Curriculum Vitæ – Erica E. M. Moodie

September 28, 2011

A. IDENTIFICATION

Name:	Erica Eleanor Margret Moodie
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Citizenship:	Canadian
Languages:	English, French

B. EDUCATION

2006 Ph.D. (Biostatistics)
University of Washington, Seattle WA, USA
Ph.D. thesis title: Inference for optimal dynamic treatment regimes.
Outstanding Student Award
Graduate School Merit Fellowship
Merck Graduate Fellowship
NSERC PGS-B (declined)

2004 Master of Science (Biostatistics)
University of Washington, Seattle WA, USA

2001 Master of Philosophy (Epidemiology)
Cambridge University, UK
M.Phil. thesis title: Modelling techniques for missing data:
Intensive case-management versus standard case-management for severe psychosis.
Commonwealth Fellowship
NSERC PGS-A (declined)

2000 Bachelor of Science (Mathematics and Statistics double-major)
University of Winnipeg, Winnipeg MB
Gold Medal in Statistics
Fessenden-Trott Scholarship
Women in Engineering and Sciences Fellowship (National Research Council)
Chancellor's Special Entrance Scholarship
Isbister Undergraduate Scholarship
Robert P. Purves Scholarship
Academic Proficiency Undergraduate Scholarship (1998 and 1999)
Professor Gunter Weiss Scholarship in Statistics

C. APPOINTMENTS

2006 - present Assistant Professor, Department of Epidemiology,
Biostatistics, and Occupational Health, McGill University

D. SPECIAL HONOURS, AWARDS, RECOGNITION

2006-2011 NSERC University Faculty Award $200,000

E. TEACHING

E1. Graduate Courses

Year	Course Title	Course No.	In-class Hours	Credits	Approx. No. Students
2007	Advanced Generalized Linear Models: Correlated Data	BIOS 612	30	4	4
2007	Principles of Inferential Statistics	EPIB 607	39	4	21
2008	Principles of Inferential Statistics	EPIB 607	39	4	29
2009	Advanced Generalized Linear Models: Correlated Data	BIOS 612	30	4	5
2010	Principles of Inferential Statistics	EPIB 607	39	4	27
2010	Advanced Generalized Linear Models: Correlated Data	BIOS 612	30	4	10

E2. Research Trainees Supervised

Post-doctoral trainees

2009-2011 Michael Regier (Co-Supervisor with Robert Platt)
2011- Olli Saarela (Co-supervisor with David Stephens)
Finnish Foundation for Technology Promotion

Graduate students: Doctoral degree

2000-2009	Sheila McDonald, Ph.D. Epidemiology (Co-supervisor with John Lynch) CIHR doctoral award
2006-	Benjamin Rich, Ph.D. Biostatistics (Co-supervisor with David Stephens) NSERC CGS-D3
2006-	Yongling Xiao, Ph.D. Biostatistics (Co-supervisor with Michal Abrahamowicz) Research Enhancement and Travel Award
2009-	Mireille Schnitzer, Ph.D. Biostatistics (Co-supervisor with Robert Platt) NSERC CGS-D3 Canadian Scleroderma Research Group (CSRG) mentorship program Statistics Society of Canada Travel Award Statistics Society of Canada Case Studies Award FQRNT bourse de stage international
2009-	Laurence Brunet, Ph.D. Epidemiology (Co-supervisor with Marina Klein) FRSQ doctoral award

Graduate students: Master's degree

2007-2009	Piotr Biernot, M.Sc. Biostatistics NSERC CGS-M Statistics Society of Canada Travel Award
2008-2010	Julia Thorpe, M.Sc. Epidemiology (Co-supervisor with Marina Klein) National CIHR Research Training Program in Hepatitis C Fellowship Best Clinical Science Presentation, 2010 Annual National CIHR Research Training Program in Hepatitis C Meeting First Place Honours, Oral Presentation Competition of the 2010 Department of Epidemiology, Biostatistics and Occupational Health Research Day Young Investigator Award, 17th Annual Conference on Retroviruses and Opportunistic Infections
2010-2011	Niamh Higgins, M.Sc. Epidemiology (Co-supervisor with Marina Klein) CIHR Canadian Observational Cohort (CANOC) Collaboration Trainee Award Canadian Medical Protective Association grant
2010-	Julie Heroux, M.Sc. Biostatistics (Co-supervisor with Erin Strumpf)
2010-	Nassim Mojaverian, M.Sc. Biostatistics
2010-	Sabria Khan, M.Sc. Biostatistics (Co-supervisor with Robert Platt)

