

**A. PERSONAL**

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**B. EDUCATION**

B.Sc.	National University of Ireland (Cork)	Mathematics / Statistics	1968
M.Sc.	National University of Ireland (Cork)	Mathematics / Statistics	1969
Ph.D.	University of Waterloo	Statistics / Biometry	1973

**C. POSITIONS HELD****McGill University**

1993- Professor, Dept. Epidemiology, Biostatistics & Occupational Health; Dept. Medicine

2001 (09-12) Interim Chair, Dept Epidemiology, Biostatistics and Occupational Health

1995 - Medical Scientist, Division of Clinical Epidemiology, Royal Victoria Hospital

2000 - Associate Member, Department of Mathematics and Statistics

1992 - 3 Visiting Professor, Dept of Community Health, Addis Ababa University, Ethiopia

1991 - Associate Member, School of Physical and Occupational Therapy

1985 - 6 Consultant, Cancer Unit, World Health Organization, Geneva (sabbatic leave)

1984 - 93 Associate Professor, Department of Medicine

1980 - 93 Associate Professor, Department of Epidemiology and Biostatistics

**Harvard School of Public Health, Boston, Massachusetts**

1977 - 80 Assistant Professor, Department of Biostatistics;  
Assistant Scientist, Div. of Epidemiology & Biostatistics, Sidney Farber Cancer Institute

**State University of New York at Buffalo**

1973 - 77 Research Assistant Professor, Statistical Science Division

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**D. OTHER POSITIONS and EXPERIENCE**

- 1992-95 Consultant, Conseil d'évaluation des technologies de la santé du Québec
- 1978-80 Statistical Consultant, Massachusetts Dental Survey
- 1978-80 Statistical Consultant, New England Regional Burn Program
- 1975-80 Statistician, Neutron Therapy Users Group  
(NIH-funded clinical trials in 4 U.S. centres)
- 1975-80 Project Statistician, Committee for Human Trials in Pi-Meson Radiotherapy  
(Clinical trials at Los Alamos Facility)
- 1973-80 Radiation Therapy Oncology Group  
(NIH-funded clinical trials in 40 U.S. centres)  
- Statistician (1973-80),  
- Co-ordinating Statistician (1974-76)
- 1973-74 Co-ordinating Statistician, Gastro-intestinal Tumor Study Group  
(NIH-funded clinical trials in 7 U.S. centres)
- 1973-80 Statistician, Eastern Oncology Oncology Group  
(NIH-funded clinical trials in 50 U.S. centres)

