

JAGTESHWAR (UNA) GREWAL, PH.D., MPH

CURRENT POSITION Assistant Director for Research Programs and Operations
20013 - present Division of Intramural Population Health Research
Eunice Kennedy Shriver National Institute of Child Health and
Human Development
The National Institutes of Health

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EDUCATION

2005 PhD, Epidemiology, University of Michigan, Ann Arbor, MI
2000 MPH, Epidemiology, University of Michigan, Ann Arbor, MI
1997 MA, Economics, University of Michigan, Ann Arbor, MI
1991 BA, *magna cum laude*, Economics, Smith College, Northampton, MA

POSTDOCTORAL TRAINING

2006 – 2007 March of Dimes / California Birth Defects Monitoring Program,
Berkeley, CA.

PROFESSIONAL POSITIONS

2007 – 2013 Staff Scientist, Epidemiology Branch, Division of Intramural
Population Health Research, NICHD, NIH, Bethesda, MD
2001 – 2002 Research Associate II, School of Public Health, University of
Michigan, Ann Arbor, MI
Summer 2000 CDC/ASPH Intern, National Immunization Program, Centers for
Disease Control and Prevention, Atlanta, GA
1997 – 1998 Senior Analyst, Research & Policy Division, The MEDSTAT
Group, Ann Arbor, MI
1996 – 1997 Research Assistant, School of Public Health, University of
Michigan, Ann Arbor, MI

1991 – 1995 Associate Analyst, National Economic Research Associates, Inc.,
White Plains, NY

PROFESSIONAL SOCIETIES

2006 – present Society for Pediatric and Perinatal Epidemiologic Research

2006 – present Society for Epidemiologic Research

PROFESSIONAL SERVICE

Search Committees

Eunice Kennedy Shriver National Institute of Child Health and Human Development

- Staff Scientist Position, Epidemiology Branch, 2008
- Staff Scientist Position, Epidemiology Branch, 2010
- Staff Scientist Position, Prevention Branch, 2011

Ad Hoc Reviewer of Article Manuscripts

American Journal of Epidemiology

Annals of Epidemiology

American Journal of Obstetrics & Gynecology

Human Reproduction

Paediatric and Perinatal Epidemiology

RESEARCH FUNDING

Intramural

Eunice Kennedy Shriver National Institute of Child Health and Human Development

“NICHD Fetal Growth Studies – Singleton and Twins”

PI: Germaine Louis (2011 – present). Previous PI: Jun (Jim) Zhang (2008-2011)

Role: Co-Investigator

Total contract amount: \$35,828,560

Eunice Kennedy Shriver National Institute of Child Health & Human Development

“Consortium on Safe Labor”

Role: PI (2011 – present). Previous PI: Jun (Jim) Zhang (2006-2011)

Total contract amount: \$3,279,991

Extramural

Office of Dietary Supplements, National Institutes of Health

“NICHD Fetal Growth Studies – Dietary Patterns During Pregnancy”

Project dates: 2009-2013

Role: PI

Total Dollar Amount: \$300,000

ACADEMIC AWARDS, HONORS & FELLOWSHIPS

2001	Rackham Recruitment Fellowship, University of Michigan, School of Public Health, Ann Arbor, MI
1995 – 1997	Rackham Regents' Fellowship, University of Michigan, Department of Economics, Ann Arbor, MI
1991	Sidney S. Cohen Prize for outstanding work in Economics, Smith College, Northampton, MA
1991	<i>Magna Cum Laude</i> , Smith College, Northampton, MA
1990	Nominated to Phi Beta Kappa, Smith College, Northampton, MA

MENTORING

NIH Intramural Research Training Award Fellows

2011 – 2012	Gaurav Ghosh [post-baccalaureate]
2009 – 2010	Gila Neta [pre-doctoral]
2007 – 2008	Jessie Ford [post-baccalaureate]