Undergraduate trainees

2010	Mathieu Bray
2011	Julie Novak

F. Other Contributions

F1. Journals

Journal Editorships

2009 Guest Editor, *International Journal of Biostatistics* (Volume 6, Issue 2)
2009- Associate Editor, *International Journal of Biostatistics*
2011 Guest Editor, *Statistical Communications in Infectious Diseases*
2011- Associate Editor, *Journal of Causal Inference*

Reviewer of Journal Articles

Annals of Statistics
American Journal of Epidemiology
Biometrics
Biometrika
Biostatistics
Canadian Journal of Statistics
Clinical Trials
Epidemiology
International Journal of Biostatistics
International Journal of Epidemiology
International Journal of Public Health
Journal of the American Statistical Association
Journal of the Royal Statistical Society
Lifetime Data Analysis
NeuroImage
Public Library of Science, Medicine
Statistics in Medicine

Reviewer of Book Proposals and Chapters

2009 Applied Longitudinal Analysis (2nd Edition) by G. Fitzmaurice, N. Laird and J. Ware
Book proposal reviewed for Wiley & Sons.
2009 Analysis of Observational Health-Care Data using SAS Software by D. E. Faries et al.
Chapter "Applying the Propensity Adjustment for Longitudinal Observational Treatment Effectiveness Analyses" by A. C. Leon, D. Hedeker, and C. Li reviewed for SAS Press.

F2. Grant Reviews

Reviewer For Granting Agencies

2009- NSERC (Natural Sciences and Engineering Research Council): Discovery Grants
2009 MITACS (Mathematics of Information Technology and Complex Systems): Networks & Training Initiative

Panel Member of Review Committees

2010 CIHR (Canadian Institutes of Health Research): Public, Community & Population Health Operating Grant
2011 CIHR: Meetings, Planning and Dissemination Grant

F3. Administrative Responsibilities and Committees

Department of Epidemiology, Biostatistics, and Occupational Health

2006-	Member, Biostatistics Program Committee
2006-2007	Member, Epidemiology Ph.D. Program Committee
2006-2008	Member, Epidemiology M.Sc. Program Committee
2006-2009	Member, Biostatistics Program Admissions Committee
2007-2009	Chair, Biostatistics Applied Exam Committee
2008-2009	Organizer, Biostatistics Seminar Series
2010 (fall)	Organizer, Biostatistics Seminar Series

Faculty of Medicine

2010-2012	Member, Faculty of Medicine Postgraduate Awards Committee (PGAC)

National and International

2008-2011	Member, Bilingualism Committee, Statistical Society of Canada
2009-	Member, Election Committee, Statistical Society of Canada

F4. Professional Associations

2004-	Royal Statistical Society
2005-2007	Western North American Region of the International Biometrics Society
2006-	Canadian Statistical Society
2007-	Eastern North American Region of the International Biometrics Society
2009-	Centre de recherches mathématiques (associate member)

G. RESEARCH

G1. Research Activities

My primary research interest lies in the intersection of longitudinal data methods and causal inference, with particular focus on dynamic (or adaptive) treatment regimes. My research programme currently focuses on three topics in biostatistics:

(i) *Dynamic treatment regimes*: The statistical problem of estimating optimal therapies that are tailored to the individual and are adapted over time poses many methodological challenges. Some projects that I am currently working on in this area include the development of algorithms to detect and correct the asymptotic bias that occurs in the non-regular settings using g-estimation and Q-learning; the investigation of variable selection approaches to decide which tailoring variables to include in an optimal decision rule; and model diagnostics and variable selection for g-estimation and Q-learning.

(ii) *Causal inference for longitudinal data*: Longitudinal data are often observational and involves interesting features such as missing information, time-varying confounding and mediation. Recent and ongoing projects include the investigation of model selection and missing data issues for marginal structural models; the extension of the Generalized Propensity Score for continuous-variable exposures to a repeated measures setting; and exploration of the effect of measurement error on time-varying confounding variables in marginal structural models.

(iii) *Flexible modelling of dose-response and learning curves*: I am interested in developing semi-parametric modelling approaches for dose-response relationships and learning curves that explicitly allow for individual capacity to improve.