**E1. COURSES TAUGHT at McGill 2000-2011**

<u>Year</u>	<u>Course</u>	<u>Title</u>
2010-11	BIOS-601 EPIB 609 524-207G BIOS 602 EPIB-634	Epidemiology: Introduction and Statistical Models [4credits] Seminar for PhD students: Co-ordinator (24 sessions x 1.5 h); moderated 4 sessions Intro to Epi (Co-ordinator M Klein); led 2 small-group sessions, 4 hours Epidemiology: Regression Models [4 cr] Survival Analysis & Related Topics [1 cr]
2009-10	BIOS-601 524-207G BIOS 602 POTT-630 EPIB-634 EPIB-660	Epidemiology: Introduction and Statistical Models [4credits] [N Dendukuri taught 2 sessions] Intro to Epi (Co-ordinator M Klein) taught 2 hours ; led small-group sessions 12 hours Epidemiology: Regression Models [4 cr], [N. Dendukuri taught 4 sessions] Measurement in Rehabilitation (Co-ordinator S Wood-Dauphinee); 2 hours Survival Analysis & Related Topics [1 cr] Protocol Development (Co-ordinator: Becklake) Taught 6 hours.
2008-09	BIOS-601 524-207G BIOS 602 POTT-630 EPIB-602 EPIB-634	Epidemiology: Introduction and Statistical Models [4cr] [RPlatt/EMoodie taught 4 sessions] Intro to Epi (Co-ordinator M Klein) taught 2 hours; led small-group sessions 12 hours Epidemiology: Regression Models [4 cr], [A. Labbe taught 4 sessions] Measurement in Rehabilitation (Co-ordinator S Wood-Dauphinee); 2 hours taught 3 1.5 hour sessions Survival Analysis & Related Topics [1 cr]
2007-08	BIOS-601 EPIB-626 524-207G BIOS 602 POTT-630 EPIB-634	Epidemiology: Introduction and Statistical Models [4credits] Risks and hazards (Co-ordinator S Suissa); 6 hours Intro to Epi (Co-ordinator M Klein) taught 2 hours & co-led small-group sessions 12 hours Epidemiology: Regression Models [4 credits], with N Dendukuri Measurement in Rehabilitation (Co-ordinator S Wood-Dauphinee); 3 hours Survival Analysis & Related Topics [1 credit]
2006-07	EPIB-678 EPIB-613 POTT-630 EPIB-634	Risks and hazards [3 credits] Introduction to Computational Statistics for Epidemiology [1 credit] Measurement in Rehabilitation (Co-ordinator S Wood-Dauphinee; 4.5 hours) Survival Analysis & Related Topics [1 credit]
2005-06	EPIB-626 EPIB-604 POTT-630 EPIB-604	Risks and hazards (Co-ordinator S Suissa; taught 6 hours) Graduate Seminars (joint with Jane McCusker) Measurement in Rehabilitation (Co-ordinator S Wood-Dauphinee; 5 hours) Introduction to Computational Statistics for Epidemiology [1 credit]
2004-05	-----	----- (sabbatical leave)
2003-04	524-207G EPIB-626 EPIB-604 POTT-630 EPIB-681 EPIB-640 EPIB-694(SP)	Introduction to Epidemiology (Co-ordinator J Pickering; taught 2 hours) Risks and hazards (Co-ordinator S Suissa; taught 9 hours) Graduate Seminars (Co-ordinator A Lipman; participant) Measurement in Rehabilitation (Co-ordinator S Wood-Dauphinee; 5 hours) Data Analysis II Practicum (Co-ordinator M Goldberg; taught 1 session [2 hours]) Statistical Inference II (2 credits)
2002-03	524-207G EPIB-626 POTT-630 EPIB-640 EPIB-678(SP)	Introduction to Epidemiology (Co-ordinator J Pickering; taught 8 hours) Risks and hazards (Co-ordinator S Suissa; taught 9 hours) Measurement in Rehabilitation (Co-ordinator S Wood-Dauphinee; 5 hours) Practicum (Co-ordinator; taught 1 section [1 credit]) Analysis of multivariable data
2001-02	513-607 513-626 189-685 582-630 513-640 513-678(SP)	Principles of Inferential Statistics in Medicine Risks and hazards (Co-ordinator S Suissa; taught 9 hours) Statistical Consulting Measurement in Rehabilitation (Co-ordinator S Wood-Dauphinee; 8 hrs) Practicum (co-ordinator; taught 1 section [1 credit]) Analysis of multivariable data

