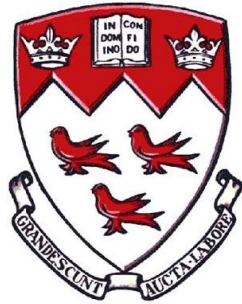


McGill University



Department of Pathology

ANNUAL REPORT – 2018

Dr. Zu-Hua Gao
Professor and Chair

Department of Pathology – Annual Report - 2018

Research and publications:

a. Grants

Table 1. Summary of research grants awarded in Canadian dollars

	Pathologist as PI	Pathologists as Co-PI	Cross appointed Scientist as PI	Total
2018	2,576,325.50	2,581,556.60	5,420,838.90	10,578,721.00

Table 2. List of major research grants with departmental members as principal investigators

Name	Sponsor	Amount awarded as of 2018 (CDN)
Baglolle, C.	RI-MUHC, Merck, FRSQ, CIHR	229,348.73
Burnier, M.	Alcon Canada Inc. – MITACS, Zeiss	513,000.00
Camilleri, S	MGH Foundation, Pathology Research Award	62,659.56
Divangahi, M.	CIHR	676,248.25
Fiset, PO	MGH Foundation	40,000.00
Gregorieff, A	MUHC RI startup funds, CIHR, Cancer Research	305,050.00
Haegert, D.	Sanofi Genzyme	138,616.00
Hussain, S	CIHR	95,546.00
Karamchandani, J	Merck, Takeda	140,000.00
Kassouf, W	Bladder Cancer Canada, CUA	110,000.00
Lavoie, L.	Pathology Research Award	30,000.00
Maedler-Kron, C.	MGH Foundation	70,000.00
Metrakos, P.	NIH, Genome Canada	247,166.00
Park, M	NIH, FRSQ, CRS, CIHR	3,549,530.00
Sabri, S	CRS	60,000.00
Telleria, C	McGill Start-up Funds, CFI, Rivken	136,228.00
Ton Nu, T	MGH Foundation	30,000.00
Spatz, Alan	FRSQ-NSFC, ICRF	1,700,000.00

b. Publications

Table 2. Publications by departmental members:

	Total No. of publications	No. of staff who published	Publications per person	Mean impact factor
Pathologists	112*	29	3.86	9.01
Cross-appointed scientists (8):	64	7	9.12	10.59

- Some papers have several pathologist as co-authors, the actual number of articles published was 97

This year, our efforts in expanding the research capacity by establishing the Experimental Pathology Unit, revitalizing graduate program, incorporating of the MUHC-RI histopathology platform, and cross appointing tissue based researchers start to bear fruits. Not only the number of publications has increased, the impact of publications has reached to the highest level ever due to a number of very high profile publications (Nature 2, NEJM 2, Cell 10, Nat genetics 6, Cancer cell 5 Science Tans 3, PNAS 2, Lancet Onc 1, etc).

[Link to Publications for 2018.](#)

c. Significant conference presentations

Auger, M.

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- Guest speaker for Annual symposium of the Canadian Society of Cytology at the CAP, Quebec City, QC: one-hour lecture on “Counterpoint on primary HPV screening.
- Organizer and director: McGill Cytopathology Review Course, Montreal 2018.
- Co-director; Workshop on “Cytology of Body Fluids”, American Society of Cytopathology, Washington, DC USA.

Baglolo, C.

- Speaker: Health Canada Scientific Advisory Board on Vaping Products Meeting, Toronto ON. 2018
- Speaker: AstraZeneca Scientific Summit in Respiratory Medicine, Gaithersburg, Maryland USA. 2018

Brimo, F.

- Invited speaker: University of Sherbrooke Continuing Medical Education Pathology Day, Sherbrooke, QC. 2018
- Invited speaker: Annual Canadian Senior Resident Urologic Course, Montreal, QC 2018.
- Invited speaker: McGill Cytopathology Review Course, Montreal, QC 2018.

Burnier, M.

- Guest of Honor: Keynote Lecture, Zeiss UV Launch Event 2018, Oberkochen, Germany.
- Guest speaker: SPO 2018, Algarve, Portugal.
- Director and Guest speaker: CAP 2018 Ocular Pathology Course, Quebec City, QC.
- Director and Chair: Burnier International Ocular Pathology Society (BIOPSY) 2018, Algarve, Portugal.
- Guest speaker: IAP 2018, Anman, Jordan.

Case, B.