In addition to the above research activities, I also serve as the collaborating biostatistician on many projects in various areas of medical research. My particular substantive area of interest is the investigation of various aspects of treatment and lifestyle exposures in HIV-positive populations, including men who have sex with men in Montreal and Canadians who are co-infected with the Hepatitis C virus. I am also interested in the effect of breastfeeding on a range of developmental outcomes, including growth, early-life infections, and childhood IQ.

G2. Personal Support Awards

2006-2011 NSERC University Faculty Award $200,000
Due to maternity leaves, this award covered the period 2006-2013

G3. Grants Obtained

As Principal Investigator: Title, total (years). **Indicates sole investigator/applicant.*

1. Quebec Population Health Research Network Book-writing Grant – Dynamic treatment regimes for personalized Medicine, $5,000 (2011).
2. CIHR Meetings, Planning and Dissemination Grants – Causal inference in health research, $10,410 (2011).
3. *MITACS Networks and Training Program – Causal inference in health research, $15,000 (2011).
4. *NSERC Discovery Grant – Optimal adaptive treatment strategies: Finding practical solutions to inferential challenges, $80,000 (2009-2014).
5. CIHR Operating Grant – Statistical methods for causal inference in longitudinal studies with non-compliance and missing data, $285,177 (2008–2011).
6. *NSERC Discovery Grant – Optimal dynamic treatment regimes: extending the framework, $36,000 (2006–2009).
7. *McGill University Start-up Grant, $50,000 (2006).

As Co-Investigator: Title, PI, total (years)

8. CIHR Operating Grant – Prospective investigation of the relationship between food insecurity and health and behavioural outcomes in HIV-HCV co-infection: Clues for prevention interventions, PI: Joseph Cox, $385,413 (2011–2014).

9. CIHR Operating Grant – Development of strategies to curb the Quebec HIV epidemic based on molecular epidemiological surveillance, PI: Bluma Brenner, $311,718 (2011–2014).

10. CIHR Operating Grant – Stemming the epidemic of liver related morbidity and mortality in HIV-HCV co-infection: Is ART enough? PI: Marina Klein, $1,924,155 (2010–2015).

11. FQRNT Team Grant – Méthodes statistiques pour les études multiniveaux, PI: Nandini Dendukuri, $145,800 (2008–2011).

12. NIH Operating Grant – Soy-rich diet for preventing chronic post breast cancer surgery pain, PI: Yoram Shir, $236,446.32 (2008–2010).

G4. Publications (bolded authors indicate trainees under my supervision)

G4a. Articles published in peer-reviewed journals

1. Moodie E. E. M. and Stephens D. A. (2011) Estimation of dose-response functions for longitudinal data using the Generalized Propensity Score. *Statistical Methods in Medical Research* (in press, or online at doi:10.1177/0962280209340213)

2. Latimer E., Wynant W., Clark R., Malla A., Moodie E. E. M., Tamblyn, R., and Naidu A. Underprescribing of clozapine and unexplained variation in use across hospitals and regions in the Canadian province of Quebec. *Clinical Schizophrenia & Related Psychoses* (in press)

3. Hayward L., Wingfield J. C., and Moodie E. E. M. Patterns of yolk testosterone deposition in two populations of arctic-breeding redpolls. *Journal of Ornithology* (in press)

4. **Thorpe J.**, Saeed S., Moodie E. E. M., and Klein M. B. (2011) Antiretroviral treatment interruption leads to progression of liver fibrosis in adults co-infected with HIV and Hepatitis C. *AIDS*, **25**: 967-975.

5. Kramer M. S., Moodie E. E. M., Dahhou M., and Platt R. W. (2011) Breastfeeding and infant growth: An empirical demonstration of reverse causality. *American Journal of Epidemiology* **173**: 988-989. See also commentary by Schisterman et al. and response.

6. Moodie E. E. M. and Stephens D. A. (2011) Marginal Structural Models: Unbiased estimation for longitudinal studies. *International Journal of Public Health* **56**: 117-119.

7. Moodie E. E. M. and Stephens D. A. (2010) Using Directed Acyclic Graphs to detect limitations of traditional regression in longitudinal studies. *International Journal of Public Health* **55**: 701-703.

8. **Rich B.**, Moodie E. E. M., Stephens D. A., and Platt R. P. (2010) Model checking with residuals for g-estimation of optimal dynamic treatment regimes. *The International Journal of Biostatistics*, **6**(2): Article 10.

9. **Xiao Y.**, Abrahamowicz M., and Moodie E. E. M. (2010) Accuracy of conventional and marginal structural Cox model estimators: A simulation study. *The International Journal of Biostatistics*, **6**(2): Article 11.