**E1. COURSES TAUGHT at McGill 1991-2000**

2000-01	513-697 513-626 189-685 582-630 513-640 189-323C 513-678(SP)	Applied Linear Models Risks and hazards (Course co-ordinator S Suissa; taught 9 hours) Statistical Consulting Measurement (Course co-ordinator S Wood-Dauphinee; taught 8 hours) Practicum (co-ordinator; taught 1 section [1 credit]) Probability Theory (undergraduate; 42 students; 3 credits; May 2001) Analysis of multivariable data
1999 -2000	513-697 513-626 513-610 513-640 513-622 513-678(SP)	Applied Linear Models Risks and hazards (Course co-ordinator S Suissa; taught 9 hours) Occurrence of Health Events (Course co-ordinator M Kramer; taught 6 hours) Practicum (co-ordinator; taught 1 section [1 credit]) Applications of statistics Analysis of multivariable data
1998-99	513-697 513-626 582-630 513-640 513-622 513-678(SP)	Applied Linear Models Risks and hazards (Course co-ordinator S Suissa; taught 9 hours) Measurement (Course co-ordinator S Wood-Dauphinee; taught 6 hours) Practicum (co-ordinator; taught 1 section [1 credit]) Applications of statistics Analysis of multivariable data
1997-98	-----	----- (sabbatical leave)
1996-97	513-626 513-695 513-607(SP) 513-678(SP)	Risks and hazards (shared with S Suissa) Intermediate epidemiology (Co-ordinator - taught 9 hours) Principles of inferential statistics in medicine Analysis of multivariable data (shared with A Negassa)
1995-96	513-626 513-622 513-607(SP) 513-678(SP) Pharmacology 524-207 Dentistry	Risks and hazards (shared with S Suissa) Applications of statistics (shared with S Choi) Principles of inferential statistics in medicine Analysis of multivariable data (shared with A Negassa) 3 3-hr lectures to graduate students Unit 8. Small group tutor in med. undergrad course : 6 2-hr sessions Year 1 2 2-hr lectures
1994-95	513-626 513-622 513-607 513-607(SP)	Risks and hazards Applications of statistics Princ inferential statistics in med (Potsdam; intensive course, Feb.) Principles of inferential statistics in medicine
1993-94	513-607 513-622 513-607(SP)	Principles of inferential statistics in medicine Applications of statistics Principles of inferential statistics in medicine
1992-93	U. Addis Ababa MPH Pgm	Biostatistics I Biostatistics II Research Protocol (shared)
1991-92	513-622 513-607(SP)	Applications of statistics Principles of inferential statistics in medicine
1990-91	513-622 513-607(SP) 513-121	Applications of statistics Principles of inferential statistics in medicine (Medical undergraduates) 3 Lectures

**E1. COURSES TAUGHT at McGill 1980-1990**

1989-90	513-607	Principles of inferential statistics in medicine
	513-622	Applications of statistics
	513-607(SP)	Princ. of inferential statistics in med (50%, shared with L Joseph)
	513-121	(Medical undergraduates) 2 Lectures
1988-89	513-622	Applications of statistics
	513-607(SP)	Principles of inferential statistics in medicine
1987-88	513-622	Applications of statistics
	513-626	Risks and hazards (50%, shared with A. Ciampi)
	513-607(SP)	Principles of inferential statistics in medicine
1986-87	513-607	Principles of inferential statistics in medicine
	513-622	Applications of statistics
	513-626	Risks and hazards
	513-607(SP)	Principles of inferential statistics in medicine
1985-86	-----	----- (sabbatical leave)
1984-85	513-607	Principles of inferential statistics in medicine
	513-622	Applications of statistics
1983-84	513-607	Principles of inferential statistics in medicine
	513-622	Applications of statistics
1982-83	513-607	Principles of inferential statistics in medicine
	513-622	Applications of statistics
1981-82	513-607	Principles of inferential statistics in medicine
	513-622	Applications of statistics
1980-81	513-607	Principles of inferential statistics in medicine
	513-621	Data analysis for health sciences

