

BIOGRAPHICAL SKETCH

Provide the following information for the key personnel and other significant contributors in the order listed on Form Page 2. Follow this format for each person. **DO NOT EXCEED FOUR PAGES.**

NAME Michele R. Hacker, MSPH, ScD		POSITION TITLE Assistant Professor, Obstetrics, Gynecology and Reproductive Biology, Harvard Medical School Instructor, Epidemiology, Harvard School of Public Health	
eRA COMMONS USER NAME (credential, e.g., agency login) michellehacker			
EDUCATION/TRAINING (Begin with baccalaureate or other initial professional education, such as nursing, and include postdoctoral training.)			
INSTITUTION AND LOCATION	DEGREE (if applicable)	YEAR(s)	FIELD OF STUDY
Swarthmore College, Swarthmore, PA	BA	1995	Political Science
University of Colorado, Denver, BO	MSPH	2000	Public Health
Harvard School of Public Health, Boston, MA	ScD	2006	Epidemiology

Positions and Employment

1995-1997	Project Analyst, Best Health Care, Philadelphia, PA
1997-1999	Research Assistant, Nichols and Hecht, LLC, Boulder, CO
1999-2000	Research Assistant, University of Colorado Health Sciences Center, Denver, CO
1999-2000	Teaching Assistant, University of Colorado Health Sciences Center, Denver, CO
2000	Statistical Analyst, Colorado Department of Public Health and Environment, Denver, CO
2000-2002	Research and Data Manager, University of Colorado Health Sciences Center, Denver, CO
2003	Epidemiology Intern, John Snow, Inc., Bucharest, Romania
2004-2006	Consultant in Epidemiology and Biostatistics, Harvard Pilgrim Health Care, Boston, MA
2004-2006	Head Teaching Fellow, Harvard College, Cambridge, MA
2004-2006	Teaching Assistant, Harvard Extension School, Cambridge, MA
2005-	Freshman Proctor, Harvard College, Cambridge, MA
2006-	Instructor in Epidemiology, Harvard School of Public Health, Boston, MA
2006-2008	Instructor in Obstetrics, Gynecology and Reproductive Biology, Harvard Medical School, Boston, MA
2006-	Epidemiologist in Obstetrics and Gynecology, Beth Israel Deaconess Medical Center, Boston, MA
2007-	Epidemiologist, Data Monitoring Committee, Bayer Pharmaceuticals Corporation, West Haven, CT
2008-	Director, Program in Epidemiologic Research, Beth Israel Deaconess Medical Center, Boston, MA
2008-	Assistant Professor in Obstetrics, Gynecology and Reproductive Biology, Harvard Medical School, Boston, MA

Other Experience and Professional Memberships

2002-2005	Member, Women, Gender and Health Working Group, Harvard School of Public of Public Health
2003-2006	Member, Department of Epidemiology Student Advisory Committee, Harvard School of Public Health
2005-	Member, Board of Freshman Advisors, Harvard College, Cambridge, MA
2006-	Member, Standing Committee on Advising and Counseling, Harvard College, Cambridge, MA
2006-	Member, Scientific Review Committee, Beth Israel Deaconess Medical Center, Boston, MA

Honors

1998	Public Health Traineeship in Epidemiology, Health Resources and Services Administration
2002	National Institutes of Health Epidemiology Training Grant, Harvard School of Public Health
2005	Certificate of Distinction in Teaching, Harvard University
2006	Certificate of Distinction in Teaching, Harvard University

B. Selected peer-reviewed publications (in chronological order).

- Hacker MR, Geraghty S, Manco-Johnson M. Barriers to compliance with prophylaxis therapy in haemophilia. Haemophilia. 2001;7(4):392-6.
- Josephson C, Nuss R, Jacobson L, Hacker MR, Murphy J, Weinberg A, Manco-Johnson MJ. The varicella-autoantibody syndrome. Pediatr Res. 2001;50(3):345-52.