10. Moodie E. E. M. and Richardson T. S. (2010) Estimating optimal dynamic regimes: Correcting bias under the null. *The Scandinavian Journal of Statistics* **37**: 126-146.

11. **Biernot, P.** and Moodie E. E. M. (2010) A comparison of variable selection approaches for dynamic treatment regimes. *The International Journal of Biostatistics*, **6**(1): Article 6.

12. Moodie E. E. M. (2009) A note on the variance of doubly-robust G-estimates. *Biometrika* **96**: 998-1004.

13. Moodie E. E. M. (2009) Risk factor adjustment in marginal structural model estimation of optimal treatment regimes. *Biometrical Journal*, **51**:774-788

14. Moodie E. E. M., Platt R. W., and Kramer M. S. (2009) Estimating response-maximized decision rules with applications to breastfeeding. *Journal of the American Statistical Association* **104**: 155-165.

15. Moodie E. E. M., Pai N. P., and Klein M. (2009) Is anti-retroviral therapy causing long-term liver damage? Results from an HIV-only and HIV-Hepatitis C co-infected cohort. *PLoS One*, **4**: e4517 (doi:10.1371/journal.pone.0004517)

16. Pai, N. P., Milton Estes, M., Moodie E. E. M., Reingold, A. L. and Tulsky, J. P. (2009) The impact of antiretroviral therapy in a cohort of HIV infected patients going in and out of the San Francisco County jail. *PLoS One* **4**: e7115 (doi:10.1371/journal.pone.0007115)

17. Moodie E. E. M., Delaney J. A. C., LeFebvre G., and Platt R. W. (2008) Missing confounding data in marginal structural models: a comparison of inverse probability weighting and multiple imputation. *The International Journal of Biostatistics*, **4**: Article 13.

18. Hanley J. A., Julien M., and Moodie E. E. M. (2008) Student's z, t, and s: what if Gosset had R? *The American Statistician*, **62**: 64-69.

19. Pai N. P., Joshi R., Dogra S., Taksande B., Mendiratta D., Kalantri S.P., Pai M., Moodie E. E. M., Narang P., Tulsky J. P., and Reingold A. (2008) Profile of adults seeking voluntary HIV testing and counseling in rural Central India: Results from a hospital based study. *AIDS Care*, **21**: 294-300.

20. Delaney J. A. C., Moodie E. E. M., and Suissa S. (2008) Validating the effects of drug treatment on blood pressure in the General Practice Research Database. *Pharmacoepidemiology and Drug Safety*, **17**: 535-545.

21. Veerapathran A., Joshi R., Goswami K., Dogra S., Moodie E. E. M., Reddy M. V. R., Kalantri S., Schwartzman K., Behr M. A., Menzies D., and Pai M. (2008) T-cell assays for tuberculosis infection: deriving cut-offs for conversions using reproducibility data. *Public Library of Science (PLoS) One*, **3**: e1850.

22. Moodie E. E. M., Richardson, T. S., and Stephens, D. A. (2007) Demystifying optimal dynamic treatment regimes. *Biometrics*, **63**: 447-455.

23. White I., Moodie E. E. M., Thompson S., Croudace T. (2003) A modelling strategy for the analysis of clinical trials with partly missing longitudinal data. *International Journal of Methods in Psychiatric Research*, **12**: 139-150.

24. Currie J. D., Moodie E. E. M. (2003) A word on 7 letters which is non-repetitive up to mod 5. *Acta Informatica*, **39**: 451-468.

G4b. Book Reviews

1. Moodie E. E. M. An Introduction to Generalized Linear Models (Third Edition) by A. J. Dobson and A. G. Barnett. *The Journal of Biopharmaceutical Statistics* **19**: 568-569.

G4c. Books, Book Chapters

1. Book: Statistical Methods for Dynamic Treatment Regimes: Reinforcement Learning, Causal Inference, and Personalized Medicine. Chakraborty B. and Moodie E. E. M. Contract signed with Springer (Statistics for Biology and Health series) December 2010, estimated date of completion: March 2012.

G4d. Conference Presentations and Abstracts

Conference presentations (invited) -

1. Moodie, E. E. M. (March, 2010) Model-checking for Semiparametric Estimation of Optimal Dynamic Treatment Regimes Eastern North American Region of the International Biometric Society (ENAR/IBS) Meeting, New Orleans, LA.