**E2.GRADUATE STUDENTS SUPERVISED**

<u>Year</u>	<u>Name</u>	<u>Degree</u>	<u>Current Position</u>
1980	Harmon Jordan	DSc	Statistician, Blue Cross Blue Shield of Massachusetts.
1982	Bwani Pathak	Dip	Scientist, Canadian Center for Occupational Health.
1985	Molly Thompson	PhD	Epidemiologist, British Columbia Ministry of Health.
1988	Kathryn Wilkins	MSc	Epidemiologist, Dept of Health and Welfare, Ottawa.
1988	Katherine Desmond	MSc	Freelance research contractor, Ottawa.
1988	Joyce Pickering	MSc	Faculty member, McGill Department of Medicine
1989	Thiery Ducruet	Dip	Statistician, Jewish General Hospital.
1990	Abdissa Negassa	MSc	Assoc. Prof., Albert Einstein Coll of Med, Yeshiva U, NY
1990	Michèle Rivard <sup>1</sup>	DSc	Prof. titulaire, Méd. sociale et préventive, U de Montréal.
1991	Nicola Cherry	MSc	Prof. & Chair, Dept. Public Health Sciences U. of Alberta
1992	Ronald Lett	MSc	Director, Canadian Network for International Surgery
1992	Adrian Levy <sup>2</sup>	MSc	Head, Community Health&Epidemiology, Dalhousie Univ
1992	Kenneth Johnson	PhD	Laboratory Centre for Disease Control, Ottawa
1993	Susan Scott	MSc	Research Associate, Royal Victoria Hospital
1995	Catherine Hagen	MSc	Physician, UBC Family Medicine Unit, Prince George B.C.
1995	Karim Hajian-Tilaki	PhD	Assistant professor, Babol faculty of Medicine, Iran
1995	Stefania Rodella	MSc	Director, Health Services Evaluation Unit, Florence, Italy
1996	Haile Fenta	PhD	Project Co-ordinator, U of Toronto/Clarke Institute
1997	Douglas Schaubel <sup>3</sup>	MSc	Associate professor, Dept. of Biostatistics, U of Michigan
1998	Vanessa Catalan <sup>4</sup>	PhD	Research Director, Lakehead University, Ontario
2001	David Hendrick <sup>5</sup>	MSc	Professor and Chest Physician, U of Newcastle, UK
2001	Khajak Ishak	MSc	Statistician, Caro Research, Montreal
2002	Elizabeth Turner	MSc	Res. Fellow, Med. Statistics, London Sch. Hyg&Trop. Med
2005	Nicole Parent <sup>6</sup>	PhD	Nurse Administrator, Montreal Heart Institute
2006	Carine Bellera	PhD	Biostatistician, Institut Bergonie, Bordeaux, France.
2006	Nathalie Malo <sup>7</sup>	PhD	Biostatistician, Montreal
2007	Robert Pauly	MSc	Assistant Professor, U Alberta, Fac Medicine, Nephrology
2008	Bin Zhang <sup>8</sup>	PhD	Statistician, New Brunswick Department of Health
2009	Ernest Lo <sup>9</sup>	MSc	Biostatistician, Jewish General Hospital
2009	Orit Schieir <sup>10</sup>	MSc	PhD student, University of Toronto
2009	Marie-Eve Beauchamp <sup>11</sup>	PhD	Research Associate, Montreal General Hospital
2011	Dana Teltsch <sup>12</sup>	PhD	Consultant, Boston
2011	Tao Gao <sup>13</sup>	MSc	Research Associate, Montreal

with... 1 D. Amato (Harvard Sch Pub Health); 2 M Goldberg and N Mayo; 3 J-P Collet; 4 D Krewski; 5 M Becklake  
6 N Frasure-Smith; 7 R Nadon; 8 S Suissa; 9 R Nadon, 10 B Thombs; 11 R Platt, 12 D Buckeridge; 13 B Foster.

**MEMBER OF THESIS COMMITTEE:**

**PhD** Gray-Donald '84; Gyorkos '85; McKenzie '87'; Tamblyn '89; Baumgarten, Sampalis '90; Hobbs, Leblanc '91; Wen, Delfino '93; Groome '94; Hodge, Demissie '95; Forrester, Gebreselassie, MacArthur '96; De Grosbois '97; Feldman, Levy, Stringer, Zhong '98; Egan '99; Maser, Sharpe, Stenstrom '00; Kassaye, Shen '01; Csizmadia '02; Pintos, Fairchild, Tamim '03, Koushik, Kosseim, Barnett Ahmed '04, Salbach '05 Ishak '06; Levesque '08; Soicher, Burchell, Maximova, Kidman, Belanger '09

**MSc** Massarelli '82, Levy, O'Loughlin '83, Aronson l'Abbé, Boucher, Dales, Filiatrault, Masi, Wang, Whitehouse '85; Richardson '86, Schachter '88, Menzies, Ng'ang'a, Weiland '89, Barrett '91 (Memorial U); Taddese '94; Bjerre '95; Loo '96; Brown '97; Cossette '98; Andreu, Newhouse, Teng, Venturini '00; Dandavino, Dubiniecki, Gagnon '02; Sylvestre, Wanyeki '03; Lauzon, Karunanathan '04, Schneider '05, St.-Germaine '08, Hamlin-Douglas '08, Nobel '10

**F. OTHER SCIENTIFIC and PROFESSIONAL CONTRIBUTIONS****1. Journals**

## Editorial Boards

2006-2008 Associate Editor, Biometrics  
 2005-2007 Statistical Consultant, Hypertension  
 1998-2001 Canadian Medical Association Journal: Associate editor for biostatistics  
 1996-2001 Statistics in Medicine  
 1992-93 Ethiopian Medical Journal  
 1989- Chronic Diseases in Canada  
 Medical Decision Making  
 1988-90 Investigative Radiology  
 1981-82 Medical Decision Making