- Invited speaker/Instructor: International European Mineralogical Union School on Mineral Fibres, Modena, Italy.
- Invited speaker/Instructor: British Occupational Hygiene Society, Harrogate, Yorkshire, United Kingdom.
- Invited speaker: ASTM Johnson Conference. University of Vermont, Burlington.
- Invited speaker: Inhaled particles XII. British Occupational Hygiene Society, Glasgow, UK.
- Invited speaker/Discussant: The Monticello Conference on Elongated Mineral Particles. Charlottesville, VA.

Karamchandani, J.

- Invited speaker, Advanced Diagnostics in Neuropathologic Neuro-oncology, Canadian Association of Pathologists, Quebec City, QC, 2018
- Invited speaker: Wellcome Trust-Indicators in Open Science, London, England. 2018.
- Chan-Zuckerberg Initiative, Ethical and Practical Challenges of Biobanking, San Francisco, CA.
- McGill Sustainability & Systems Initiative, Montreal, QC 2018.

Marcus, V.

- USCAP Honored Mentor 2018.

Park, M.

- Invited Speaker: BIRS (Banff International Research Station), Oaxaca, Mexico.2018
- Invited speaker: Merck, San Francisco, CA USA. 2018
- Invited speaker: RIKEN Symposium, Yokohama, Japan 2018
- Invited speaker: 24th Annual Cancer Institute Symposium, Penn State University College of Medicine, Hershey, PA, USA. 2018
- Invited speaker: San Antonio Breast Cancer Symposium, San Antonio, TX, USA. 2018

Spatz, A.

- Chair: Plenary Session, Worldwide Innovative Network, Paris, France 2018
- Chair & Invited speaker: International Melanoma Pathology Congress, Paris, France 2018.
- Invited speaker: International Melanoma Pathology Congress, Paris, France. 2018.
- Moderator, Open forum and Debate with the audience, Oncology Worldwide Innovative Network, Paris, France. 2018.

Zorychta, E.

- Invited speaker: Discover McGill’s Academic Expectations, Aug. 2018.

Teaching and learning (undergraduate and graduate):

a. Teaching awards

Dr. Pierre-Olivier Fiset received ‘Teacher of the Year’ award 2017-2018.

b. Initiatives and innovations in teaching programs

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- Residency training program passed the McGill internal accreditation; hosted the third residency program retreat; received medical equipment teaching fund from the 2018 competition; 35K for 5 pieces teaching arms at the Glen, 3 tilting/telescopic lifting binoculars for JGH, PC for the Glen .
 - Undergraduate program reviewed and ameliorated the Pathology component of the FMD part of the medical/dental teaching to ensure full compliance with the accreditation standards such as having clear objectives for the lectures and small groups, quality and relevance of exam questions, etc.
 - Proposal for Fourth year Medical Class curriculum of a selective for the “Putting It All Together (PIAT) course titled “Pathology for medical, radiation and surgical oncologists” was accepted.
 - Graduate program expanded to have 15 PhD students, 20 MSc students and 3 post-doctoral fellows. Graduate program web site was updated.
- c. Evidences of teaching success**
- **Awards received by our students and Residents**
 - Sarah-Jeanne Pilon, Resident of the Year, 2017-18.
 - Mélina Janelle, Best Clinical Research Presentation- Finlayson Day presentations 2018.
 - Pylyp Zolotarov, Best Resident Teacher, 2017-18.
 - Jeffrey Downey, Best Poster, Finlayson Day presentations 2018.
 - Constanza Ramirez, Best Experimental Research Presentation-Finlayson Day presentations 2018.
 - **Student publications**

Graduate students published 25 articles and delivered 40 presentations at research conferences. Residents published 1 article and had 10 meeting presentations.
 - **Result of Royal College Licensing Examination**

Ismaël Bah, Zari Dastani and Duc-Vinh Thai successfully passed the exam in May 2018.
 - **Pathology electives**

In 2018, there were 60 residents from other programs and 19 medical students who did electives in the Department of Pathology

Involvement in the community:

Ajise, O

- Evaluator for the Office of admissions committee, McGill University School of Medicine.
- Quality assurance/Improvement Project: Frozen section diagnostic correlation/Interpretation committee

Arseneau, J

- Member, Tumor board co-ordinating committee, representing Pathology
- Pathologist, SHAPE trial-early stage cervical cancer
- Pathologist, PAP gene study-early detection of endometrial and ovarian cancer.
- Director of Gynecological Pathology

Auger, M.

