

A. PERSONAL

Work address Department of Epidemiology and Biostatistics,
1020 Pine Avenue West, Montréal, PQ, Canada H3A 1A2

telephone & fax tel: +1 (514) 398-6270 fax: +1 (514) 398-4503

e-mail & web page James.Hanley@McGill.CA www.med.mcgill.ca/epidemiology/hanley

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

D. OTHER POSITIONS and EXPERIENCE

- 2013 Consultant, World Anti-Doping Agency
- 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 2000-2014

| <u>Year</u> | <u>Course</u> | <u>Title</u> |
|-------------|--|--|
| 2013-14 | BIOS-601 BIOS 624 524-207G POTT-630 | Epidemiology: Introduction and Statistical Models [4 credits] Data Analysis & Report Writing (Co-instructor, with A Benedetti) [4 credits]; Intro to Epi (Co-ordinator M Klein); led 2 small-group sessions, 4 hours Measurement in Rehabilitation (Co-ordinator S Ahmed); 3 hours |
| 2012-13 | BIOS-601 EPIB 609 524-207G | Epidemiology: Introduction and Statistical Models [4credits] Seminar for PhD students: Instructor (24 sessions x 1.5 h); Intro to Epi (Co-ordinator M Klein); led 2 small-group sessions, 4 hours |
| 2011-12 | BIOS-601 EPIB 609 524-207G | Epidemiology: Introduction and Statistical Models [4credits] Seminar for PhD students: Instructor (24 sessions x 1.5 h); Intro to Epi (Co-ordinator M Klein); led 2 small-group sessions, 4 hours |
| 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 | Introduction to Epidemiology (Co-ordinator J Pickering; taught 8 hours) Risks and hazards (Co-ordinator S Suissa; taught 9 hours) |

| | | |
|---------|--------------|--|
| | POTT-630 | Measurement in Rehabilitation (Co-ordinator S Wood-Dauphinee; 5 hours) |
| | EPIB-640 | Practicum (Co-ordinator; taught 1 section [1 credit]) |
| | EPIB-678(SP) | Analysis of multivariable data |
| 2001-02 | 513-607 | Principles of Inferential Statistics in Medicine |
| | 513-626 | Risks and hazards (Co-ordinator S Suissa; taught 9 hours) |
| | 189-685 | Statistical Consulting |
| | 582-630 | Measurement in Rehabilitation (Co-ordinator S Wood-Dauphinee; 8 hrs) |
| | 513-640 | Practicum (co-ordinator; taught 1 section [1 credit]) |
| | 513-678(SP) | Analysis of multivariable data |

E1. COURSES TAUGHT at McGill 1991-2000

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

| | | |
|---------|-------------|--|
| 1990-91 | 513-622 | Applications of statistics |
| | 513-607(SP) | Principles of inferential statistics in medicine |
| | 513-121 | (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 ¹ | 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 ² | 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 ³ | MSc | Associate professor, Dept. of Biostatistics, U of Michigan |
| 1998 | Vanessa Catalan ⁴ | PhD | Research Director, Lakehead University, Ontario |
| 2001 | David Hendrick ⁵ | 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 ⁶ | PhD | Nurse Administrator, Montreal Heart Institute |
| 2006 | Carine Bellera | PhD | Biostatistician, Institut Bergonie, Bordeaux, France. |
| 2006 | Nathalie Malo ⁷ | PhD | Biostatistician, Montreal |
| 2007 | Robert Pauly | MSc | Assistant Professor, U Alberta, Fac Medicine, Nephrology |
| 2008 | Bin Zhang ⁸ | PhD | Statistician, New Brunswick Department of Health |
| 2009 | Ernest Lo ⁹ | MSc | Biostatistician, Jewish General Hospital |
| 2009 | Orit Schieir ¹⁰ | MSc | PhD student, University of Toronto |
| 2009 | Marie-Eve Beauchamp ¹¹ | PhD | Research Associate, Montreal General Hospital |
| 2011 | Dana Teltsch ¹² | PhD | Consultant, Boston |
| 2011 | Tao Gao ¹³ | MSc | Research Associate, Montreal |
| 2014 | Amy Liu ¹⁴ | PhD | Cancer Care Ontario, Toronto |

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. 14 N
Dendukuri

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, Chiolero '12 Henderson '13

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 ReviewsGrant 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.
 2014 Provost's Ad hoc Advisory Working Group on statistical issues in Pay Equity implementation

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**

- McGill Faculty of Medicine MiniMed Series on Epidemiology (6 lectures, Fall 2014)
 Initiator, department liaison, and delivered first lecture in series.
- Centre for Epidemiology and Community Studies, Jewish General Hospital
 (Joint with O. Saarela) Feb 23, 2014
 1/2 day workshop "Statistical issues concerning Competing Risks"
- Bionano Program, McGill University
 Skills Workshop: November 27, 2013
 90-min presentation on Biostatistics
- 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

Interviews / media

Lecture in Canal Savoir MiniMed broadcast series on Epidemiology (Figuring out what makes people sick)
http://www.canalsavoir.tv/emission/mini_med_what_makes_people_sick

(Interviewee, September and October 2014) CTV Montreal and CJAD Radio (Epidemics and Epidemiologists)
<http://montreal.ctvnews.ca/video?playlistId=1.2047041>

(Interviewer, Spring 2014) 2 hr interviews with M McGregor, B Pless and G Theriault
<http://bcooltv.mcgill.ca/ListRecordings.aspx?CourseID=6485>

(Interviewee, 2013) TV interview with Global TV, Montreal
<http://globalnews.ca/video/762406/how-your-birth-month-affects-your-future>

(Interviewee, 2012) 30-min Radio Interview (Upclose) at University of Melbourne
<http://upclose.unimelb.edu.au/episode/192-diagnostics-overkill-are-we-screening-cancer-too-frequently>

(Interviewer, May 2011) of O Miettinen for Voices section of American J of Epidemiology
<http://bcooltv.mcgill.ca/ListRecordings.aspx?CourseID=6485>

(Interviewee, 2003) Radio Interview (Radio Canada International) on longevity of Titanic survivors
(Interviewee, 2003) TV interview (Global TV Montreal) on longevity of Titanic survivors
(following newspaper coverage of same item)

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 24th International Conference on Screening for Lung Cancer. The Biodesign Institute, Tempe, AZ
2012 University of Auckland
2012 University of Sydney
2012 University of Melbourne (2)
2012 Murdoch Children's Research Institute
2012 Fred Hutchison Cancer Center, Seattle
2014 (Oct) Invited Speaker at Annual André Aisenstadt Research Day, JGH (Cancer Screening – UPDATE 2014)
2014 (Dec) Department of Public Health, U Bordeaux (Cancer Screening)

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