1 The Memorial University of Newfoundland Code ................................................................. 302
2 Background .......................................................................................................................... 302
3 Mission and Objectives of the Faculty of Medicine ............................................................... 303
4 Affiliated Teaching Sites ........................................................................................................ 303
5 Description of Medical Training Program ............................................................................ 303
6 Continuing Medical Education .............................................................................................. 303
7 Postgraduate Medical Training Programs ............................................................................ 304
   7.1 Family Emergency Medicine ......................................................................................... 304
   7.2 Residency Training Programs ....................................................................................... 304
   7.3 Clinical Fellowships ....................................................................................................... 304
   7.4 Registration ..................................................................................................................... 304
   7.5 Licensure in Newfoundland and Labrador ..................................................................... 304
8 Graduate Studies ..................................................................................................................... 304
9 Regulations for the Degree of Doctor of Medicine ............................................................... 304
   9.1 Admission to the Faculty of Medicine .......................................................................... 304
   9.2 Licensure in Newfoundland and Labrador and Other Approvals ................................ 305
   9.3 Evaluation ....................................................................................................................... 305
   9.4 Promotion ....................................................................................................................... 306
   9.5 Curricular Requirements (M.D.) .................................................................................. 306
10 Course Descriptions ............................................................................................................... 307
    10.1 Courses in the First and Second Year of Medical Studies ........................................ 307
    10.2 Courses in the Third and Fourth Year of Medical Studies ......................................... 307
    10.3 Courses Offered by the Faculty of Medicine for Non-Medical Students .................... 307
N.B. Designation "Clinical" indicates a part-time appointment.

**Dean of Medicine**
Rourke, J.T.B., M.D. Western, CCFP(EM), MCIsc(FM), FCFP

**Vice Dean**
Peters, S., M.D. Memorial, MPH Milwaukee, FRCPC

**Associate Dean for BioMedical Sciences**
Mearow, K.M., B.Sc., M.Sc. Brock, Ph.D. McMaster

**Associate Dean for Clinical Research**
Parfrey, P., M.B., B.Ch., M.D. Cork, M.R.C.P., FRCPC

**Associate Dean for Community Health and Humanities**
Mulay, S., B.Sc. Delhi, India, M.Sc., Ph.D. McGill

**Associate Dean for Research and Graduate Studies (Medicine)**

**Associate Dean for Undergraduate Medical Education**
Farrell, G., M.D. Memorial

**Assistant Dean for Admissions**
Parsons, W., M.D. Memorial, C.C.F.P.

**Assistant Dean for Continuing Medical Studies**
Bursey, R.F., B.Sc. M.D. Memorial, FRCPC

**Assistant Dean for Post-Graduate Medical Education**

**Assistant Dean for Student Affairs**
Harris, J.A., B.Sc., M.D., B.P.E. Memorial

**Director of Administrative Services**
Peddigrew, G., B.Comm. Memorial

**Manager, Academic Affairs**
Corbett, P., B.Voc.Ed. Memorial

**Manager, Human Resources**
Wooley, E., B.Comm.(Co-op) Memorial

**Division of BioMedical Sciences**

**Associate Dean**
Mearow, K.M., B.Sc., M.Sc. Brock, Ph.D. McMaster

**Professores Emeriti**
Allderdice, P., M.A. Chicago, M.S. Utah, Ph.D. Montana Bieger, D., M.D., Ph.D. Kiel

**Honorary Research Professor**
Scott, T.M., B.Sc. St. Andrews, Ph.D. Edinburgh; Winner of the President's Award for Distinguished Teaching, 1995-1996

**Professor of Neuroscience and Anatomy**
McLean, J., B.Sc. New Brunswick, Ph.D. Dalhousie

**Assistant Professor of Neurosciences**
Yuan, Q., Ph.D. Memorial

**Professor of Anotomy**

**Associate Professor of Anatomy**
Chandra, S., M.B., B.S. New Delhi

**Professor of Neuro/Molecular Biology**
Mearow, K.M., B.Sc., M.Sc. Brock, Ph.D. McMaster

**Professor of Molecular Virology and Medicine (Hepatology)**
Michalak, T.I., M.D., Ph.D. Warsaw

**Assistant Professor of Molecular Signalling in Human Health & Disease**
Dorward, A.M., B.SC., Ph.D. McMaster; Canada Research Tier II; Cross appointment to Genetics

**Professor of Immunology**
Grant, M., B.Sc., M.Sc. British Columbia, Ph.D. McMaster; Joint appointment with Laboratory Medicine

**Associate Professors of Immunology**
Drover, S., M.Sc., Ph.D. Memorial Hirasawa, K., Bc.D., Ph.D. Tokyo

**Assistant Professors of Immunology**
Larijani, M., B.Sc.(Hons.), Ph.D. Toronto; Cross appointment to Discipline of Oncology Russell, R., M.Sc. Memorial, Ph.D. McGill

**Professor of Endocrinology**
Carayanniotis, G., B.Sc. Patras, Ph.D. Toronto; Joint appointment with Medicine

**Professors of Oncology**

**Professor of Cancer/Cardiovascular Biology**
Gendron, R., B.Sc., Ph.D. McGill; Cross appointment with Oncology

**Associate Professor of Vascular Molecular Biology/Pediatric Cancers**
Paradis, H., B.Sc., Ph.D. Montreal

**Associate Professor of Cardiovascular Cellular and Molecular Physiology**
Stuyvers, B.D., B.Sc., M.Sc., Ph.D. Bordeaux, France

**Associate Professor of Cell Biology**
Doré, J., B.Sc. UBC, M.S. Florida, Ph.D. Tennessee

**Professor of Pharmacology (Cardiovascular)**
Tabrizchi, R., B.Sc.(Hons.) Sunderland, M.Sc., Ph.D. British Columbia

**Professor of Physiology (Neurosciences)**
Corbett, D., B.A. Dalhousie, M.Sc. Memorial, Ph.D. Concordia; Cross appointment with Psychology

**Professors of Physiology**

**Assistant Professor of Cardiovascular Sciences**
McGuire, J.J., B.Sc.(Hons.), Ph.D. Queen's University of Kingston

**Associate Professor of Reproductive and Cell Biology/Physiology**
MacPhee, D., B.Sc.(Hons.) Prince Edward Island, Ph.D. Western Ontario; Cross appointment with Biochemistry

**Associate Professor of Neurosciences**
Hirasawa, M., Bc.D., Ph.D. Tokyo

**Assistant Professor of Neurosciences**

**Professors of Cardiovascular/Renal Physiology**

**Associate Professor (Biological Psychiatry)**
Chen, X., M.B. China, Ph.D. Cambridge; Joint appointment with Psychiatry

**Associate Professor (Oncology Research)**
Richardson, V.J., B.Sc., Ph.D. Sheffield

**Joint Appointment with Medicine**
Vasdev, S.C., B.Sc., M.Sc., Ph.D., D.V.M. Punjab

**Cross Appointments from Biochemistry**
Brosnan, J.T., B.Sc.(Hons.), M.Sc. National University of Ireland, D.Phil. Oxford; University Research Professor, Awarded 1990; CIHR Senior Investigator
Cross Appointment from Genetics
Young, T., Ph.D. Memorial; Winner of the President's Award for Outstanding Research, 2009

Cross Appointment from Medicine
Kovacs, C., M.D., B.A. Queen's, FRCPC

Cross Appointments from Pharmacy
Liu, H., B.Sc., M.S. Beijing, Ph.D. Alberta
Weber, J., M.S. Pharm., Ph.D. Medical College of Virginia

Adjunct Professors
Mandal, S.K., M.Sc. Banaras Hindu University, Ph.D. Calcutta University
Mansour, A., B.V.Sc., M.V.Sc., Ph.D. Cairo University, Egypt
Ploughman, M., M.Sc., Ph.D. Memorial

Visiting Scientist
Kagota, Satomi, Japan

Clinical Sciences

Anesthesia
Associate Professor and Acting Chair
Jamieson, J.W., B.Sc., M.D. Memorial, FRCPC

Professor
King, F.G., B.Sc., B.Med.Sc., M.D. Memorial, FRCPC

Professor Emeritus

Associate Professors of Anesthesia
Jamieson, J.W., B.Sc., M.D. Memorial, FRCPC
LeDez, K.M., M.B., Ch.B. Dundee, FRCPC
Pridham, J.N., M.D. Western Ontario, FRCPC

Assistant Professors of Anesthesia
Bautista, M.J., B.Med.Sc., M.D. Memorial, FRCPC
Harris, J., B.Sc., M.D. Memorial, FRCPC
Howells, S., B.Sc., M.D. Dalhousie, FRCPC
O'Regan, R., M.B., M.D. Dalhousie, FRCPC
Zbitnew, G., B.Sc., M.D. University of Alberta, FRCPC

Clinical Associate Professor of Anesthesia

Clinical Assistant Professors of Anesthesia
Barrett, A., M.D. Memorial, FRCPC
Casey, A., B.Med.Sc., M.D. Memorial, FRCPC
Clarke, B.A, B.Sc., B.Med.Sc., M.D. Memorial, FRCPC
Cowan, G., B.Sc., M.D. Memorial, FRCPC
Daly, M., B.Sc., B.Med.Sc., M.D. Memorial, FRCPC
Flynn, J.F., B.Sc., M.D. Memorial, FRCPC
Forward, R.G., B.Med.Sc., M.D. Memorial, FRCPC
Gammal, A., B.Sc., M.D. University of Alberta, FRCPC
Lacey, D., B.Sc., B.Med.Sc., M.D. Memorial, FRCPC
Major, A.E., M.D. Memorial, FRCPC
Noel, F.D., B.Sc., M.D. Memorial, FRCPC
O'Leary, S., M.D. Memorial, FRCPC
Redmond, E.B, B.Sc., M.D. Memorial, FRCPC
Ridi, A., M.D. Dalhousie, FRCPC
Suppipat, N., M.B.B.S. India, F.F.A.R.C.S. Ireland
Sweeney, T., B.Sc., M.D. Memorial, FRCPC
Tucker, J.H., M.D. Western Ontario, FRCPC
Williams, J.T.L., B.Sc., M.D. Dalhousie, FRCPC

Clinical Lecturer of Anesthesia

Family Medicine

Associate Professor and Chair
Miller, R., M.D. Western Ontario, C.C.F.P., F.C.F.P.

Professors of Family Medicine
Bethune, C., M.D. McMaster, C.C.F.P., F.C.F.P., M.CI.Sc. Western

Ontario; Cross appointment to Counselling Center
Rourke, J.T.B., M.D. Western, CCFP(EM), MC(Sc)(FM), FCFP

Associate Professors of Family Medicine
Butler, R., B.Sc., M.D. Memorial, C.C.F.P., F.C.F.P.
Eaton, W.H., M.D. Memorial, C.C.F.P.
Farrell, G., M.D. Memorial
MacDonald, S.M., B.Sc.N., M.D. McMaster, C.C.F.P.; Joint appointment with Medicine
O'Maonaigh, C., M.B., B.Ch., B.A.O., M.P.H. Ireland, C.C.F.P., M/ CGP
Parsons, W., M.D. Memorial, C.C.F.P.
Ravalla, M., L.R.C.P.(Ed.) Zimbabwe, C.C.F.P.

Assistant Professors of Family Medicine
Aubrey, K., B.A.(Hons.), M.Sc. Western Ontario, M.D. Ottawa
Broderick, V., M.D. Memorial, C.C.F.P.
Brown, G., B.Sc., M.D. Memorial, C.C.F.P.-E.M.
Duggan, N., M.D. Memorial, C.C.F.P.
Flynn, H., M.D. Memorial, C.C.F.P.
Graham, W., M.D. Memorial, C.C.F.P.
Morgan, D., M.D. Memorial, C.C.F.P.-E.M.
Sherman, G.P., B.A. Cleveland, M.D. McGill, C.C.F.P.
Snow, P., M.D., B.N. Memorial, C.C.F.P.
Stringer, K., M.B.Ch.B. South Africa, C.C.F.P.