- Member, Editorial board Journal American Society of Cytopathology
- Member, Editorial Advisory Board of Cancer Cytopathology
- Director of Cytopathology Lab, MUHC.
- Program director for the new AFC-cytopathology program
- Ad hoc reviewer for Diagnostic Cytopathology, Acta Cytologica journal
- Member of MUHC Department of Pathology Optilab Executive Committee
- Member of MUHC Department of Pathology Optilab Advisory Committee
- Member of American Society of Cytopathology Foundation Board

Baglole, C

- Director of Histopathology Platform, McGill University Health Center
- Director McGill Research Centre for Cannabis

Bakdounes, K

- Director of Pathology at St. Mary’s Hospital and Lakeshore Hospital

Bernard, C.

- Member of the Residency Program Committee

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- Member of CARMS Selection Committee
- Mentor for 1 Pathology Resident

Blumenkrantz, M

- Director of QA committee, MUHC Department of Pathology
- Medical director of Cytogenetics Laboratory

Brimo, F.

- Member, Editorial Board for World Journal of Pathology.
- Ad hoc reviews (various cytopathology & urology journals).
- Director Genito-Urinary pathology resident rotation.

Caglar, D.

- Member of the MUHC Head & Neck Cancer committee
- Member of MUHC Thyroid Cancer committee

Camilleri-Broët, S.

- French translator for the Canadian Journal of Pathology.
- Director of Surgical Pathology, MUHC
- Member of advisory and executive committee, Optilab, MUHC
- Member of GI and Lung team
- Member of quality and risk management team

Fraser, R.

- Director, Maude Abbott Medical Museum of McGill University.
- Member, James McGill Society Council.
- Member, Osler Library Board of Directors
- Member, Pathology Curriculum Committee

Gao, Z.

- Chair, McGill Department of Pathology
- Glen site Director, Department of Pathology, McGill University Health Center
- Chair, Department of Pathology academic committee
- Director, GI/Liver Pathology Fellowship program
- Advisor, Jewish General Hospital and St Mary's Health Center
- Member, Canadian Association of Pathology Chairs
- Member, American Association of Pathology Chairs

Guiot, M.C.

- Site director, Neuropathology, MNH
- Member, Executive committee, Optilab MUHC
- Member, QRM, Optilab, MUHC

Haegert, D.

- Director, Molecular Pathology within Core Molecular Biology Lab.

Haliotis, T

- Ethics Officer, Executive Committee, HMAQ.
- Member, Lady Davis Institute for medical research, JGH

Issa-Chergui, B

- Director of Autopsy service, Department of Pathology-McGill University Health Center.
- Representative of FMSQ for Pathology Optilab Committee
- McGill RUIS representative, comité ministériel d'anatomo-pathologie.
- President, Quebec association of pathologists
- APQ representative, comité ministériel d'anatomo-pathologie, Quebec

Kanber, Y

- Member of E-journal committee, American Society of Cytopathology.
- Member AFC Cytopathology program committee.

Karamchandani J

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- Deputy-director, MUHC-Optilab Division of Pathology
- Director, Immunohistochemistry, Her2 FISH Testing, Special stains
- Co-director, Pathology Residency Training program
- Director, C-BIG Repository

Lavoie, J.

- Member, MUHC Pathology Quality Assurance committee
- Associate director of Cytogenetics, MUHC Glen site
- Director of the McGill CCMG fellowship program.

Marcus, V.

- Director of GI-Liver Pathology Subspecialty Service MUHC
- Assistant program director for GI/Liver Fellowship program.
- Chair of MUHC Optilab GI Project Team.

Michel, R.P.

- Director of Pathology component of Undergraduate medical and dental curriculum.
- Faculty of Medicine, Member FMD committee
- Faculty of Medicine, Member of basic science committee, FMD.
- Member of the Committee for Student Promotions Curricular Outcomes (CSPCO).
- Member of Dept. of Pathology Academic committee.
- Member, Faculty of Medicine Faculty Council
- Director, Transplantation Pathology, MUHC
- Director, Hematopathology, MUHC.

Nguyen, VH

- Co-director Residency Program.
- Member of Advisory Committee of Biomedical Laboratory Technology Program, Dawson College.

Park, M

- Member, American Association for Cancer Research International
- Member, FRQS – Oncopole – Champion des axes 1
- Member, Cole Foundation Board Committee
- Member/Leader/College Chair, Canadian Institutes for Health Research
- Member, American Association for Cancer Research
- Member, Women in Cancer Research Council (WICR)
- Member, CIHR Peer Review Committee
- Board Chair, Goodman Cancer Research Centre Board Committee
- Elected Chair, Tumor Microenvironment Network, American Association for Cancer Research
- Member, Scientific Advisory Board Research, Institute of Princess Margaret Cancer Centre
- Member Advisory Committee on Research (ACOR), Canadian Cancer Society
- Director, Rosalind and Morris Goodman Cancer Research Centre, McGill University

Spatz, A.