2. Moodie, E. E. M. (August, 2009) Structural Nested Mean Modeling of Response-maximized Breastfeeding Strategies Joint Statistical Meetings (JSM), D.C.

3. Moodie, E. E. M., Kaufman, J. (May, 2009) Invited discussants of Structural Nested Mean Models for Assessing Time-Varying Effect Moderation by Daniel Almirall, Thomas Ten Have, and Susan A. Murphy. Atlantic Causal Modeling Conference; Philadelphia, PA.

4. Moodie, E. E. M., Stephens, D. A. (June, 2008) Quantifying Dose-Response for a Continuous Treatment in the Presence of Non-Compliance or Confounding. Western North American Region of the International Biometric Society (WNAR/IBS) Meeting; Davis, CA.

5. Moodie E. E. M., Richardson T. S. (June, 2007) Asymptotic Bias Correction for g-estimation of Optimal Dynamic Regimes. Statistical and Applied Mathematical Sciences Institute (SAMSI) summer programme on Dynamic Treatment Regimes and Multistage Decision-Making; Durham, NC.

6. Moodie E. E. M., Stephens, D. A. (June, 2007) Quantifying Dose-Response for a Continuous Treatment in the Presence of Non-Compliance or Confounding. Statistical Society of Canada (SSC) meeting; St. John's, NL.

7. Moodie E. E. M., Richardson T. S. (June, 2006) Bias Correction in Non-differentiable Estimating Equations for Optimal Dynamic Regimes. Western North American Region of the International Biometric Society (WNAR/IBS) Meeting; Flagstaff, AZ.

Additionally, I sent students in my place to give invited talks as WNAR 2010 (Mireille Schnitzer), ENAR 2010 (Ben Rich) and SSC 2009 (Ashkan Ertefaie).

Presentations at universities or research institutes (invited) -

1. Harvard School of Pubic Health (September 27, 2010) Marginal Structural Models for Competing Risks.

2. London School of Hygiene and Tropical Medicine, Medical Statistics Unit (August 12, 2009) Structural Nested Modeling of Optimal Breastfeeding Strategies.

3. MUHC Department of Clinical Epidemiology (March 12, 2009) Estimating Unbiased Dose-Response Curves from Repeated Measures in the Presence of Confounding.

4. University of Toronto, Department of Biostatistics (March 10, 2009) Estimating Unbiased Dose-Response Curves from Repeated Measures in the Presence of Confounding.

5. Laval University, Department of Statistics (March 6, 2008) The Multivariate Generalized Propensity Score: Estimating Dose-Response Functions from Longitudinal Data.

6. University of Washington, Department of Biostatistics and Department of Statistics [special joint seminar] (January 24, 2008) The Multivariate Generalized Propensity Score: Estimating Dose-Response Functions from Longitudinal Data.

7. University of Texas MD Anderson Cancer Center, Department of Biostatistics. (September 28, 2007) Optimal adaptive treatment strategies: Using structural nested models to estimate the optimal duration of breastfeeding.

8. McGill University, Department of Biostatistics. (September 25, 2007) Optimal adaptive treatment strategies: Using structural nested models to estimate the optimal duration of breastfeeding.

9. University of Winnipeg, Department of Mathematics and Statistics. (April 18, 2007) Optimal adaptive treatment regimes: unbiased estimation for endogenous variables.

10. McGill University, Department of Epidemiology, Biostatistics, and Occupational Health - Biostatistics seminar series. (October 10, 2006) Bias correction in non-differentiable estimating equations for optimal dynamic regimes.

11. Colloque du Centre de Recherches Mathématiques (CRM). (October 6, 2006) Introduction to optimal dynamic treatment regimes.

Conference presentations (contributed) -

1. Moodie E. E. M., Chakraborty B. (June, 2011) Estimation of optimal dynamic treatment rules with shared parameters and non-regularity Statistical Society of Canada (SSC) meeting; Wolfville, NS.

2. Moodie E. E. M. (August, 2010) G-Estimation of structural nested model parameters for optimal dynamic treatment regimes: Looking for problems Joint Statistical Meetings (JSM), Vancouver, B.C. This was a "topic contributed" session.

3. Moodie E. E. M., Stephens, D. A. (May, 2010) Quantifying dose-response for a continuous treatment in the presence of non-compliance or confounding. Statistical Society of Canada (SSC) meeting; Quebec, QC.

4. Moodie E. E. M., Richardson T. S. (May, 2008) Bias reduction for g-estimation of optimal dynamic regimes at exceptional laws. Statistical Society of Canada/Société Française de Statistique meeting: Ottawa, ON.