Clinical Associate Professors of Family Medicine
Costello, T., M.D. Memorial, C.C.F.P., F.C.F.P.
Hall, J., M.Sc., M.D. Memorial, C.C.F.P.
Hatcher, L., M.D. Memorial, C.C.F.P.
St. Croix, E., M.D. Memorial, F.C.F.P.

Clinical Assistant Professors of Family Medicine
Aziz, M., M.B.Ch.B. Baghdad
Battock, N., B.Sc., M.D. Memorial, C.C.F.P.
Bautista, E., B.Sc. Memorial, M.D. Dalhousie, C.C.F.P.
Bennett, E., B.Sc., B.Ed., M.D. Memorial, C.C.F.P.
Bowen, J., M.D. Ottawa
Burton, C., B.Sc., M.D. Memorial, C.C.F.P.
Campbell, S., B.Sc. Memorial, M.Sc. Dalhousie, M.D. Memorial
Canty, A., M.Sc., M.D. Dalhousie, C.C.F.P., F.C.F.P.
Carlos, M.A., B.Sc., M.D. Dalhousie
Collings, J., B.Sc., M.D. Dalhousie, Ph.D., L.M.C.C.
Combden, S., B.Sc., M.D. Memorial, C.C.F.P.(E.M.)
Davies, C., M.B., M.B. BAD Dublin, C.C.F.P., F.C.F.P.
Doulton, B., B.Sc. Queen's, M.D. Calgary, C.C.F.P.
Dufour, K., B.Sc., M.D. Dalhousie, C.C.F.P., Virginia
Elliott, J., B.N., M.D., C.C.F.P. Memorial
Fellows, J., B.Sc., M.D. Dalhousie
Fisher, R., M.Sc., M.D. Dalhousie, C.C.F.P.
Forsey, R., B.Sc., B.Med.Sc., M.D. Memorial, C.C.F.P.
Goodridge, M., M.D. Memorial, C.C.F.P.
Griffin, G., B.Sc., M.D. Ottawa, F.R.C.P.
Hall-Losier, S., B.Sc., M.D. Dalhousie
Hewitt, D., B.Sc. McMaster, M.D. Ontario, C.C.F.P.
Hicks, F., B.Sc., M.D. Memorial, C.C.F.P.
Hollway, G., M.D. Dalhousie, C.C.F.P., F.C.F.P.
Howell, O., M.Sc McGill, B.Med.Sc., M.D. Memorial, C.C.B.O.M.
Hudson, C., M.D. Memorial, C.C.F.P.
Humes, R.T., B.Sc., M.D. Memorial, C.C.F.P.(E.M.)
Jansen, A., M.B.Ch.B. South Africa, C.C.F.P.
Karavanov, Y., M.D. Sofia Medical University Bulgaria, C.C.F.P.
Lee, W., B.Sc., M.D. Dalhousie
Locke, A., M.D. Memorial, C.C.F.P.(E.M.)
MacCallum, M., B.B.A., M.D. Dalhousie, C.C.F.P.
MacDonald, G., M.D. Dalhousie, C.C.F.P.
Mangat, B., M.B.B.S., M.S.(E.N.T.) India

Banaras Hindu University
Eaton, W.H., M.D. Memorial, C.C.F.P.
Karaivanov, Y., M.D. Sofia Medical University Bulgaria, C.C.F.P.
Moulton, W., M.D. Memorial
Murphy, K., B.Sc., M.D. Memorial, C.C.F.P.(E.M.)
O’Brien, C., M.D. Memorial, C.C.F.P.
O’Keeffe, D., M.D. Memorial
O’Shea, P.P.M., B.Sc. St. Francis Xavier, M.D. Queen’s, C.C.F.P., F.C.F.P.
Parsons, M., B.Sc., M.D. Memorial, C.C.F.P.
Paul, A., M.D. Memorial
Perley, M., M.D. Dalhousie, C.C.F.P.
Pollock, C., B.Sc., M.D. Memorial, C.C.F.P.(E.M.)
Postuma, P., B.Sc., M.D. McMaster, C.C.F.P.(E.M.), F.C.F.P.
Powell, L., B.Sc., M.Sc., M.D. Memorial
Pugh, E., M.D. Dalhousie
Ralph, S., B.Sc., M.D. Memorial
Renouf, T., M.D. Memorial, C.C.F.P.-E.M.
Rogers, P., B.Sc., M.D. Memorial, C.C.F.P.(E.M.)
Ross, P., B.Sc. U.N.B., M.D. Memorial, C.C.F.P.
Silver, K., B.Sc., M.D. Dalhousie, C.C.F.P., F.F.C.P.
Simon, L.M., M.D. Dalhousie
Sinnott Drover, A., B.Sc. Memorial, B.Sc.O.T. Edinburgh, M.B.Ch.B. Bristol
Sparrow, C., M.D. Memorial, C.C.F.P., F.C.F.P.
Spencer, P., B.Sc., M.D. Dalhousie, C.C.F.P.
Squires, T., B.Med.Sc., M.D. Memorial, C.C.F.P.
Sullivan, S., B.Sc.(Hons.) M.D. Memorial
Sutherland, L., B.Sc., M.D. Dalhousie, C.C.F.P.
Taor, R., M.R.C.P., L.R.C.S. England, F.R.C.S.
Teller, C., M.D. Memorial
Tobin, C., B.Sc. Dalhousie, M.D. Memorial, C.C.F.P.
Tulk, C., M.D. Memorial
Walter, A., B.Sc., B.M.B.S. Australia, C.C.F.P.
White, J., B.Med.Sc., M.D. Memorial, C.C.F.P.
Wilson, S., M.D. Memorial
Young, M., B.Sc., B.M.Sc., M.D. Memorial, C.C.F.P.
Young, T., B.Sc.N., M.D. Memorial, C.C.F.P.

Clinical Lecturers of Family Medicine
Bannister, E., M.D. Memorial
Barter, R., M.D. Dublin, R.C.S., L.R.C.P.S.I.
Blagrove, D., M.D. Dalhousie
Brien, D., B.Sc. M.D. Dalhousie, C.C.F.P.
Button, L., M.D. Dalhousie, C.C.F.P., F.C.F.P.
Callahan, P., M.D. Memorial, C.C.F.P.
Comeau, L., B.Sc., B.Ed., M.D. Dalhousie, C.C.F.P.
Craig, B., B.Sc., M.D. Dalhousie
Crocker, P., M.D. Memorial, C.C.F.P.
Cutler, M., M.D. Memorial, C.C.F.P.
Darcy, S., M.D. Memorial, C.C.F.P.
Fitzgerald, C., B.A., M.D. McMaster, C.C.F.P.
Francis, S.L., B.A.Sc., M.D. McMaster, C.C.F.P.
Goodfellow, M., B.Sc. St. Dunstan’s, M.D. Dalhousie, C.C.F.P.
Grandy, B., M.D. Memorial, C.C.F.P.
Horwood, K., M.D. Memorial, C.C.F.P.
Irfan, M., M.B.B.S. Sri Lanka, C.C.F.P.
Jardine, F., M.D. Memorial, C.C.F.P.
King, J.F., B.Sc., B.Med.Sc., M.D. Memorial, C.C.F.P.
Laurie, A., M.R.C.S., L.R.C.P., D.C.H. United Kingdom, C.C.F.P.
Lemire, F., M.D., M.C. McGill, C.C.F.P.
MacLeod, S., B.Sc., M.D. Memorial, C.C.F.P.
McCormiskey, A., M.D. Ireland
Morgan, T., M.D. Medical College of Wisconsin
O’Keeffe, M., B.Sc., M.D. Toronto, C.C.F.P.
Oldford, J., B.A., M.S.W. Toronto
Pearce, B., M.D. Memorial
Penney, C., M.B. BS London
Power, L., M.D. Memorial, C.C.F.P.
Rasleigh, D., M.D. Queen’s
Stevenson, R., M.D. Memorial
Verge, J., M.D. Memorial, C.C.F.P.
Woolfrey, J., M.D. Memorial, C.C.F.P.
Zigante, N., M.D. Memorial, C.C.F.P.

Cross Appointed from Counselling Centre
Cornish, P., B.Sc., M.A., Ph.D. Saskatchewan
Doyle, M., B.Sc.(Hons.) Memorial, Med.Ed.D. Toronto
Hurlsey, G., B.A., Colorado College, M.Sc., Ph.D. Missouri

Cross Appointed from School of Pharmacy
Bishop, L., Pharm.D. Colorado
Law, R., Pharm.D. Buffalo

Cross Appointed from Discipline of Psychiatry
Oldford, J., M.S.W., R.S.W. Toronto

Honorary Research Professor

Professional Associate
Cahill, D., Nurse Practitioner; Cross appointed by School of Pharmacy

Genetics
Professor and Chair
Youngusband, H.B., B.Sc., M.Sc. Carleton, Ph.D. ANU
Professor Emeritus
Ives, E.J., M.B., Ch.B. Glasgow, DCH London, MS Michigan, FRCP

Professors of Genetics
Green, J., M.Sc. British Columbia, Ph.D. Memorial
Green, R., B.Sc., Ph.D. Birmingham

Associate Professors of Genetics
Fernandez, B., M.D. Memorial, FRCP, FCMG- Toronto
Sun, G., M.D. CMU China, Ph.D. Hirotsuki U Japan
Young, T., B.Sc.(Hons.), Ph.D. Memorial; Winner of the President’s Award for Outstanding Research, 2009

Assistant Professors of Genetics
Savas, S., B.Sc., M.Sc., Ph.D. Bogazici, Turkey
Turner, L., M.D., FRCP, Memorial, FCMG British Columbia
Woods, M., B.Sc., Ph.D. Memorial

Adjunct Professors of Genetics
Bassett, A., B.Sc., M.D. British Columbia, FRCP

Cross Appointed from Laboratory Medicine
Han, F-Y., M.D. Henan, FCMG McGill
Randell, E.W., Ph.D. Memorial, FCCP, FCACP Toronto
Xie, Y.G., M.D. Henan, Dr.Med. Zurich, FCMG Queen’s

Cross Appointed from Biomedical Sciences
Doward, A.M., B.Sc., Ph.D. McMaster

Cross Appointed from Medicine
Rahman, P., M.D. Memorial, M.Sc. Toronto, FRCP; Winner of the President’s Award for Outstanding Research, 2003-2004

Medicine
Professor and Chair
Gulliver, W.P., B.Sc., B.Med.Sc., M.D. Memorial, FRCP

Professors Emeriti
Bowmer, M.I., B.Sc., M.D. McGill, FRCP

Professors of Medicine
Carayanniotis, G., B.Sc. Patras, Ph.D. Toronto; Joint appointment with BioMedical Sciences
Peters, S., M.D. Memorial, MPH Milwaukee, FRCP

Professor of Medicine (Biochemistry)
Vasdev, S.C., B.Sc., M.Sc., Ph.D., D.V.M. Punjab; Cross appointment to BioMedical Sciences

Professor of Medicine (Cardiology)

Professor of Medicine (Endocrinology)
Kovacs, C.S., M.D., B.A. Queen’s, FRCP; Cross appointment to Obstetrics & Gynecology; Winner of the President’s Award for Outstanding Research, 2002-2003

Professor of Medicine (Geriatrics)

Professor of Medicine (Gastroenterology)

Professor of Medicine (Gastroenterology)

Professor of Medicine (Geriatrics)
Fergy, E.G., M.D. University of Hong Kong, FRCP

Professor of Medicine (Nephrology)
Barrett, B.J., M.B., B.Ch., B.A.O. Cork, M.Sc., FRCP
Assistant Professors of Medicine (Neurology)
Eustace, M.L., B.Sc., M.D. Memorial, FRCP
Stefanelli, M., B.Sc., M.D. British Columbia, FRCP

Assistant Professors of Medicine (Nephrology)
Curtsis, B.M., B.Sc. McGill, B.Med.Sc., M.D. Memorial, FRCP
Pike, A.P., B.Sc. McGill, M.D. Memorial, FRCP
Shik, J., B.Sc., M.D. Toronto, FRCP