- Member of the University Tenure Committee.
- Scientific committee member, Melanoma Research Alliance, Washington, DC
- Co-chair, Canadian Cancer Trials Group – Melanoma committee
- Chief Division of Pathology-MUHC Optilab Grappe
- Chair, MUHC Optilab Research committee

Zorychta, E.

- Chair, Graduate Studies Committee.
- Chair, Leo Yaffe and Principal's Prize Awards Committee, Faculty of Science
- Elected member, McGill University Senate and McGill University Board of Governors
- Director of Graduate & Postdoctoral Studies, Department of Pathology.
- Member, Nomination, Governance and Ethics Committee, Board of Governors
- University Vice-Marshall for all Convocation ceremonies

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- Member, Education Strategic Planning Committee, Faculty of Medicine
- Member, Teaching Committee, Dept. of Pharmacology & Therapeutics.

Milestones:

▪ **Major events**

- January: The Department of Pathology, McGill held its 6th Retreat at Hotel Intercontinental on January 20, 2018.
- March: The department presented 2 abstracts at the 107th USCAP Annual meeting, Vancouver, Canada.
- May: The 15th edition of the McGill Cytopathology Review Course
- Apr. 29-May 3, 2018 .The Henry C. Witelson Ocular Pathology Laboratory presented 14 abstracts at the ARVO's annual meeting in Honolulu, Hawaii.
- June: The department held its annual Finlayson Research Day with Dr. Thomas Krausz, Professor and Vice Chair of Pathology, University of Chicago, Chicago, Illinois as the keynote speaker.
- July: The department welcomed four new residents, Drs. Kevin Côté, Nadine Demko, Allyson Dill and Jose Javier Torres.
- August: The fourth Academic Renewal Fund Research Competition, five projects were funded.
- November: Resident training program retreat
- Pathology Scientific Lecture Series featured two invited speakers from across Canada, four invited speakers from across USA, one Resident and three of our Associate members.

▪ **Recruitments**

- July: Dr. Margaret Redpath joined the Pathology team at the JGH.
- June: Dr. Chelsea Maedler-Kron joined the Pathology team at the Glen.
- Feb: Dr. Jean Luc Laporte was appointed adjunct Professor.

▪ **Retirements and departures**

- Dec. Dr. Moy Fong Chen retired.

Honours, awards, and prizes:

Burnier, M

- Medalo Jose Antonio de Abreu Fialho, SBO 2018 Medal of honor, Rio de Janeiro, Brazil
- The 30th Bajandas Award, University of Texas, San Antonio

Brimo, F.

- Appointed director of Clinical Research in the Pathology Department MUHC.
- Appointed head of the Research promotion section of Pathology Residency Training Committee-MUHC Residency.

Camilleri-Broët, S.

- Appointed Director of Surgical Pathology MUHC.
- Appointed as a member of Optilab advisory and executive committees.

Fiset, P.O.

- Leader for Optilab Lung Group

Guiot, MC.

- Member of the Optilab MUHC Pathology executive committee.

Haegert, D.

- Director of Molecular Pathology Laboratory MUHC.

Karamchandani, J

- Named Killam Scholar.

Lavoie, J

- Member Optilab/MUHC Core Molecular Cytogenetics medical board.

Park, M.

- James McGill Professorship Award
- Diane and Sal Guerrero Chair in Cancer Genetics.
- Fellow of the Royal Society of Canada.
- Fellow of the Canadian Academy of Health Sciences

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- Canadian Cancer Society, Robert L. Noble Prize
- Chair of the AACR Tumor Microenvironment Network

Wang, H.

- Received one of the five awards given out during the 3rd Departmental Research Competition.

Zorychta, E.

- Reappointed on the McGill Senate
- Appointed for a three-year term to the executive committee of the McGill Board of Governors.

Consulting activities:

- Pathologists at MUHC provide consultation services on complex cases from the province and across the country
- The Molecular Pathology Center at the Jewish General Hospital is one of the designated testing center for the province of Quebec and one of the top referral test centers in Canada
- The cytopathology and IHC laboratory at MUHC is one of the designated laboratories for the province of Quebec
- The Neuropath laboratory is a referral center for the province of Quebec.
- Dr. Bruce Case provides consultation to various NGOs regulatory agencies, American and Canadian law firms, and private citizens with interest in asbestos-related diseases.
- Dr. Burnier's ocular pathology laboratory is an international referral center on complex ocular pathology cases.