5. Moodie E. E. M., Richardson, T. S. (June, 2005) A new calculation for recursive g-estimation of optimal dynamic treatment regimes. Western North American Region of the International Biometric Society (WNAR/IBS) Meeting; Fairbanks, AK.

6. Moodie E. E. M., Richardson, T. S. (September, 2004) Dynamic Treatment Regimes: Review and an Application. Royal Statistical Society (RSS) Meeting; Manchester, UK.

Poster presentations (invited and/or peer-reviewed) -

1. Moodie E. E. M. (2007) Causal inference techniques for longitudinal data. CIHR Institute of Infection and Immunity New Investigator Forum; King City, ON.

2. Moodie E. E. M., Saeed S., Klein M. B. (2010) Extending marginal structural models for competing risks: The effect of ART interruptions on death. International Workshop on HIV Observational Databases; Barcelona, Spain.

3. Thorpe J., Saeed S., Moodie E. E. M., Klein M. B. (2010) Interruption of Antiretroviral Therapy (ART) is associated with progression of liver fibrosis in HIV/HCV co-infected adults. International Workshop on HIV Observational Databases; Barcelona, Spain.

Workshops, working groups, and other activities -

1. Organized a five-day workshop entitled *Causal Inference in Health Research* as part of the themed semester in statistics sponsored by the Statistics Laboratory of the Centre de Recherches Mathématiques (CRM), which was held in Montreal, QC in 2011. I am currently producing proceedings of the meeting as a special issue of the *International Journal of Biostatistics*.

2. Organized a two-day workshop entitled *Statistical Methods in HIV Research* as part of the themed semester in statistics sponsored by the Statistics Laboratory of the Centre de Recherches Mathématiques (CRM), Montreal, QC, April 14-15, 2011. I am currently producing proceedings of the meeting as a special issue of the journal *Statistical Communications in Infectious Disease*.

3. Organized and chaired an Invited Session (sponsored by WNAR) at the Joint Statistical Meeting in Vancouver, BC, July 31-August 6, 2010.

4. Chaired a contributed session on "Biostatistics" at the Statistical Society of Canada (SSC) Meeting; Quebec, QC, May 22-26, 2010.

5. Organized a five-day workshop along with David Stephens (Mathematics and Statistics, McGill) entitled *Causal Inference in Statistics and the Quantitative Sciences* at the Banff International Research Station, May 3-8, 2009.

6. Invited presentation on Early Career and Renewal in an Academic Position at the Ontario/Quebec regional Young Investigators meeting of the Statistical Society of Canada, a meeting co-sponsored by Centre de Recherches Mathématiques in Montreal, QC, April 4, 2009.

7. Organized and chaired an Invited Session at the XXIV International Biometric Conference in Dublin, Ireland, July 13-18, 2008. The proposal was one of 20 selected from among 77 submissions.

8. Chaired a contributed session on "Genes and Gene Expression" at the Western North American Region of the International Biometric Society (WNAR/IBS) Meeting; Davis, CA, June 22-25, 2008.

9. Led a working group on "Practical Challenges and Applications" in the Statistical and Applied Mathematical Sciences Institute (SAMSI) summer programme on Dynamic Treatment Regimes and Multistage Decision-Making; Durham, NC. June 25-27, 2007.

Abstracts, notes, and miscellanea -

1. Moodie E. E. M. and Stephens D. A. (2010) Special issue on causal inference (Editorial Introduction). The International Journal of Biostatistics, 6(2): Article 1.

2. **McDonald S.**, Moodie E. E. M., and Lynch, J. (2010) Methodological approaches to conceptualizing and modeling the effect of dynamic family structure on child behavior. *American Journal of Epidemiology* **11**: Supplement, S112

3. Ball A. M., Leca N., Moodie E. E. M., Kendrick E. A., Davis C. L. (2006) Outcomes of steroid-free immunosuppression with tacrolimus/sirolimus (FK/Sr) in kidney transplant patients. *Journal of the American Society of Nephrology* (special volume for ASN meeting, November 2006).

4. Moodie E. E. M. (2004) Letter to the editor. *Clinical Trials*, **1**: 471.

H. DELAYS AND INTERRUPTIONS

2009-2010 Maternity leave: April 10, 2009 to March 26, 2010.
2010-2010 Maternity leave: December 12, 2010 to December 12, 2011.