Assistant Professors of Medicine (Respiratory)
Anwar, M.A.Q., M.B., B.S. Rawalpindi Medical College, ABIM, ABPM
Azher, T., M.B., B.S. Allama Iqbal Medical College, MRCPI, CSCST, FCCP

Clinical Professor of Medicine (Part-time)
Bowmer, M.I., B.Sc., M.D., C.M. McGill, FRCP

Clinical Professors of Medicine
Handa, S.P., B.S., B.S. Punjab, FRCP, DABIM, FACP, DABN
Khanna, V., M.B., B.S. Grant Medical College, FRCP
Young, R.W., M.D., C.M. Dalhousie, FRCP

Clinical Associate Professor of Medicine (Dermatology)
Gulliver, W.P., B.Sc, B.Med.Sc., M.D. Memorial, FRCP

Clinical Associate Professor of Medicine (Neurology)
Adams, G.B., B.Sc. Dalhousie, FRCP

Clinical Assistant Professor of Medicine
Corbett, B.N., B.Sc., B.Med.Sc., M.D. Manitoba, FRCP
Joshi, P.J., B.Sc., M.D. Manchester, ABIM, FRCP

Clinical Assistant Professor of Medicine (Dermatology)
MacCallum, G.C., M.D. Dalhousie, FRCP
Stone, E., B.Sc., M.D. Memorial, FRCP

Clinical Assistant Professor of Medicine (Geriatrics)
Jarrett, P.G., B.Med.Sc., M.D. Dalhousie, FRCP

Clinical Associate Professor of Medicine (Gastroenterology)
Cockeram, A.W., B.Sc., M.D. Memorial, FRCP

Clinical Associate Professor of Medicine (Neurology)
Grant, E., B.Sc., M.D. Dalhousie, FRCP
Khraishi, M., M.B., B.Ch. Cairo, M.D. Memorial, FRCP

Clinical Assistant Professors of Medicine
Al-Karain, M.Y., M.B., B.S. Jordan, ABIM, FRCP
Aldaqah, M.A., M.D. Jordan, FRCP, FCCP

Anees, I., M.B., B.S. Fatima Jinnah, ABIM, ABN
Asi, H.I., M.D. Lebanese University, Lebanon
Atalla, N.G., M.B., B.Ch. Cairo
Azher, T., M.B., B.S. Allama Iqbal Medical College, MRCPI, CSCST, FCCP
Baer, C., B.Sc.(Hons.) McGill, M.D. Ottawa, FRCP, ABIM
Bailey, P.A.B., B.Sc., M.D. Saskatchewan, FRCP, DABPN
Barr, C.A., B.Sc. Western Ontario, M.D. Memorial, FRCP
Bodhoo, M.S., M.B., B.S. Karachi
Borgaonkar, R.D., M.B., B.S. India, FRCP
Costain, G.A., B.Sc. New Brunswick, M.D. Dalhousie, FRCP
Desai, D.K., M.B., Ch.B. Univeristy of Natal, FCP (SA)
Docherty, P.S., B.Sc., M.D. Western Ontario, ABIM, FRCP

Dow, G.C.K., B.Sc. New Brunswick, M.D. Dalhousie, M.Sc. Manitoba, FRCP

El-Zubeidi, W., B.Sc.(Hons.) Laurentian, M.Sc., M.D. Montserrat
Fong, P.M., B.Sc., M.D. Dalhousie, FRCP
Furlong, M.B., B.Sc. Dalhousie, M.D. Memorial, FRCP
Graham, J.D., M.D. Toronto, FRCP
Hannaford, M., B.Sc., M.D. Memorial, FRCP
Hayes, R., M.D. Dalhousie, FRCP
Hiscock, J.G., B.Sc., B.Med.Sc., M.D. Memorial, FRCP
Jones, D.M., B.Sc.(Hons.), M.Sc. (Neuroscience), M.D. Memorial, FRCP
Kemp, K.M., B.Sc. New Brunswick, M.D. Western Ontario, ABIM, FRCP
Landells, I.D.R., B.Med.Sc., M.D. Memorial, FRCP
Lightfoot, P.D., B.A., M.D. Dalhousie, FRCP
Lush, R.B., M.D. Memorial, FRCP
MacLean, G.L., M.D. Dalhousie
MacSweeney, M.C., B.Sc.(Hons.), M.D. Dalhousie, FRCP
McAvinque, T.G., M.B., Ch.B. Glasgow, M.D. Memorial, FRCP
Markandy, A., M.D. New York, ABIM
Mukherji, A., M.Sc. New Brunswick, M.D. Dalhousie, FRCP
O’Brien, M.G., B.Sc. Ireland, M.B., B.A.O., B.Ch. Cork, FRCP
Raju, M.R., B.Sc. Dalhousie, M.B., B.S. Mysore, FRCP
Reddy, S.B., M.D. Memorial, FRCP
Rubin, S.H., M.D. Dalhousie, FRCP
Sekhar, H.B.C., B.Sc., M.B., B.S., M.D. India, M.R.C.P. United Kingdom, FRCP
Shaikh, A., M.D. Mumbai, India, ABIM
Tavenor, B., B.Med.Sc., M.D., Memorial, FRCP
Toal, S.C., M.B., B.S. Nagpur, India, D.N.B. Mumbai, India
Tong, A., M.B., B.S. Hong Kong, FRCP
Trahey, J., B.Med.Sc., M.D. Memorial, FRCP
Trudeau, M., B.Sc. Dijon, France, FRCP
Vasiliu, I.M.D., M.D. Bucharest, ABIM
Clinical Assistant Professors of Medicine (Cardiology)
Bessoudo, R., M.D. Mexico, FRCP, FACC, FACP
Douglas, J.G., B.Sc. King’s College, M.D. Dalhousie, FRCP
Fagan, S., B.Sc., B.Med.Sc., M.D. Memorial, FRCP
Furey, M.U., M.D. Memorial, FRCP
Lutchmedial, S.R., B.A. Queens, M.D., C.M. McGill, FRCP
Paddock, V., B.Sc., B.Med.Sc., M.D. Memorial, FRCP
Pearce, N., M.Sc., M.D. Dalhousie, CCFP, FRCP, FABD
Teskey, R., B.Sc., Carlton, M.D. Ottawa, FRCP
Clinical Assistant Professor of Medicine (Critical Care)
Engfield, E., B.Sc.(Hons.), M.D. British Columbia, FRCP
West, P.H.F., B.Sc., M.D. Dalhousie, FRCP
Clinical Assistant Professors (Dermatology)
Brown-Maher, T., B.Sc., M.D. Memorial, FRCP, ABD
Hayes, R., B.Sc. New Brunswick, M.D. Dalhousie, FRCP
Keeling, D.N., B.Sc. New Brunswick, M.D. Dalhousie, CCFP, FRCP, FABD
Landells, I.D.R., B.Med.Sc., M.D. Memorial, FRCP
Ohson, K.M., B.B., B.Sc. Bombay, M.D. Dalhousie, FRCP
Tomi, Z., M.B., B.Ch. Alfata, M.R.C.P.(UK), FRCP
Teskey, R., B.Sc., Carlson, M.D. Ottawa, FRCP
Clinical Assistant Professor of Medicine (Endocrinology)
Dornan, J.M., B.Med.Sc., M.D. Memorial, FRCP
Clinical Assistant Professors of Medicine (Gastroenterology)
Beaudin, D.J., B.A. Loyola College, M.D., C.M. McGill, FRCP
Emanouel, P.L., B.Sc., M.D. Dalhousie, FRCP
Schweiger, F., B.Sc.(Hons.) Windsor, M.D. Toronto, FRCP, ABIM, FACC, FACP
Clinical Assistant Professors of Medicine (Geriatrics)
MacDonald, E., B.Sc., M.D. Dalhousie, FRCP
MacNeil, D., B.Sc.(Hons.) Dalhousie, M.Sc., Ph.D., M.D. Alberta, FRCP
Clinical Assistant Professor of Medicine (Infectious Diseases)
Thompson, B., B.A. Toronto, B.Sc.(Hons.), M.D. Western Ontario, FRCP
Clinical Assistant Professors of Medicine (Nephrology)
Gogan, N., B.Sc., B.Med.Sc., M.D. Memorial, FRCP
MacKinnon, M., B.Sc.(Hons.), M.Sc., M.D. Dalhousie, FRCP
Pippy, C., B.Sc. McGill, M.D. Dalhousie, FRCP
Sohi, P.S., B.Sc., B.A.Sc. Ottawa, M.A.Sc. Waterloo, M.D., C.M. McGill, FRCP
Clinical Assistant Professors of Medicine (Neurology)
Hoppe, B.J., M.D., Ph.D. Warsaw
Mumtaz, S., M.B., B.S. Dow Medical College, A.B.P.N.
Scott, J.L., B.Sc., M.D. Memorial, FRCP
Clinical Assistant Professor of Medicine (Physical Medicine & Rehabilitation)
Forgeron, P., B.Sc.(Hons.) Dalhousie, M.Sc. Queen’s, M.D. Memorial, FRCP
Reid, P.H., B.Sc. Memorial, M.D. Dalhousie, MRCPC
Clinical Assistant Professors of Medicine (Respirology)
Bishop, G.W., B.Sc. Prince Edward Island, M.D. Waterloo, FRCP
Josh, P.C., M.B., B.S. Grants Medical College, M.Sc. Jefferson Medical College, FRCP, ABIM
Clinical Assistant Professors of Medicine (Rheumatology)
Sadowska, E.D., M.D. Białystok, FRCP
Seetles, G.R., B.Sc. New Brunswick, M.D. Dalhousie, FRCP
Setty, Y.N., M.B., B.S. Mysore, ABIM, ABR
ProfeSSional Associates
Dicks, E.L., R.N., B.N., ACNP, M.Sc., Ph.D.
MacDonald, D., M.Sc., Ph.D.
Clinical Lecturers of Medicine
Barry, C.A., B.Sc. Western Ontario, M.D. Memorial, FRCP
Bodhun, M.S., M.B., B.S. Karachi
Fong, P.M., B.Sc., M.D. Dalhousie, FRCP
Furey, M.U., M.D. Memorial, FRCP
Seetles, G.R., B.Sc. New Brunswick, M.D. Dalhousie, FRCP
Obstetrics & Gynecology
Associate Professor and Chair
O’Grady, T.F., M.D. Memorial, FRCP
Professor Emeritus
Professor of Obstetrics & Gynecology
Cranne, J.M., M.D. Memorial, FRSCC; Winner of the President’s Award for Outstanding Research, 2004-2005
Associate Professors of Obstetrics & Gynecology
Gill, A., M.B., B.S. India, FRSCC, FACOG
Popadiuk, C., M.D. Toronto, FRSC
Assistant Professors of Obstetrics & Gynecology
Bajaz, K., M.D. Memorial, FRSCC, FACOG
Dawson, L., M.D. Memorial, FRSCC
Delaney, T., M.D. Memorial, FRSCC
Healey, S., M.D. Memorial, FRSCC
Kum, F., M.D. Ireland, FRSCC, DABOG
Power, P., M.D. Memorial, FRSCC
Strand, T., M.D. Alberta, FRSC
Cross Appointed from Medicine
Kovacs, C.S., M.D. Queen’s, FRCP; Winner of the President’s Award for Outstanding Research, 2002-2003
Clinical Associate Professors of Obstetrics and Gynecology
Bartellas, E., M.D. Israel, FRSC
Clinical Associate Professors of Obstetrics and Gynecology
Berardin, J., M.D. Montreal, FRSCC
Brown, K., M.D. Memorial, FRSCC
Colford, D., M.D. Dalhousie, FRSCC
Cook, C., M.D. Memorial, FRSCC
Desrosiers, K., M.D. Sherbrooke, FRSCC
Gillespie, K., M.D. Dalhousie, FRSCC
Healey, C., M.D. London, FRSCC
Kennedy, R., M.D. Memorial, FRSCC
Kogan, D., M.D. Autonomous, FRSCC
Krautz, H., B.A., B.S., M.A. Penn., M.D. Memorial, FRSCC
LeBlanc, C., M.D. Montreal, FRSCC
Lord, H., M.D. West Indies, FRSCC
Murphy-Kaulbeck, L., M.D. McMaster, FRSCC
Ogawa, M., M.D. Obafemi Awolowo, FRSCC
Parsons, S., M.D. Memorial, FRSCC
Patterson, L., M.D. Dalhousie, FRCP
Pike, C., M.D. Memorial, FRSCC
Reardon, E., M.D. Dalhousie, FRSCC
Sanderson, F., M.D. McMaster, FRSCC
Laboratory Medicine