## Referee for Scientific Journals In last 4 years ...

American Journal of Epidemiology	Biometrics	Investigative Radiology
Epidemiology	JASA	Statistics in Medicine

## Referee for Scientific Journals Earlier ...

American Review of Respiratory Disease	American Statistician	Annals Int. Medicine
Canadian Medical Association Journal	Journal of Nuclear Medicine	New England J Med
Radiology	Science	Statistics in Medicine

**2. Grant Reviews**Grant Selection and Personnel Award Committees

2001-02 FRSQ Chercheur Boursier awards committee  
 1993- Member, NHRDP Personnel Awards (Postdoctoral / Scholar / Scientist)  
 1988-92 Member, Epidemiology and Disease Control Study Section (NIH)... 3 3-day meetings/year  
 1987-91 Ad hoc member, Diagnostic Radiology Study Section (NIH)  
 1988 Member, Rehabilitation Grant Review Committee (Health and Welfare Canada)  
 1979-83 Member, Cancer Clinical Investigation Review Committee (NIH)

Grant Reviews

## CIHR

British Columbia Ministry of Health  
 Fonds de recherche en santé du Québec  
 Health and Welfare Canada  
 Heart and Stroke Foundation of Canada  
 Kidney Foundation of Canada  
 Medical Research Council of Canada  
 Natural Sciences and Engineering Research Council of Canada  
 Ontario Ministry of Health

Site visits

1981 European Organization for Research and Training in Cancer, Brussels, Belgium  
 1982 University of Florida, Gainesville  
 1983 University of Texas at Houston  
 1983 University of Washington, Seattle  
 1987 University of Pittsburg, PA  
 1987 University of Western Ontario  
 1991 Vanderbilt University, Nashville TN

**3, 4. Administrative****McGill**

- 1983 Faculty of Medicine Search Committee for Chair, Dept. of Epidemiology & Health  
 1986-87 Faculty of Medicine Computing Committee  
 1991 Consultation to administration regarding document produced by ministry of education on demographic projections for enrolment in Quebec universities.

**Department**

- 1981-83 Director of Graduate Studies (~40 students)  
 1984-85 Vice Chairman  
 1987-88 Chairman, Ethics Review Committee  
 1988-89 Member, planning committee for microcomputing laboratory and local area network  
 1988-91 Director of Graduate Studies (~70 students)  
 1988- Member, planning committee for Annual Summer Program.

**5. Professional Organizations**

- 2004-06 Chair, Local Organising Committee, International Biometric Conference, (IBC2006)  
 2004-06 Member, Program Committee, International Biometric Conference (IBC2006)  
 1991-93 Member, Regional Advisory Board, Biometric Society, Eastern North America Region

**6. Other professional and scientific contributions****Courses and Workshops**

- Centre de recherches mathématiques, Université de Montréal  
 Workshop: Statistics and Epidemiology May 3-8 1998  
 1/2 day course "Statistical methods for the evaluation of diagnostic tests"
- American College of Radiology  
 Course: Design and Analysis of Clinical Evaluations of Diagnostic Tests  
 2-day course, co-taught with Constantine Gatsonis, Washington, DC, Dec 9-10, 1995.
- Ethiopian Medical Association 1993 Annual Meeting, Addis Ababa, Ethiopia,  
 Continuing Medical Education Programme, May 19, 1993  
 Co-organizer plus 1 hour talk on "statistical methods"
- National Seminar on Occupational Safety, Nazareth, Ethiopia, April 1, 1993  
 1 hour talk on "Occupational Epidemiology"
- Ethiopian Public Health Association 1992 Annual Meeting, Addis Ababa, Ethiopia,  
 Continuing Medical Education Program October, 1992 1 hr talk on "data analysis"
- SPIE – International Society for Optical Engineering  
 Course: Use of Receiver Operating Characteristic (ROC) Analysis in Imaging Experiments (held in conjunction with SPIE's Medical Imaging V, San Jose, California, February 1991.)
- Radiology Diagnostic Oncology Group (multi-centre evaluations of diagnostic imaging technologies) 12-person Workshop, Boston, Massachusetts, 1990.
- American Thoracic Society  
 10-person Workshop (together with report to be published by American Review of Respiratory Disease): Lung Function testing – Selection of Reference Values and Interpretive Strategies, Salt Lake City, Utah, 1988.
- McGill Collaborative Program in Prescription Use and Public Health: Series in Methodological Development  
 Burlington, Ontario Oct 15-16, 1987 (Faculty: J Hanley & W Spitzer)
- American Thoracic Society  
 20-person Workshop on longitudinal data analysis in respiratory disease epidemiology, Tucson Arizona, 1987.
- Harvard Medical School (clinical epidemiology department, sponsored by Robert Wood Johnson Foundation)  
 Symposium on teaching of quantitative methods to physicians, 1986.
- Society for Medical Decision Making  
 Workshop on "Discriminant Analysis, Principles and Practice" at 3rd Meeting of Society for Medical Decision Making, Philadelphia, 1981

