ and B cell lymphoma with small lymphocytic lymphoma phenotype in a patient with prior breast cancer. *Canadian Journal of Pathology* 2022, accepted for publication.

Fitzpatrick M, Pirzada A, Ikpatt OF. Crystal-storing histiocytosis in a patient with nodal marginal zone lymphoma. *Int J Pathol Clin Res* 2022; 8:142.

Everard KR, Pirzada A, Ikpatt OF. Primary follicular lymphoma of the colon presenting as an incidental finding on endoscopy. *F1000Research* 2022. Accepted for publication.

Zern C, Tate A, Pirzada A, Burrage K, Grewal K, Ikpatt OF. Peripheral lymphadenopathy as initial presentation of hairy cell leukemia. Submitted for publication.

Brenna HL, Kirby SD; Barriers of Artificial Intelligence Implementation in the Diagnosis of Obstructive Sleep Apnea; *Journal Otolaryngology - Head & Neck Surgery*, (2022) 51:16

Bohn MK, Wilson S, Schneider R, Massamiri Y, Randell EW, Adeli K. Pediatric reference interval verification for 17 specialized immunoassays and cancer markers on the Abbott Alinity i system in the CALIPER cohort of healthy children and adolescents. *Clin Chem Lab Med*. 2022 Sep 19;61(1):123-132. doi: 10.1515/cclm-2022-0709. PMID: 36117243; PMCID: PMC9691267.

Woodbury-Smith M, Lamoureux S, Begum G, Nassir N, Akter H, O’Rielly DD, Rahman P, Wintle RF, Scherer SW, Uddin M. Mutational Landscape of Autism Spectrum Disorder Brain Tissue. *Genes*. 2022; 13(2):207.

Gill, S. J., Pirzada, A., Power, P., & Neveu, J. (2022). A Constellation of Rare Gynecological Malignancies and Familial Adenomatous Polyposis Gastrointestinal Adenocarcinoma: A Case Report. *International Journal of Gynecological Pathology*.

Nichols JH, Ali M, Anetor JI, Chen LS, Chen Y, Collins S, Das S, Devaraj S, Fu L, Karon BS, Kary H, Nerenz RD, Rai AJ, Shajani-Yi Z, Thakur V, Wang S, Yu HYE, Zamora LE. AACC Guidance Document on the Use of Point-of-Care Testing in Fertility and Reproduction. *J Appl Lab Med*. 2022 Sep 1;7(5):1202-1236. doi: 10.1093/jalm/jfac042. PMID: 36047824.

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## APPENDIX B - GRANTS

Barron, J

Co-investigator, Identifying Mechanisms of Inflammatory – Mediated Demyelinating Injury in Multiple Sclerosis. Investigators: Drs. C. Moore and W. Moore. 2019 – Present

Uncovering the mechanism and impact of novel genetic and epigenetic promoter alterations on tissue-specific mismatch repair deficient cancers

Sept 2022 – present (5 years)

Canadian Institutes of Health Research \$1,147,500

O’Rielly, D.

Centre for Translational Genomics Phase II Source(s): ACOA Regional Economic Growth through Innovation (ACOA-REGI), Department of Industry, Energy and Technology (IET; NL Government), NL Health Services (NLHS): \$1,426,357 (2023-2024)

Facilitate the early identification of individuals with SpondyloArthritis (SpA) project Source(s): ACOA Atlantic Innovation Fund; Innovate NL Leverage R&D: \$3,500,000 (2018-2023)

Support for the re-classification of the F5 gene c.6644G>A variant of unknown significance (VUS) to a pathogenic variant leading to Factor V Deficiency and bleeding symptoms in 3 Newfoundland families Healthcare Foundation Grant: \$20,000 (2020-2023)

Randell, E.

Assay development for measurement of B-vitamins and intermediates in biochemical pathways using biological fluids and tissues from a Murine animal model for stroke.

March 2022-present

Medical Research Fund \$30,000

Reid, S. Biobank NL Mitacs Grant \$96,000