Chair and Professor of Laboratory Medicine (Forensic Medicine)
Avis, S., B.Med.Sc., M.D. Memorial, FRCP

Associate Professor of Medicine & Laboratory Medicine (Hematology)

Associate Professor of Laboratory Medicine (Pathology)
Morris-Larkin, C., M.D. Memorial, FRCP

Professor of Laboratory Medicine (Immunology)
Grant, M., B.Sc., M.Sc. British Columbia, Ph.D. McMaster

Professor of Laboratory Medicine (Medical Microbiology)
Hutchinson, J.M., B.Sc., M.D. Alberta, FRCP

Associate Professor Laboratory Medicine (Biochemistry)
Randell, E.W., Ph.D. Memorial, DCC, FACGAB Toronto

Associate Professor of Laboratory Medicine (Molecular Genetics)
Xie, Y.G., M.D. Henan, FCMCM Queen's, Dr.Med. Zurich

Associate Professor of Laboratory Medicine (Cytophysiology)
Han, F.Y., M.D. Henan, FCMCM McGill

Assistant Professors of Laboratory Medicine
Makretsov, N., M.D. Far Eastern State Medical, Khabarovsk, Russian Federation, Ph.D. N.N. Blokhin Cancer Research Centre of Academy of Medical Sciences, Moscow, Russian Federation, FRCP

Clinical Assistant Professor of Laboratory Medicine
Pushpanathan, C., M.B., B.S. India, FRCP

Assistant Professor of Laboratory Medicine (Neuropathology)
Barron, J., M.Sc., M.D. Memorial, FRCP

Clinical Assistant Professor of Laboratory Medicine
Afrozian, M., M.D. Tehran, Iran ECFMG

Clinical Associate Professor of Laboratory Medicine
Aljerian, K., MBBS King Saud, M.Sc, FRCP Toronto, Fellowship of Forensic Pathology, Fellowship of Neuropathology McMaster

Cook, D.M., B.Med.Sc., M.D. Memorial, FRCP

Denic, N., M.D., Ph.D. Belgrade, FRCP

Gallagher, B., M.Med.Sc, M.D. Dublin, FRCP, FCAP

Wadden, P., M.D., B.Med.Sc., B.Sc. Memorial, FRCP

Clinical Lecturer of Laboratory Medicine (Biochemical Pathology)
Varghese, A., B.Sc., M.Sc. India

Adjunct Professor

Oncology

Professor and Chair
Saltman, D.L., M.D. Memorial, Ph.D. Edinburgh, FRCP(C)

Associate Professor of Oncology
Laing, K., M.D. Memorial, FRCP(C)

Clinical Associate Professor of Oncology (Radiation Oncology)

Clinical Assistant Professors of Oncology (Radiation Oncology)
Greenland, J., M.D. Memorial, FRCP(C)

Kamran, A., M.B., B.S., FRCSI, FRFCSI, FRCP(C)

Normal, A., M.D. Manitoba, FRCP(C)

Stuckless, T., M.D., Memorial, FRCP(C)

Tomkins, B., M.D., Memorial, FRCP(C)

Clinical Assistant Professors Oncology (Medical Oncology)
Ahmad, C., M.B., B.S., FRCP(C)

McCarthy, J., M.D. Memorial, FRCP(C)

Roke, S., M.D., Memorial, FRCP(C)

Siddiqui, J., M.B., B.S., FRCP(C)

Zulfiqar, M., M.B., B.S., FRCP(C)

Clinical Assistant Professor Oncology (Pharmaceutical Sciences)
Edwards, S., B.Sc.(Pharm.) Memorial, Pharm.D. University of Washington

Cross Appointed from Genetics
Savas, S., B.Sc., M.Sc., Ph.D. Bogazici, Turkey

Cross Appointed from Biomedical Sciences
Gendron, R., B.Sc., Ph.D. McGill

Larijan i, M., Ph.D. Toronto

Pediatrics

Associate Professor & Chair
Vardy, C., M.D. Memorial, FRCP

Professor of Pediatrics
Cooper, A.R., B.Sc. Memorial, M.D. Dalhousie, FRCP

Professor of Pediatrics (Neonatology)
Andrews, W., B.Sc. Memorial, M.D. Dalhousie, FRCP

Associate Professors of Pediatrics
Betley, R., J., M.D. Memorial, FRCP

Bridger, T., M.D. Memorial, FRCP

Buckley, D., M.B., Ch.B. Sheffield, F.R.A.C.P. Australia


Morris, R.F., M.D. Memorial, FRCP

Newhook, L.A., M.D. Memorial

Porter, R., M.D. Memorial

Shah, S., M.B., Ch.B. Makerere, M.Med. (Pediatrics), FRCP

Professor (Psychology)
Adams, R.J., B.A. Concordia, Ph.D. McMaster

Associate Professor (Psychology)
Courage, M.L., B.A. Memorial, M.Sc. Alberta, Ph.D. Memorial

Clinical Professor of Pediatrics
Davis, A.J., M.D. Dalhousie, FRCP

Clinical Associate Professors of Pediatrics
Cheriyan, M., M.B.B.S. Napur, MRCP (UK), FRCP

Kamra, P., M.B., B.S. Punjab, FRCP

Muram, B., M.B., B.S. India, FRCP

Professor of Pediatrics (Neonatology)
Hamed, A., M.B., B.Ch Cairo, M.Sc.(Immunology) Memorial, FRCP

Clinical Assistant Professors of Pediatrics
Aladetoyinbo, A. MBBS Nigeria

Alam, M., M.B.B.S. Pakistan

Alexander, W.J., M.D. Memorial, FRCP

Bowes, L., M.D. Memorial

Bula, L., M.D.

Chrappa, J., M.D. Bratislava, FRCP

Feener, T., M.D. Memorial

Guntamukkala, P., M.B.B.S. India, FRCP

Hand, J., M.D. Memorial, FRCP

Henderson, K., M.D. Dalhousie

Javed, F., M.D. Pakistan

Kelly, M., M.B., B.Ch., BAD Dublin, FRCP

Kemp, I., M.B., Ch.B. South, FRCP

Kwa, P.G., M.D. Taiwan, FRCP

Lambert, T.B., M.D. Memorial, FRCP

Luscombe, S., M.D. Memorial

Marshall, I., M.D. Memorial

Meek, D.C., M.B., B.Ch., Cardiff (Wales), FRCP

Murphy, A., M.D., FRCP, FFAP

Natsheh, S.E., B.M.Sc., B.Sc. Memorial, FRCP

Ojay, C.R. West Indies

Paras, E., Istanboul (Turkey), FRCP

Reid, D., B.Sc. Dalhousie, M.D. Memorial, FRCP
Clinical Assistant Professor of Medicine
Landells, I.D.R., B.Med.Sc., M.D. Memorial, FRCP

Clinical Lecturers of Pediatrics
Bessell, C., R.N., B.Ed.(Voc.) Memorial
Rolfe, J., B.N. Memorial, M.Sc. New York
White, S., B.N. Memorial

Cross Appointed from Laboratory Medicine
Han, F.Y., M.D. China
Xie, Y.G, M.D. Hanan, Dr.Med. Zurich

Cross Appointed from Surgery
Price, D.I., B.Med.Sc., M.D. Memorial, FRCPSC

Adjunct Professors
Acott, P., B.Sc. New Brunswick, M.D., Dalhousie
Crocker, J., B.Sc. King's College, M.D. Dalhousie, FRCP

Psychiatry
Professor and Chair
Callanan, T.S., B.Sc., M.D. Memorial, Dip.Psych. McGill, FRCP; Cross appointed to Counselling Centre

Professor
Muhammad, A., M.B.B.S. Dow, MRCPsych, FRCP, Ph.D. Anglia University; BCPsych, DPM, DCP, MCPS

Associate Professors of Psychiatry
Adley, T., M.D. Memorial, FRCP
Craig, D.F., B.Sc. McGill, M.D. Alberta, FRCP
LeDrew, K., M.D. Memorial, FRCP

Associate Professors of Child and Adolescent Psychiatry
St. John, K., B.Sc. Mount Allison, B.Med.Sc., M.D. Memorial, FRCP
White, H.P., B.Sc., M.D. Memorial, FRCP

Associate Professor of Forensic Psychiatry
Hadha, N.B., M.B. Dublin, FRCPC, DABPN

Associate Professor of Psychiatry (Clinical Epidemiology)
Mugford, G., B.Sc., Ph.D. Memorial

Associate Professor (Cross Appointment from Pharmacy)
Phillips, L., B.Sc.(Pharm.) Memorial, Pharm.D. British Columbia

Associate Professor (Cross Appointed from Family Medicine)
Tarrant, G.M., M.D. Memorial, CCFP, FCFP, CGPP

Associate Professor (Joint Appointment with Biological Psychiatry)
Chen, X., M.B. China, Ph.D. Cambridge

Assistant Professors of Psychiatry
Hearn, T., B.A., M.Sc., M.D. Memorial, FRCP
Luscombe, K., M.D. Memorial, FRCP
Lynch, S., B.Sc., M.D., Memorial, FRCP
Noble, S., M.D. Queen's, FRCP
Penney, A., M.D. Memorial, FRCP
Radu, G., M.D. Carol Davila University, M.B.A. University of Liverpool, FRCP

Assistant Professor of Child and Adolescent Psychiatry
Bonnell, W., B.Sc., M.D. Memorial, FRCP

Assistant Professors (Cross Appointments from Psychology)
Francis, S., B.A., M.A., Ph.D. University of Hawaii
Mezo, P., B.Sc., Ph.D. University of Hawaii

Adjunct Professor of Psychiatry
Karagianis, J.L., B.Med.Sc., M.D. Memorial, FRCP

Clinical Associate Professors of Psychiatry
Angel, J., M.D. Memorial, FRCP
Hasnain, M., M.B., B.S. Rawalpindi Medical College, DABPN
Hogan, M.W., B.A. St. Mary's, M.D. Dalhousie, FRCP
Morehouse, R., M.D. Dalhousie, FRCP
Noseworthy, G., M.D. Memorial, FRCP

Clinical Associate Professors of Child and Adolescent Psychiatry
Hassik, B., M.D. University of Vermont College of Medicine, DABPN
Maddigan, B., B.Sc., B.Med.Sc., M.D. Memorial, FRCP

Clinical Assistant Professors of Psychiatry
Bruce, A.W., M.D. Memorial, FRCP
Broaders, M., M.D. Memorial, FRCP
Caravan, C., M.D. Memorial, FRCP
Collins, D., B.Med.Sc., M.D. Memorial, FRCP
Dolezalek, J., M.D. Comenius University, FRCP
Hogan, K., M.D. Memorial, FRCP
Kennedy, N., M.D. Memorial, FRCP
Maclauglin, D., M.D., B.Med.Sc. Memorial, FRCP
Martins, I., B.Med.Sc., M.D. Memorial, FRCP
Mekawiy, M., M.B., Ch.B. Alexandria University, Egypt, DABPN
Mirolno, H., M.D. Catholic University of Cordoba
Patel, S., M.B Ch. BA, University College Dublin, FRCP
Porter, A., M.D. Memorial, FRCP
Pratt, D., B.Sc., M.D. Memorial, FRCP
Rayell, M., M.D. La Salle University, Philippines, DABPN
Sayed, R., B.M.B.S. Dow Medical College, DABPN, FRCP
Vokey, K., M.D. Memorial, FRCP
Walsh, C., M.D. Memorial, FRCP
Weiner, M., M.D. Poland, FRCP
Young, N., M.B. Memorial, FRCP