Talks at universities/research institutes

1976 Mayo Clinic  
 1979 Temple University  
 1983 University of British Columbia  
 1983 University of Ottawa  
 1983 University of Waterloo, Ontario  
 1984 University of Sherbrooke  
 1985 University of British Columbia  
 1986 University of Berne  
 1986 University of Lausanne  
 1986 Institut Gustave Roussy, Paris  
 1986 University College, Cork, Ireland  
 1987 Memorial University, St. John's, Newfoundland  
 1987 Health and Welfare Canada  
 1988 Mayo Clinic  
 1989 Université de Montréal  
 1992 Gondar College of Medical Sciences, Ethiopia  
 1993 Jimma Institute of Health Sciences, Ethiopia  
 1993 Université du Québec à Montréal  
 1995 University College, Cork, Ireland  
 1995 Dartmouth University  
 1996 University of Toronto and Ontario Cancer Treatment Research Foundation  
 1996 Memorial Sloan-Kettering Cancer Center, New York  
 1998 Statistics Department, La Trobe University, Melbourne, Australia  
 1998 Anti-Cancer Council of Victoria and Melbourne Epidemiology Group, Australia  
 1998 Dept. of General Practice & Public Health and Statistical Society of Australia, Melbourne  
 1998 Royal Children's Hospital, Melbourne, Australia  
 1998 New South Wales Anti-Cancer Council, Sydney, Australia  
 1998 Dept of Epidemiology & Preventive Medicine, Monash Medical School, Melbourne  
 2003 Dept of Epidemiology & Biostatistics, University of Western Ontario  
 2003 Center for Statistical Science, Brown University  
 2004 UQAM [ to Montreal Chapter, American Statistical Association ]  
 2005 London School of Hygiene and Tropical Medicine  
 2005 University College, Cork  
 2005 University College, Dublin  
 2008 University of Guelph, Gordon C. Ashton Biometric Lecture  
 2008 (and 2009) Université Laval, Québec  
 2010 University of Waterloo  
 2011 24<sup>th</sup> International Conference on Screening for Lung Cancer. The Biodesign Institute, Tempe, AZ

Talks at McGill

Division of Community Pediatrics, Montreal Children's Hospital (1) Department of Clinical Epidemiology, Royal Victoria Hospital (6) Department of Clinical Epidemiology, Montreal General Hospital (3) Centre for Clinical Epidemiology and Community Studies (2) McGill Programs in Whole Person Care, Department of Oncology (1) Department of Mathematics and Statistics (1)

Scientific and Program Reviews

Med Research Council Canada: 5-person Review of MRC Research Fellowships Program. 1985  
 Royal Society of Canada: 4-person Review of studies conducted by Health and Welfare Canada on acute health effects of acid rain. 1988

PhD Thesis Examiner (outside own department)

1985 University of the Witwatersrand, Johannesburg  
 1990 Université de Montréal  
 1990 Mathematics and Statistics, McGill  
 2003 School of Public Health, the University of Sydney  
 2005 Carleton University, Mathematics and Statistics  
 2006 University of Toronto, Biostatistics (Community Health Sciences)  
 2006 Psychology Department, McGill  
 2010 Statistics Department, University of Waterloo