3. Hacker MR, Rickard R, Murphy JR, Barton PL, Miller LA. The utility of death certificate and medical record reviews in a birth defects registry. *Journal of Registry Management*. 2001;28(3):121-4.
4. Manco-Johnson MJ, Jacobson LJ, Hacker MR, Townsend SF, Murphy J, Hay W. Development of coagulation regulatory proteins in the fetal and neonatal lamb. *Pediatr Res*. 2002;52(4):580-8.
5. Manco-Johnson MJ, Nuss R, Lear J, Wiedel J, Geraghty SJ, Hacker MR, Funk S, Kilcoyne RF, Murphy J. 32P Radiosynoviorthesis in children with hemophilia. *J Pediatr Hematol Oncol*. 2002;24(7):534-9.
6. Calverley DC, Brass E, Hacker MR, Tsao-Wei DD, Espina BM, Pullarkat VA, Hodis HN, Groshen S. Potential role of platelet FcγRIIA in collagen-mediated platelet activation associated with atherothrombosis. *Atherosclerosis*. 2002;164(2):261-7.
7. Calverley DC, Hacker MR, Loda KA, Brass E, Buchanan TA, Tsao-Wei DD, Groshen S. Increased platelet Fc receptor expression as a potential contributing cause of platelet hypersensitivity to collagen in diabetes mellitus. *Br J Haematol*. 2003;121(1):139-42.
8. Hacker MR, Primeaux J, Manco-Johnson MJ. A patient satisfaction survey for haemophilia treatment centres. *Haemophilia*. 2006;12(2):163-8.
9. Hacker MR, Funk SM, Manco-Johnson MJ. The Colorado Haemophilia Paediatric Joint Physical Examination Scale: normal values and interrater reliability. *Haemophilia*. 2007;13(1):71-8.
10. Hur H, Guido RS, Suketu MM, Hacker MR, Sanfilippo JS, Lee TT. Incidence and patient characteristics of vaginal cuff dehiscences after different modes of hysterectomies. *Journal of Minimally Invasive Gynecology*. 2007;In Press.
11. Hacker MR, Page JH, Shapiro AD, Rich-Edwards JW, Manco-Johnson MJ. Central venous access device infections in children with hemophilia: a comparison of prophylaxis and episodic therapy. *Journal of Pediatric Hematology/Oncology*. 2007;In Press.
12. Manco-Johnson MJ, Abshire TC, Shapiro AD, Riske B, Hacker MR, Kilcoyne R, et al. Recombinant factor VIII for the prevention of joint disease in children with severe hemophilia: prophylaxis compared with episodic treatment. *New England Journal of Medicine* 2007;357(6):535-544.
13. Rich-Edwards JW, Mohlajee AP, Kleinman K, Hacker MR, Majzoub J, Wright RJ, Gillman MW. Elevated mid-pregnancy corticotropin-releasing hormone is associated with prenatal, but not postpartum, maternal depression. *Journal of Clinical Endocrinology and Metabolism* 2008;93(5):1946-1951.
14. Choi CH, Rapti Z, Gelev V, Hacker MR, Alexandrov B, Park EJ, Park JS, Horikoshi N, Smerzi A, Rasmussen KO, Bishop AR, Usheva A. Profiling the thermodynamic softness of adenoviral promoters. *Biophysical Journal* 2008;95(2):597-608.
15. Arden D, Hacker MR, Jones DB, Awtrey CS. Description and validation of the Pelv-Sim: a training model designed to improve gynecologic minimally invasive suturing skills. *The Journal of Minimally Invasive Gynecology*, 2008;15(6):707-711.
16. Eaton JL, Hacker MR, Harris D, Thornton K, Penzias A. Assessment of day 3 morphology and euploidy for individual chromosomes in embryos that develop to the blastocyst stage. *Fertility and Sterility* 2008; doi:10.1016/j.fertnstert.2008.03.008. Published online early.
17. Smith LP, Hacker MR, Alper MM. Patients with severe ovarian hyperstimulation syndrome can be safely managed with aggressive outpatient transvaginal paracentesis. *Fertility and Sterility*, 2008; doi:10.1016/j.fertnstert.2008.09.011. Published online early.
18. Malizia BA, Hacker MR, Penzias AS. Cumulative live birth rates following in vitro fertilization treatment. *New England Journal of Medicine*, 2009;360(3):236-243.
19. Manco-Johnson MJ, Hacker MR, Jacobson L, Hay WW. Pharmacokinetics of protein C and antithrombin in the fetal lamb: a model to predict human neonatal replacement dosing. *Neonatology*, 2009;95:279-285.
20. Von Wald T, Monisova Y, Hacker MR, Yoo SW, Penzias AS, Reindollar RR, Usheva A. Age-related variations in follicular apolipoproteins may influence human oocyte maturation and fertility potential. *Fertility and Sterility*, 2009; doi:10.1016/j.fertnstert.2008.12.129. Published online early.

C. Research Support.

Ongoing Research Support

Massachusetts Medical Society and Alliance Charitable Foundation
Safe Delivery Project
Role: Co-Investigator

Lim (PI)

1/1/2007 - 12/31/2009

Program Director/Principal Investigator (Last, First, Middle):

Pending Research Support

NIH 1 UL1 RR 025758-02 Harvard Catalyst The Harvard Clinical and Translational Science Center Intrapartum rapid test for group B streptococcus in pregnancy Role: Principal Investigator	Hacker (PI)	11/1/2009 - 10/31/2010
---	-------------	------------------------

Completed Research Support

Harvard Medical School Center of Excellence in Women's Health Genetic Thrombophilia and Preterm Delivery Role: Principal Investigator	Hacker (PI)	7/1/2007 – 6/30/2008
---	-------------	----------------------

T32 ES 07069 National Institute of Environmental Health Sciences Training Program in Environmental Epidemiology Role: Pre-doctoral Fellow	Christiani (PI)	9/1/2002-8/31/2005
--	-----------------	--------------------