Clinical Assistant Professors of Psychiatry (New Brunswick)
Aicher, J., B.E.Hons.) Waterloo, M.D. McMaster, MPH, MRCP University of California at Berkeley
John, O.E., B.Sc., M.B.B.S. Trivandrum Medical College, India, FRCP
Joshi, V.S., M.B.B.S. Bombay University, India
Laurencc, D.G., M.D. University of Belgrade School of Medicine, DABPN
Onuora, A., M.B.B.S. University of Ibadan, Nigeria, MRCPsych
Potter, L., B.Sc., M.D. Memorial, FRCP
Rowe, H.S., M.D. University of Glasgow, FRCP
Shamsuddin, S., MBBS Bangalore Medical College
Smith, W.S., M.D. Dalhousie, FRCP
Sullivan, G., B.Sc., M.D. University of Kentucky, FRCP
Thompson, S., B.Sc., M.D. Dalhousie, FRCP
Tran, S., M.D. Dalhousie, FRCP
Yuzda, E., B.Sc., M.Sc., M.D. Calgary, FRCP

Clinical Assistant Professors of Child and Adolescent Psychiatry
McWilliam-Burton, T., M.D. Memorial, FRCP
Rajan, R., M.B.B.S. Mangalore
Reid, C., M.D. Memorial, FRCP
Snelgrove, C., M.D. Memorial, FRCP

Clinical Assistant Professor (Clinical Psychology)
Khalili, H., B.S. Tehran, M.S., M.B.A. Kansas, Ph.D. Iowa

Clinical Lecturers (Clinical Psychology)
Hiller, C., B.A. Manitoba, M.Sc. Acadia
Rogers, G., M.Sc. Memorial
Simpsontion, M., B.Sc.(Hons.), M.Sc. Memorial
Woodrow, J., B.Sc.(Hons.), M.Sc. Memorial

Clinical Lecturer (Social Work)
Oxford, J., B.A. Memorial, M.Sc. Toronto

Radiology
Professor and Chair
Cramer, B.C., M.B., B.Ch., M.R.C.P. (UK), F.R.C.R. (UK), FRCP

Professor
Kendall, E., B.Sc., M.Sc. Dalhousie, Ph.D. Guelph

Clinical Associate Professors of Radiology
Bartlett, P.J., M.D. Memorial, FRCP
Bhatia, R.S., M.D. McMaster, FRCP
Collingwood, P.W., M.D. Memorial, FRCP
Jean, P.M., M.D. Memorial, FRCP
Wadden, N.A.T., B.Sc., M.D. Memorial, FRCP

Clinical Associate Professors of Radiology (Nuclear Medicine)
Hollett, P., B.Med.Sc., M.D. Memorial, FRCP, A.B.N.M.
Wesolowski, C., M.D. Poland, FRCP
Clinical Assistant Professor of Radiology (Combined Diagnostic Radiology and Nuclear Medicine)
Jefford, C., M.D., Memorial, FRCP, A.B.N.M.

Clinical Assistant Professors of Radiology
Bailey, G.A., M.D. Memorial, FRCP
Battcock, S.G., M.D. Memorial, FRCP
Colbert, D., M.D. Memorial, FRCP
Cook, R., M.D. Memorial, FRCP
Hache, N., M.D. Memorial, FRCP
Haggoed, C., M.D. Memorial, FRCP
Harley, R.J., M.D. Memorial, FRCP
Harris, S.R., M.D. Memorial, FRCP
Heale, R., M.D. Memorial, FRCP
Higgins, G.C., B.Sc. Memorial, M.D. Dalhousie, FRCP
Hopkins, J.G., M.D. Memorial, FRCP
Jackman, S., M.D. Memorial, FRCP
Lambard, J., M.D. Memorial, FRCP
Major, A.C., M.D. Memorial, FRCP
Martin, B., M.B., B.Ch., B.A.O. N.U.I., FRCP
Mercer, E., M.D. Memorial, FRCP
O'Keefe, J.B., M.D. Memorial, FRCP
Peckham, D., B.Med.Sc., M.D. Memorial, ABR
Pike, E.J., M.D. Memorial, FRCP
Rendell, M.J., M.D. Memorial, FRCP
Sala, E., B.Sc., M.D. Memorial, FRCP

Surgery
Associate Professor and Chair
Boone, D.C., M.D. Memorial, FRCS

Professors of Surgery
Kwan, A., B.Sc., M.D., Dalhousie, FRCS
Pollett, W.G., B.Sc., M.D. Dalhousie, FRCS

Associate Professors of Surgery
Boone, D.C., M.D. Memorial, FRCS
Pace, D., B.Sc. Acadia, M.B.A. Dalhousie, M.D. Memorial, FRCS
Stone, N.C., B.Med.Sc., M.D. Memorial, FRCS

Assistant Professors of Surgery
Furey, A., B.Sc., M.D. Memorial, FRCS
Gardiner, P., B.Sc., M.D. Dalhousie, FRCS
Hogan, M.P., B.Sc., M.D. Memorial, M.Med.Ed. Dundee, FRCS
O’Dea, F., B.Sc. Mt. Allison, M.D. Memorial, FRCS
Wells, M.K., B.Sc.(Chem), B.Med.Sc., M.D. Memorial, FRCS

Clinical Professors of Surgery
Maroun, F.B., M.D. Lebanon, FRCS
Mitton, A., B.Sc. U.N.B., M.D. Dalhousie, FRCS

Clinical Professors (Part Time)
Heughan, C., B.A.(Honors.), M.B., B.Chir. Cambridge, FRCS
Payton, B.W., M.B., B.S.; Ph.D. London

Clinical Associate Professors of Surgery
Felix, W.A., M.D. Dalhousie, FRCS
Fitzgerald, G., M.D. Toronto, FRCS
Guy, J.R.F., M.D. Dalhousie, FRCS

Clinical Associate Professor of Surgery (Ophthalmology)
Conway, V., B.Sc. Memorial, M.D. Dalhousie, FRCS

Clinical Associate Professors of Surgery (Otolaryngology)
Burrage, K., B.Sc., M.D. Memorial, FRCS
Edgecombe, J.M., M.D. Dalhousie, FRCS
Smith, T.J., M.D. Dalhousie, FRCS

Clinical Associate Professor of Surgery (Pediatrics)
Price, D., B.Med.Sc., M.D. Memorial, FRCS

Clinical Associate Professor of Surgery (Plastics)
Jewer, D.B., B.Sc.(Honors.), B.Med.Sc., M.D. Memorial, FRCS

Clinical Associate Professor of Surgery (Urology)
Best, L., M.D. Autonoma de Guadalajara, FRCS

Clinical Associate Professors of Surgery (Orthopedics)
Nofwall, F., B.Med.Sc., M.D. Memorial, FRCS
Rockwood, P., B.Med.Sc., M.D. Memorial, FRCS
Squire, D.S., B.Sc., M.D. Memorial, FRCS

Clinical Associate Professor of Surgery (Neurosurgery)
Murray, G.P., B.Sc., M.Sc., B.Med.Sc., M.D. Memorial, FRCS

Clinical Assistant Professors of Surgery (Orthopedics)
Deane, R.H., M.B., Ch.B. Capetown, FRCS Glasgow, FRCS South Africa, FRCS
Gozna, E.R., B.Sc. New Brunswick, M.Eng. Tech College NS, M.D. Dalhousie, FRCS
Hogan, T.G., B.Sc., M.D. Memorial, FRCS
Jackman, H., B.Sc. Mount Allison, M.D. Memorial, FRCS
Lewis, B.D., B.Sc., M.D. Memorial, FRCS
Martin, R., B.Sc., B.Med.Sc., M.D. Memorial, FRCS
Russell, R., B.Med.Sc., M.D. Memorial, FRCS
Sahajpal, V., B.Sc., UPEI, M.D. UWO, FRCS
Tumilty, J., B.Sc., M.D. Dalhousie, FRCS

Clinical Assistant Professors of Surgery
Akhtar, J., MBBS Khyber Medical College, FRCS (Ireland)
Bamhill, J., B.Sc., M.D., UWO, FRCS
Blackwood, P.J., B.Med.Sc., M.D. Memorial, FRCS
Bowne, G.N., B.Med.Sc., M.D. Memorial, FRCS
Cox, C.R., B.MSc., M.D. Memorial, FRCS
Farrell, R., B.Sc., M.D. Memorial, FRCS
Fowler, R., B.Med. Sc., M.D. Memorial, FRCS
Heneghan, P.D., B.Sc., M.D. Memorial, FRCS
Johnston, B., B.Sc. Dalhousie, FRCS
Mackenzie, D.S, B.Med.Sc., M.D. Alberta, FRCS
Mann, C., B.Sc. Mount Allison, M.D. Dalhousie, FRCS
Melvin, K., B.Sc. Memorial, M.D. Dalhousie, FRCS
Mowatt, J.A., B.Sc. Kings College, M.D. Dalhousie, FRCS
O'Brien, J., B.Sc., B.Med.Sc., M.D. Memorial, FRCS
Rogers, J., M.D. Karl Franzens, FRCS
Scarth, H., B.Sc. Dalhousie, M.Sc. UWO, M.D. Toronto, FRCS
Stiles, G., B.A. U.N.B., M.D. Dalhousie, FRCS
Thanavanathan, J.M.M., M.B., B.S. Sri Lanka, FRCS

Clinical Assistant Professors of Surgery (Neurosurgery)
Avery, R., B.M.Sc., M.D. Memorial, FRCS
Engelbrecht, H.A., M.D. University of the Free State, FCS(SA)

Clinical Assistant Professors of Surgery (Plastics)
Cluett, J., M.D. Memorial, FRCS
Rideout, A., B.Sc. Kings, B.Sc.(Hons) Dalhousie, M.D. Memorial, FRCS

Clinical Assistant Professors of Surgery (Ophthalmology)
Bautista, D.V., B.Sc.(Chemistry), B.Med.Sc., M.D. Memorial, FRCS
Bense, M., M.B., Ch.B. Pretoria, FRCS
Dunphy, D., B.Eng., B.Med.Sc., M.D. Memorial, FRCS
Jackman, C.S., B.Sc.(Honors), M.D. Memorial, FRCS
McNicholas, J., B.Sc., M.D., FRCS
Murphy, B., B.M.Sc., M.D. Memorial, FRCS
Whelan, J.H., B.S., B.Med.Sc., M.D. Memorial, FRCS
Williams, K.B., B.Sc., M.D. Memorial, D.O. New England College of Optometry, FRCS

Clinical Assistant Professors of Surgery (Otolaryngology)
Lee, B.S., B.Sc., M.D. Dalhousie, FRCS
Tjen, E.T., M.D. Taiwan, FRCS

Clinical Assistant Professors of Surgery (Urology)
Drover, D.N., B.A., B.Med.Sc., M.D. Memorial, FRCS
Duffy, G., B.Sc., M.D. Memorial, FRCS
French, C., B.Sc., M.D. Memorial, FRCS
Hewitt, R., B.Med.Sc., M.D. Memorial, FRCS

Clinical Assistant Professor of Surgery (Veterinary)
Husa, L., MVDr. Kosice

Clinical Lecturers of Surgery
Farrell, R., B.Sc., M.D. Memorial, FRCS
Mackenzie, D.S., B.Med.Sc., M.D. Alberta, FRCS

Clinical Lecturer of Surgery (Ophthalmology)
McNicholas, J., B.Sc., M.D., FRCS

Cross Appointed from the Discipline of Genetics
Green, J., M.Sc. British Columbia, Ph.D. Memorial
Division of Community Health and Humanities
Associate Dean and Professor of Community Health
Mulay, S., Ph.D., M.Sc. McGill, B.Sc. Delhi, India