**G1. RESEARCH ACTIVITIES****Main areas of research**

Biostatistics in general	Receiver operating characteristic analysis
Indices for measuring observer agreement	Survival analysis
Cancer Screening	History of Statistics and Epidemiology

**G3. RESEARCH GRANTS (as Principal Investigator)**

2011-14	CIHR	Methods to measure (and measures of) the (actual) mortality reductions produced by cancer screening. \$187,500 (\$62,500/year) co-applicants: N Dendukuri, Z Liu, E Strumpf
2007-12	NSERC	Statistical methods for assessing diagnostic tests and estimating individualized probabilities of therapeutic benefit. \$60,000 (\$12,000/year)
2003-07	NSERC	Biostatistical methods for the analysis of follow-up data \$50,000 (\$12,500/year)
2002-03	NIH	Efficacy of treatments for prostate cancer: statistical analysis. subcontract with Dr Peter Albertsen, U Connecticut (\$53,000)
1999-03	NSERC	Biostatistical methods for r.o.c. data, 2-phase case-control studies and measuring observer agreement \$39,900 (\$9,975/year)
1995-99	NSERC	Statistical methods for receiver operating characteristic (roc) analysis \$24,000 (\$6,000/year)
1991-94	NSERC	Statistical methods to assess diagnostic accuracy and observer agreement \$15,000 (\$5,000/year)
1988-90	FRSQ	Improved designs and analyses for studies of observer performance with diagnostic technology \$68,000
1985-86	NSERC	International collaborative research grant (declined)
1984-90	NSERC	Statistical treatment of indices of accuracy, agreement and risk.
1983	McGill	Development of computer-aided teaching of statistical concepts
1978-80	NCI(US)	Statistical Coordinating Center, Radiation Therapy Oncology Group
1979-80	NCI(US)	Exploratory Studies in Cancer Patient Data Control

**G3. GRANTS (as Collaborator or Co-Principal Investigator)**

(INCOMPLETE)

1998-00	NIH/NCI	Hormonal replacement therapy and risk of colon cancer Collet JP (PI), Csizmadi, Boivin, Hanley, et al \$US 212K/40K years 1/2.
1996-99	NCI/C	Waiting time for breast cancer surgery: an analysis of Quebec Mayo N (PI) and Goldberg, Haggertt, Hanley, et al \$Cdn 116K/116K/86K years 1/2/3.
1996-99	MRC	The 4-provinces study of process and outcome in primary care practice: can it be predicted by licensing examination scores? Tamblyn R (PI) and Brailovsky, Dauphinee, Goel, Hanley, Lescop, McLeod, Norcini, , \$Cdn72K/76K/38K years 1/2/3.
1996-98	FRSQ	Réseau: études sur l'utilisation des médicaments PI: Suissa (40 membres) \$Cdn100,000
1994-95	APQ	Impact of HIV Infection on the Incidence of Tuberculosis: A comparative Study in three Canadian cities using small area analysis --- Menzies R and Hanley J (\$11,300)
1989-91	IRSST	Evaluation of Diagnostic Technologies for Back Pain --- Leclaire, Esdaile,Rossignol, Jéquier, Bourdouxhe (\$220,000)
1991-	FRSQ	Equipe pluridisciplinaire --- Hutchinson, Tousignant
1988-89	FRSQ	The impact of the Higgins intervention program on twin pregnancy outcome --- Dubois, Duquette, Moutquin
1988-91	FRSQ	Adult health status of scoliosis patients--- Poitras and Mayo
1987-89	FRSQ	Equipe pluridisciplinaire --- Hutchinson, Tousignant
1985-86	NHRDP	Evaluation of Digital Diagnostic Imaging --- Brauer PI

NSERC: Natural Sciences and Engineering Research Council of Canada

FRSQ: Fonds de recherche en santé du Québec

IRSST: Institut de recherche en santé et en sécurité du travail du Québec

NCI (US): National Cancer Institute, U.S.A.

APQ: Association pulmonaire du Québec

**G4. PUBLICATIONS – see separate file**