Professores Emeriti
Fodor, J.G., M.D., Ph.D. Prague, FRCP
West, R., M.Sc., Ph.D. McGill

Honorary Research Professors
Bavington, W., B.A. Graceland College, M.D. Toronto, D.T.M.H
Liverpool, M.P.H. Johns Hopkins, F.A.C.P.M., FRCP
Buehler, S., A.B. Illinois College, M.A. Indiana, Ph.D. Memorial

Clinical Professor of Microbiology and Epidemiology
Ratnam, S., M.Sc. Madras, Ph.D. Delhi

Epidemiology and Public Health
Associate Professor of Community Health

Associate Professor of Epidemiology
Wang, P., Ph.D., M.D., M.P.H. China

Associate Professor of Nutrition/Dietetics
Roebethan, B., B.Sc. Memorial, M.Sc. Saskatchewan, Ph.D. Memorial

Adjunct Professor of Pharmacoeconomics
Rawson, N.S.B., B.Sc. Leicester, M.Sc. Newfoundland-Tyne, Ph.D. Southampton

Clinical Professors of Community Health and Humanities
Allison, D., M.D. Queen’s, FRCP
Godwin, M., B.Med. Memorial, M.Sc. Queens; Cross appointed from Discipline of Family Medicine

Assistant Professor of Epidemiology
Valcro, J., B.Sc., M.Sc., Ph.D. Guelph

Health Care Delivery
Associate Professor of Health Care Policy and Delivery

Associate Professor of Health Policy/Health Care Delivery
Mathews, M., B.Sc., B.A. Calgary, M.H.Sc.A. Alberta, Ph.D. Toronto

Assistant Professor of Health Policy/Health Care Delivery
Maddalena, V., Ph.D MHS, B.N. Dalhousie; Cross appointment to School of Nursing

Clinical Assistant Professor of Health Care Delivery
Clarke, B., B.S.W. Memorial, M.S.W. Carleton, R.S.W.

Professional Associate of Health Care Delivery
House, J., B.A. Reading, B.Ed. Memorial, LL.B Dalhousie

Health Statistics and Health Information Systems
Professor of Biostatistics
Gadag, V., B.Sc., M.Sc. Karnataka, M.Phil., Ph.D. Poona; Cross appointment to Department of Mathematics and Statistics

Assistant Professor of Biostatistics/Quantitative Research Methods
Yi, Y., B.Sc., M.Sc. China, M.Sc., Ph.D. Manitoba; Cross appointment to Department of Mathematics and Statistics

Assistant Professor of Health Statistics and Economics
Audas, R., B.B.A. New Brunswick, M.B.A., M.A. Dalhousie, Ph.D. Wales

Cross Appointed From Geography
Simms, A., B.A. Memorial, M.Sc., Ph.D. Calgary

Clinical Assistant Professor
Doyle, M., B.A., Ph.D. Memorial, M.A. Guelph

Social and Behavioural Science
Associate Professors of Social Science and Health
Beausoleil, N., B.A. Laval, M.A., Ph.D. UCLA
Gustafson, D., B.A. McMaster, M.Ed. Brock, Ph.D. Toronto

Adjunct Professor of Social and Behavioral Science
Hanrahan, M., Ph.D. London, UK, M.A. Ottawa, B.A. Memorial

Joint Appointments
Assistant Professor Joint Appointed from Counselling
Heath, O., B.A. McGill, M.Sc., Ph.D. Memorial
Assistant Professor Joint Appointed from Nursing
Keenan, A., B.N., Ph.D. Memorial, MHSc. Toronto

Canada Research Chairs, Tier II
Canada Research Chair in Health Promotion and Community Development
Traverso, M., Ph.D. Spain, B.A. Ecuador

Canada Research Chair in Healthy Aging Joint appointed with Nursing
Young, W., B.Sc. Trent, M.A. Ontario, Ph.D. Toronto

Clinical
Allison, D., M.D. Queen’s, FRCP
Clarke, B., B.S.W. Memorial, M.S.W. Carleton, R.S.W.
Doyle, M., B.A., Ph.D Memorial, M.A. Guelph
Ratnam, S., M.Sc., Madras, Ph.D. Delhi

Professional Associates
House, J., B.A. Reading, B.Ed. Memorial, LL.B Dalhousie

Clinical Lecturer, Nutrition
Varghese, S., M.Sc. Medicine Community Health, Memorial

Adjunct Professors
Hanrahan, M., Ph.D. London, UK, M.A. Ottawa, B.A. Memorial
Moore-Orr, R., S.M. Iowa, D.Sc. Harvard

Cross Appointments
Goodwin, M., B.Med. Memorial, M.Sc. Queens; Cross appointed from Discipline of Family Medicine
Simms, A., B.A. Memorial, M.Sc., Ph.D. Calgary; Cross appointed from Geography

Medical Humanities
John Clinch Professor of Medical Humanities and History of Medicine
Connor, J.T.H., B.Sc. Guelph, M.A. Western Ontario, M.Phil., Ph.D. Waterloo; Cross appointment to Department of History

Professor of Medical Ethics

Assistant Professors of Health Care Ethics
Brugner, F., B.A.(Hons.) Winnipeg, M.A., Ph.D. McGill
Kaposy, C., B.A. McMaster, M.A. Concordia, Ph.D. State University of NY

Associate Professor of Humanities
Connor J.J., B.A. Guelph, M.A. York, M.Phil. Waterloo, Ph.D. Western Ontario; Cross appointment to Department of History

Adjunct Professor
McDonald, P., B.A. Memorial, LL.B Osgoode Hall

Clinical Assistant Professor of Health Law
Barrowman, B., B.Sc. Queens, LL.B. Toronto, M.D. Memorial

Cross Appointment from Discipline of Medicine
Bandraud, N., M.D., M.Sc. McGill, FRCP

Professional Development and Conferencing Services (PDCS)
Vice Dean
Peters, S., M.D. Memorial, MPH Milwaukee, FRCP

Assistant Dean
Bursey, F., B.Sc., M.D. Memorial, FRCP

Director, Academic Development For Specialists
Fox, G., M.D. Memorial, M.Sc. Western Ontario, FRCP, FCCP

Director, Academic Development (Family Physicians)
Snow, P., M.D., B.N. Memorial, C.C.F.P.
The Faculty of Medicine of Memorial University of Newfoundland is one of 17 Canadian medical schools and was one of the four schools suggested by the Hall Royal Commission on Canadian Health Services in its 1964 report. A series of meetings was begun in 1963 between representatives of Memorial University of Newfoundland, the Newfoundland Medical Association, and the Department of Health of the Government of Newfoundland and Labrador. Following the Hall Commission's recommendation and on the basis of positive advice from Dr. J. Wendell MacLeod, Executive Secretary of the Association of Canadian Medical Colleges, and Dr. Chester B. Stewart, Dean of Medicine at Dalhousie University, Halifax, Nova Scotia, Memorial University of Newfoundland established a Commission in 1965 to undertake a feasibility study. The late Dr. J.A. MacFarlane, formerly Dean of Medicine at the University of Toronto, and a member of the Hall Royal Commission served as chairman. The MacFarlane Commission's recommendation that a Medical School be established at Memorial University of Newfoundland was confirmed independently by a Royal Commission on Health Services for Newfoundland and Labrador. The chairman of this latter Commission, Lord Brain, an eminent British medical educator, and his advisors, reported that the location of a medical school in the Province was a necessary step in the provision of adequate medical services for Newfoundland.

Dr. Ian Rusted, a local physician who had been involved in the early negotiations and had taken the initiative in introducing continuing medical education for doctors in the Province, was appointed Dean of Medicine in 1967. Under his leadership, faculty members were recruited, the undergraduate program was initiated and the first medical students were admitted in 1969. The existing programs of postgraduate training and continuing medical education were strengthened and the spectrum of medical education was subsequently completed in 1971 with the initiation of a program of graduate studies leading to the degrees of M.Sc. and Ph.D.

The undergraduate curriculum was designed to foster integrated learning and to permit contact with patients early in the student’s training. To facilitate this integrated approach the administration of the school was set up as a non-departmental system based on three Divisions: Community Health, BioMedical Sciences and Clinical Sciences.

Initially the Faculty of Medicine was housed in temporary buildings. With joint funding by the Federal and Provincial Governments, a Health Sciences Centre (HSC) was constructed on the North Campus of the University and was officially opened in 1978. This new building became home to the Faculty of Medicine General Hospital and the School of Nursing. Over time the building was expanded, and now it also houses the School of Pharmacy, the Janeway Children’s Health and Rehabilitation Centre, the Dr. H. Bliss Murphy Cancer Centre and the Agnes Cowan Hostel. The Health Sciences Centre contains a comprehensive health sciences library, animal care and research facilities, plus an appropriate range of teaching facilities to accommodate large lectures and demonstrations, small group discussions and seminars, clinical skills and laboratory sessions. The structure of the Health Sciences Centre facilitates integration between basic scientists, clinicians and allied health workers in the hospital, the University and the community. Clinical research facilities are located adjacent to basic research units and some research laboratories provide services in clinical investigation. Services such as cafeteria and stores are common to the Faculty of Medicine and the Eastern Regional Health Authority.

The General Hospital and Janeway Children’s Health and Rehabilitation Centre are part of a network of teaching hospitals in St. John’s and throughout the Province. The conventional use of major referral centres as teaching resources is complemented by the availability of regional and community hospitals to provide valuable clinical experience for undergraduate and postgraduate medical students.

In contrast to many other schools, the class size at the University’s Medical School is small. This facilitates interaction between students and faculty, and has obvious advantages in clinical teaching. Normally 60 students are admitted annually to the first year of the undergraduate medical program.

Additional information regarding the Faculty of Medicine is available at www.med.mun.ca/medicine/home.aspx.
3  Mission and Objectives of the Faculty of Medicine

The Mission of the Faculty of Medicine is to enhance the health of the people of Newfoundland and Labrador by educating physicians and health scientists; by conducting research in clinical and BioMedical Sciences and applied health sciences and by promoting the skills and attitudes of lifelong learning.

The objectives of the Faculty of Medicine are consistent with the objectives of Memorial University of Newfoundland in developing and maintaining excellence in the quality of its academic standards and of research, establishing programs to meet the expanding needs of the Province and of providing the means to reach out to all the people.

The Faculty seeks to attain these objectives through an organizational structure which allows optimum interaction among the various disciplines within the Medical School and with other Faculties and Schools as appropriate.

The term ‘Medical School’ refers to the wider organizational structure of the Faculty of Medicine with various healthcare, institutions, community organizations and other academic units with the University.

The specific objectives are:

1. To teach medical students to be physicians; and to provide such learning experiences as will inspire all medical graduates of the school to be prepared to practice medicine at the highest standards, serving all individuals and societies in the pursuit of health.
2. To acknowledge the special geography of this Province by encouraging the education of physicians with exemplary skills for rural practice.
3. To educate and train graduate and diploma students in the health sciences.
4. To provide postgraduate educational experiences in medicine and the medical sciences such that the graduating Canadian physicians will pursue further studies within the school's postgraduate programs, leading to certification in family medicine or specialist subjects, especially in those areas where deficiency in numbers is currently recognized or anticipated.
5. To instil within students at all levels:
   a. The wish and the capacity to further the practice and science of medicine through the creation of new knowledge for the improvement of the health of the world's peoples.  
   b. The wish and the capacity to improve their own professional practice through continuing self-assessment and scholarship. 
   c. An appreciation of their evolving roles as members of a team of professionals possessing complementary skills.
6. To attract faculty members who will together:
   a. Act as a resource in providing undergraduate, graduate, postgraduate, and continuing medical education.
   b. Contribute to the advancement of educational methods.
   c. Practice the highest quality of primary, secondary, or tertiary care medicine.
   d. Show leadership in promoting research into the health of the individual and the community, including the organization of health care delivery systems.
   e. Facilitate and promote education and research appropriate to our mid North-Atlantic environment.
7. To provide educational experiences in the health sciences to students from other Schools or Faculties of Memorial University of Newfoundland and of other educational institutions.
8. To provide Continuing Medical Education experiences which will help physicians to maintain and enhance their competence in medical skills.
9. To provide a learning environment for undergraduate, graduate, and postgraduate students of medicine and the medical sciences who are citizens of other countries.
10. Actively to provide an Informational, Educational and Consultative resource for the whole community.

4  Affiliated Teaching Sites

1. Within St. John’s: (hospitals and other centres under the Eastern Regional Health Authority)
2. Outside St. John's: (hospital/community settings)
3. New Brunswick: (hospital/community settings)
4. Prince Edward Island: (community settings)

5  Description of Medical Training Program

The Faculty of Medicine offers a four-year undergraduate medical program, comprising a minimum of 186 credit hours, leading to the degree of Doctor of Medicine (M.D.).

The first two years of medical studies is called Pre-Clerkship. BioMedical Science courses are taught primarily in the first year of medical studies. Upon completion of these courses, the Integrated Study of Disease courses follow. Students undertake instruction in Community Health & Humanities and Clinical Skills concurrently. By the end of Pre-Clerkship, students are expected to be able to take a patient's medical history, perform a thorough physical examination and to derive a logical diagnosis. The Clerkship Preparation Course is completed prior to commencing the Clerkship.

The last two years of medical studies is called Clerkship. During this time, students who are clinical clerks take courses that will allow them to alternate through the major disciplines in hospital and community settings throughout affiliated teaching sites in Newfoundland and Labrador and community and hospital settings throughout Prince Edward Island and New Brunswick. Clinical clerks participate as members of the health care team gaining the knowledge and experience necessary to assume the responsibilities associated with patient care.

Upon successful completion of medical studies, the students are qualified to write Part I of the licensing examinations set by the Medical Council of Canada (MCC). After the award of the M.D. degree and following successful completion of one year of postgraduate training, they are qualified to write Part II of the MCC licensing examinations.

6  Continuing Medical Education

The Faculty of Medicine's Office of Professional Development and Conferencing Services delivers accredited continuing medical education (CME) programs and plays a major role in meeting the professional development needs of health care professionals throughout Newfoundland and Labrador and across Canada. CME is offered through a variety of formats, including teleconferencing, video-conferencing, online and onsite. Faculty development programs are designed specifically to assist faculty members in their own
unique educational requirements. Educational assessments and retraining experiences are available to physicians, international medical graduates and health care practitioners who meet the criteria. The Office of Professional Development and Conferencing Services is committed to assisting students, faculty members, and physicians in meeting their educational requirements.

7 Postgraduate Medical Training Programs

Postgraduate medical training is offered in programs leading to certification by either the College of Family Physicians of Canada (CFPC) or the Royal College of Physicians and Surgeons of Canada (RCPSC). These are full-time training programs comprised of hand-on-practical training complemented by formal teaching and academic study. The programs are completed in a structured learning environment consisting of hospital and community based teaching units, supervised by faculty. The level of responsibility afforded the student is based on regular evaluation of abilities by faculty. The Postgraduate training programs are accredited by the CFPC or the RCPSC and the appropriate licensing authorities.

Postgraduate entry positions are available through the Canadian Residency Matching Service. For further information write to The CaRMS Office, Suite 802, 151 Slater Street, Ottawa, Ontario K1P 5H3, or by telephone to (613) 237-0075, or toll free to (800) 291-3727, or the website at www.carms.ca.

7.1 Family Emergency Medicine

The University offers a two-year residency in Family Medicine. This leads to eligibility for certification by the College of Family Physicians of Canada. Emergency medicine is a one-year program of specialty training. Successful completion of this program will lead to eligibility to sit the CCFP EM certification examination in emergency medicine.

7.2 Residency Training Programs

Memorial University of Newfoundland offers specialty training programs in Anesthesia, Internal Medicine (and subspecialty in Nephrology), Neurology, Obstetrics/Gynecology, Orthopedics, Anatomic Pathology, Pediatrics, Psychiatry, Radiology and General Surgery.

Internal Medicine and Pediatrics offer a straight program in the first year of the training program. The normal period of training in Internal Medicine or Pediatrics is four years post-M.D.

In the remaining specialty programs offered by Memorial University of Newfoundland, broad-based clinical training is offered as the first year of the training program. The total length of each of these programs is five years.

7.3 Clinical Fellowships

A sixth year of postgraduate study (Clinical Fellowship) may be available to residents who have completed specialty training requirements. These fellowships may be primarily directed to the clinical area, to teaching, or to research.

7.4 Registration

Postgraduate Trainees are registered each year as full-time students of Memorial University of Newfoundland.

7.5 Licensure in Newfoundland and Labrador

All trainees must be eligible for and obtain an educational license from the College of Physicians and Surgeons of Newfoundland (CPSNL). Advice will be provided by the Postgraduate Medical Education Office.

Information on requirements for International Medical Graduates is available through the website at www.med.mun.ca/pgme.

8 Graduate Studies

Interdisciplinary interaction and research among the divisions of BioMedical Sciences, Community Health and Humanities and Clinical Sciences is promoted.

Programs have been designed to attract students interested in a Graduate Diploma or a M.Sc., Ph.D. or M.D.-Ph.D. degree and the Master of Public Health. Areas of strength include Applied Health Services Research, Cancer and Development, Cardiovascular and Renal Sciences, Clinical Epidemiology, Community Health, Human Genetics, Immunology and Infectious Diseases, and Neurosciences. Details of the graduate programs are provided in the School of Graduate Studies section of this Calendar.

9 Regulations for the Degree of Doctor of Medicine

9.1 Admission to the Faculty of Medicine

1. All applications for entry to the program of studies leading to the Doctor of Medicine (M.D.) degree are dealt with by the Admissions Office of the Faculty of Medicine and must be submitted to that office on or before the closing date (normally October 15th). No application received after this date will be considered. An application processing fee of $75.00 is required from all applicants.

2. Applications are reviewed after the closing date by the Admissions Committee of the Faculty of Medicine. This Committee has the delegated authority of the Faculty Council to admit or decline to admit students, following guidelines and procedures acceptable to that Council.

3. Admissions will normally be to the first year of medical studies. In exceptional circumstances, admission with advanced standing may be offered.

4. Entry to medical school is on the basis of competition for a fixed number of places. The Admissions Committee takes account of an applicant's academic background, performance on the Medical College Admissions Test (MCAT) and information on an applicant's personal characteristics and achievements as given by the applicant, by referees' reports and, in some cases, by personal interviews. Age by itself is not used as a basis for selection or rejection. Both age and the length of time away from full-time studies may be taken into consideration. The residency status of each applicant at the time of the closing date for application (normally October 15) will be determined by guidelines established by the Admissions Committee and approved by Faculty Council. For each candidate, the residency status determined at that time will apply throughout the admissions process and the period of undergraduate medical education. Priority is given to applicants who are bona fide residents of this province.

5. The Admissions Committee's decision to admit or decline to admit an applicant will be made on the basis of the competition for entry in the year of application and will be determined by the Committee's judgement of the likelihood of an applicant succeeding in the
academic and professional studies leading to the award of the M.D. and in the eventual practice of medicine.

6. To be eligible for admission, an applicant shall have completed a bachelor’s degree including the prerequisite subjects of 6 credit hours in English at a recognized university or university college before admission.

In exceptional circumstances an application may be considered from someone who does not expect to hold a bachelor’s degree at the time of admission. Such an applicant will have completed at least 60 credit hours including the prerequisite subjects of 6 credit hours in English at a recognized university or university college before admission and be a student who has work-related or other experience acceptable to the Admissions Committee.

No application will be considered from a candidate who cannot produce evidence that the above requirements have been met or will have been met by the time of entry to the Medical School.

In addition, all applicants must write the MCAT prior to the application deadline. The MCAT should be written within the preceding five years of the date of application.

7. Applicants need to be aware of the policy related to Essential Skills and Abilities Required for the Study of Medicine. This policy outlines essential skills and abilities needed to succeed in the M.D. program and it includes technical standards for students in the program and information for students with disability. This information is available on the Faculty of Medicine’s website at www.med.mun.ca/Admissions/Application-Preparation.aspx.

8. Each applicant is responsible for ensuring that all the required information on the application form, e.g. transcripts, MCAT scores, referee’s reports, is supplied to the Admissions Committee, and for providing any further information required by this Committee. An application is not considered complete until these documents have been received.

9. The Admissions Committee may request that a candidate attend an interview.

10. Notification of the Committee’s decision will be made to candidates by letter signed by, or on behalf of, the Chair of the Admissions Committee. No other form of notification can be considered to be official.

11. The letter of acceptance will give the successful applicant fourteen (14) days in which to confirm that he/she will accept the place offered. The signed intent to accept the offered place must be accompanied by a deposit of $200.00 which will be credited towards tuition fees. The deposit will be forfeited if the applicant subsequently declines the place.

If no reply to the offer of a place is received within fourteen days, the offer by the Faculty of Medicine will be withdrawn on the appropriate date, and the applicant will be informed of this by letter.

12. In order to register, applicants who have been accepted as international students will be required to sign a document indicating that they will pay differential fees throughout the undergraduate medical program and that they will have the status of non-Canadians in the postgraduate matching process.

13. The Admissions Committee, at its discretion, may grant deferral of admission for one year to a maximum of two successful applicants in the first round of offers for any one admission cycle. An applicant must request a deferred entry at the time of responding to an offer of admission. The first round of offers are normally confirmed by mid-May and requests for deferral are considered by mid-June.

14. Successful applicants must normally complete a certified Basic Cardiac Life Support course before beginning medical school.

15. Unsuccessful applicants who wish to reapply for admission are required to submit the application forms relevant to the year of re-application and will be required to enter the competition in that year. An unsuccessful applicant can meet with the Assistant Dean for Admissions or the Admissions Officer to discuss reapplying prior to the deadline for submission of a new application (normally October 15).

16. An unsuccessful applicant has the right to appeal against the decision of the Admissions Committee not to offer him/her a place, if it is felt by the applicant that the decision was reached on grounds other than those specified in Clauses 1-4 above. The appeal should be made in writing within fourteen days of the notification of the decision and should be directed to the Dean of Medicine. The letter should state clearly and fully the grounds for the appeal. If the Dean of Medicine, in consultation with the Registrar, judges the grounds to be sufficient, the formal appeals mechanism will be initiated.

9.2 Licensure in Newfoundland and Labrador and Other Approvals

All medical students must be eligible for and obtain an educational license from the College of Physicians and Surgeons of Newfoundland and Labrador (CPSNL).

The Faculty of Medicine does not require criminal record checks or other screening procedures as a condition of admission to its program.

Students, however, should be aware that such record checks or other screening procedures may be required by agencies used by the University for professional registration, clinical experiences or academic course assignments necessary for graduation. Such agencies may refuse to accept students on the basis of information contained in the record check or other screening procedure thus preventing the student from completing a practice experience or other requirement. As a result, such students may not be eligible for promotion or graduation. The student is responsible for having such procedures completed as required at his or her own expense. The screening procedures of any given agency may change from time to time and are beyond the control of the University.

9.3 Evaluation

1. Subject to the approval of Senate, the overall policy of evaluation and the planning of the programs of studies leading to the M.D. degree are the responsibility of the Undergraduate Medical Studies Committee, which is a standing committee of the Council of the Faculty of Medicine.

2. Each student is expected to complete the work of the class as described in the current regulations of the Faculty of Medicine for each year of the program and to pass the prescribed academic and professional evaluations. In this context, the professional evaluation will cover, not only the skills expected of a student, but personal conduct and relationships with peers, patients, hospital personnel, faculty members and staff.

3. Course grades are recorded as pass or fail on a student’s University transcript. For Pre-Clerkship courses/subjects and Medicine 7280, evaluation of an individual student’s performance is conducted by the course/subject chair or instructor(s). The overall results of the course/subject evaluations are expressed on a four-point internal scale as outstanding, pass, borderline or fail. For Clerkship, overall evaluations of discipline rotations/selectives and electives are the responsibility of the respective discipline or electives co-ordinator. There is an internal five-point scale of outstanding, above average, average, below average and fail.

a. The Co-ordinator of the Pre-Clerkship or Clerkship and the Chair of the appropriate course/subject committee are responsible for ensuring that each student is informed of the results of each evaluation. The Chair of the course/subject committee will notify the student and Pre-Clerkship or Clerkship Co-ordinator, in writing, of any concerns that have arisen about performance.

b. It is the responsibility of the student to consult immediately with the Co-ordinator of the Pre-Clerkship or Clerkship Committee
and/or the Chair of the course/subject committee regarding any course/subject in which concerns about performance have been expressed. Within one week of receiving notification of the grade for a course/subject, a student may submit a written request to the Co-ordinator of the Pre-Clerkship or Clerkship Committee for reconsideration of the grade awarded or for a reread of an exam/paper.

c. The student is responsible for notifying the Co-ordinator of the Pre-Clerkship or Clerkship Committee immediately of any new circumstances or of any pre-existing circumstances that have not previously been reported which could affect his or her individual performance in the work of the class.

4. A student’s progress is monitored in each year of the program by the Pre-Clerkship or Clerkship Committee.

9.4 Promotion

1. The Student Promotions Committee is a standing committee of Faculty Council. The Student Promotions Committee reviews the grades of all students in each year. On the basis of this review, the Committee decides which students should be promoted to the next year and which students are eligible to graduate. In reaching its decisions the Student Promotions Committee takes into account professional, as well as academic factors, and any special circumstances, duly authenticated, which warrant consideration.

2. The Student Promotions Committee may require students to pass reassessments or to do remediation with reassessment before being considered for promotion or graduation. Students with a Fail grade in any subject or course cannot be promoted; such students may be required to repeat the entire course or any appropriate section and must pass an appropriate reassessment before a positive promotion decision is made. The amount and quality of makeup required of a student is at the discretion of the Student Promotions Committee, but it cannot be undertaken while any other course, including an elective, or a selective, is in progress, nor if a student’s full participation in subsequent courses is in any way jeopardized. Any student who passes remediation and reassessment will have their transcript show only a “PAS” grade along with a transcript note reading: “Grade awarded in course name and number after a failing grade in subject(s), n of n components of course number.”

3. A student who consistently receives Borderline or Below Average grades even in the absence of any Fail grades may either be required to repeat the year or required to withdraw conditionally or unconditionally.

4. A student who is deemed by the Student Promotions Committee to be unsuitable for promotion or graduation is either required to repeat all of the studies in any year, or required to withdraw either conditionally or unconditionally.

a. If a student is required to repeat a year with academic prejudice, his or her performance in the repeated year must be at a level at which no remediation or reassessment is required. If this standard is not met, the Student Promotions Committee requires the student to withdraw unconditionally.

b. The option to repeat a year with academic prejudice can only be offered to a student once during his/her M.D. program. A student may repeat a year without academic prejudice if it has been demonstrated that the student’s performance has been adversely affected by other factors acceptable to the Student Promotions Committee and duly authenticated.

c. If the Student Promotions Committee requires a student to withdraw conditionally, the Chair of the Student Promotions Committee reports to the Dean and the Pre-Clerkship or Clerkship Co-ordinator the nature of the conditions to be met and the time period specified for meeting the conditions. The Dean then recommends to the Registrar that the student be required to withdraw from the program. Any student who has been required to withdraw conditionally may be readmitted once the conditions have been met. If the conditions are not met within the specified time limit, the student is required to withdraw unconditionally.

d. If the Student Promotions Committee requires a student to withdraw unconditionally, the Chair of the Student Promotions Committee will report the decision and the basis upon which it was reached to the Dean and the Pre-Clerkship or Clerkship Co-ordinator. The Dean then recommends to the Registrar that the student be required to withdraw from the program. Any student who is required to withdraw unconditionally and who wishes to re-enter the Faculty must apply by the appropriate deadline date to the Admissions Committee in competition with all other applicants.

5. A student has the right to make a formal appeal against a decision of the Student Promotions Committee. However, this appeal cannot be made on the basis of the grades awarded in individual courses or subjects, as the student will normally have had the opportunity of contesting grades immediately after notification. A formal appeal by a student against the decision of this Committee must be made on grounds other than the grades awarded, e.g. default of procedure. This appeal should be made in writing, clearly stating the basis for the appeal and should be directed in the first instance to the Dean. The Dean in consultation with the Office of the Registrar determines whether or not the grounds stated are sufficient to warrant a formal hearing of the appeal.

6. In addition to the above clauses, the Faculty of Medicine reserves the right to require a student to withdraw from the program at any time when acceptable cause is demonstrated. In such cases, the Dean, on behalf of the Faculty, recommends such withdrawal to the Registrar who will then take appropriate action. Any such action is subject to the right of appeal by the student. An appeal should be made in writing clearly stating the basis for the appeal and should be directed in the first instance to the Registrar of the University. The Registrar, in consultation with the Dean, will determine whether or not the grounds stated are sufficient to warrant a formal hearing of the appeal.

7. Any student who enters the first year of the medical program but withdraws within the first seven weeks may be permitted re-entry only by re-application to the Admissions Committee in competition with all other applicants by the appropriate deadline date. Withdrawal at all other times is in accordance with UNIVERSITY REGULATIONS - General Academic Regulations (Undergraduate).

8. a. Upon completion of a program year, a student in good academic standing may elect to withdraw temporarily from studies (e.g. to pursue graduate studies after completion of the second year).

b. Any student may be permitted to withdraw in accordance with UNIVERSITY REGULATIONS - General Academic Regulations (Undergraduate) Withdrawing From The University. In all cases, the intent to withdraw voluntarily should be discussed with the Pre-Clerkship or Clerkship Co-ordinator, as appropriate. The student must make a written request for voluntary withdrawal to the Dean who will then consult the appropriate Co-ordinator. In the event that a student wishes to return to medical school, the Dean should ensure that sufficient revision and preparatory work are undertaken before the student is permitted to resume medical studies.

c. Students permitted to withdraw are advised of the date upon which they are required to resume medical studies. In the absence of good cause, any such student who does not resume studies on the specified date will be deemed to have left the program.

9.5 Curricular Requirements (M.D.)

Students entering the M.D. program will be governed by curricular requirements in effect at the time of their admission. In the event of readmission, students will be governed by curricular requirements in effect at the time of their readmission.

The Clerkship Student Promotions Committee recommends to Faculty Council those students to be awarded the M.D. degree.
10 Course Descriptions

The courses in Pre-Clerkship form a continuum. Some courses are composed of several individual subjects. Clerkship provides clinical experience in the affiliated teaching hospitals and community sites of Memorial University of Newfoundland. The students become members of the patient care team and have graded and supervised responsibility.

10.1 Courses in the First and Second Year of Medical Studies

5600 Basic Science of Medicine I is an integrated course with several subjects including anatomy, biochemistry, genetics, immunology, microbiology, pathology and physiology. This course introduces students to the structure and function of the human body and provides the foundation of the basic science of medicine. A wide range of teaching methods are used including lectures, small group sessions, and laboratory sessions/demonstrations.

CH: 14

5610 Clinical Skills I introduces students to the main elements of the medical interview and techniques of counselling. Students are then expected to interview normal individuals and eliciting symptoms and signs in patients and presenting the findings in a logical and comprehensive manner. Emphasis is placed on developing a sympathetic and understanding approach to the patient. The course also provides an integrated approach to clinical symptoms and signs as manifestations of disordered function or structure. Ethical and legal issues playing a significant role in assessment and management of clinical problems are also considered within the humanities, ethics, and law in medicine (HELM) component.

AR: attendance is required
CH: 9

5640 Community Health I introduces several aspects of community health including health promotion, disease prevention, biostatistics, epidemiology, social and organizational factors in health, environmental and occupational health, community nutrition and behavioural sciences. Lectures and small group sessions are complemented with practical experience obtained through group research projects and field teaching in the community in both a rural and urban context. Aspects of medical ethics relative to community health are integrated throughout the course. Emphasis is placed on understanding the determinants of health and illness and the context in which they occur. The principles of research are introduced and students may initiate research opportunities that are carried through subsequent courses in the curriculum.

CH: 9

5650 Integrated Study of Disease I involves studying diseases of the major organ systems, and includes integration with the pathological basis of disease, pathology and pharmacology. The course also incorporates the relevant aspects of preventive medicine, clinical genetics, clinical epidemiology and occupational medicine.

CH: 10

5660 Family Medicine Pre-Clerkship Elective is offered to medical students interested in enhancing their patient interviewing and clinical examination skills. Each student will be paired with an experienced family physician in the community (rural and urban opportunities) for two to four weeks during the summer months at the end of the first and/or second year. Students gain practical experience of working at the primary care level in a variety of settings that could include office-based practice, home visits, emergency departments, labour and delivery and both long-term care facilities and in-hospital ward experiences. (This varies depending on the family physician's practice profiles.) Students applying for this course must be currently registered as a first or second year medical student in a Canadian medical school.

AR: attendance is required
CH: 0

6600 Basic Science of Medicine II is a continuation of Basic Science of Medicine I.

CH: 8

6610 Clinical Skills II is a continuation of Clinical Skills I.

AR: attendance is required
CH: 9

6640 Community Health II is a continuation of Community Health I.

CH: 9

6650 Integrated Study of Disease II is a continuation of Integrated Study of Disease I.

CH: 30

6660 Family Medicine Pre-Clerkship Elective has the same course description as Medicine 5660.

AR: attendance is required
CH: 0

7000 Clerkship Preparation Course

AR: attendance is required
CH: 2

10.2 Courses in the Third and Fourth Year of Medical Studies

The Third Year is approximately 14 months in duration; it begins in September and continues until November of the following year. It is composed of the core courses 7200-7250 and two (8 credit hours) elective courses. The Fourth Year begins immediately upon completion of the Third Year and continues until May of the following year. It includes one (4 credit hours) elective course, three (12 credit hours) selective courses, and Medicine 7280.

7200 Internal Medicine

AR: attendance is required
CH: 15

7210 Surgery

AR: attendance is required
CH: 10

7220 Psychiatry

AR: attendance is required
CH: 10

7230 Pediatrics

AR: attendance is required
CH: 10

7240 Rural Family Practice

AR: attendance is required
CH: 5

7250 Obstetrics/Gynecology

AR: attendance is required
CH: 10

7260, 7261 & 7263 Electives

AR: attendance is required
CH: 12 (4 each)

7270-7272 Selectives

AR: attendance is required
CH: 12 (4 each)

7280 Integrated Basic, Community Health and Clinical Sciences

CH: 2

10.3 Courses Offered By the Faculty of Medicine for Non-Medical Students

310A and 310B Human Physiology covers the properties of nerve and muscle cells, the special senses, blood and body fluids, and the nervous, cardiovascular, digestive, immune, respiratory, urinary, endocrine and reproductive systems. Integration of the body's systems in maintaining homeostasis is emphasized. Priority for entry into this course is given to Biochemistry, Nutrition, Dietetics, and other students who are interested in experimental science.

CO: Biochemistry 2101
CR: Biochemistry 311A/B and Medicine 310A/B

LH: to be specified
PR: Biochemistry 2101

4300 Introduction to General and Autonomic Pharmacology deals with the general principles of pharmacology (dose-response relationship, drug-receptor interaction, absorption, distribution, metabolism, excretion of drugs), and drugs that affect neuromuscular and autonomic neurotransmission, the cardiovascular, gastrointestinal, and central nervous systems, and autacoids/prostanoids.

CO: Biochemistry 3106 or Pharmacy 3111
CR: Biochemistry 4220

LH: to be specified
PR: Medicine 310A/B or Biochemistry 311A/B, or Pharmacy 2002/2003 or the former Pharmacy 3201/3202.