NIH Summer Interns

2011	Sahel Hazrati, MPH student at George Mason University
2010	Megan Roosen-Runge, MPH student at the University of Washington
2008	Meghan Wernicke, MPH student at the Texas A&M University Rural School of Public Health

TEACHING EXPERIENCE

Winter 2004	Graduate Student Instructor, Field Studies in Epidemiology (EPID 655), Department of Epidemiology, University of Michigan, Ann Arbor, MI
Fall 2004	Graduate Student Instructor, Epidemiology of Chronic Diseases (EPID 601), Department of Epidemiology, University of Michigan, Ann Arbor, MI

PRESENTATIONS AT SCIENTIFIC MEETINGS

1. Risk of neural tube defects: an analysis of neighborhood and individual level socioeconomic characteristics. Poster presentation at the Society for Pediatric and Perinatal Epidemiologic Research Annual Meeting, Boston, MA, June 19, 2007.
2. Risk of neural tube defects: an analysis of neighborhood and individual level socioeconomic characteristics. Poster presentation at the Annual Meeting of the Teratology Society, Pittsburg, PA, June 23, 2007.
3. Maternal periconceptional smoking and alcohol consumption and risk for select birth defects. Platform presentation at the Annual Meeting of the Teratology Society, Pittsburg, PA, June 24, 2007.
4. Maternal periconceptional smoking and alcohol consumption and risk for select birth defects. Poster presentation at the Society for Pediatric and Perinatal Epidemiologic Research Annual Meeting, Chicago, IL, June 23, 2008.
5. Paternal Age and Congenital Malformations in Offspring in California, 1989-2002. Platform presentation at the Society for Pediatric and Perinatal Epidemiologic Research Annual Meeting, Anaheim, CA, June 24, 2009.
6. Risk of Cesarean Delivery When Second-Trimester Ultrasound Dating Disagrees with Definite Last Menstrual Period. Poster presentation at the Society for Pediatric and Perinatal Epidemiologic Research Annual Meeting, Anaheim, CA, June 24, 2009.
7. Early Childhood Development when Second-Trimester Ultrasound Dating Disagrees with LMP: A Prospective Cohort Study. Poster presentation at the Society for Pediatric and Perinatal Epidemiologic Research Annual Meeting, Seattle, WA, June 23, 2010.
8. Severe anemia, sickle cell disease, and Thalassemia as risk factors for preeclampsia in developing countries. Poster presentation at the Society for Epidemiologic Research Annual Meeting, Montreal, Canada, June 22, 2011.
9. Malarial infection as a risk factor for preeclampsia in Africa. Poster presentation at the Society for Pediatric and Perinatal Epidemiologic Research Annual Meeting, Minneapolis, MN, June 27, 2012.
10. Discussant for panel titled, "'Innovative Design and Analysis Issues in Fetal Growth Studies". Society for Epidemiologic Research Annual Meeting, Boston, MA, June 19, 2013

REFEREED PUBLICATIONS (*STUDENT MENTORED PAPERS)

1. Sowers, M., Scholl, T., **Grewal, J.**, Chen, X., & Jannausch, M. (2001). IGF-I, osteocalcin, and bone change in pregnant normotensive and pre-eclamptic women. *Journal of Clinical Endocrinology & Metabolism*, 86, 5898-5903.

2. **Grewal, J.**, Sowers, M.R., Randolph, J.F. Jr., Harlow, S.D., & Lin X. (2006). Low bone mineral density in the early menopausal transition: role for ovulatory function. *Journal of Clinical Endocrinology & Metabolism*, 91, 3780-3785.
3. **Grewal, J.**, Carmichael, S., Ma, C., Shaw, G., & Lammer, E. (2008). Maternal periconceptional smoking and alcohol consumption and risk for selected congenital anomalies. *Birth Defects Research. Part A, Clinical and Molecular Teratology*, 82, 519-526.
4. Mikolajczyk, R.T., Zhang, J., Ford, J, **Grewal, J.** (2008). Effects of Interpregnancy Interval on Blood Pressure in Consecutive Pregnancies. *Am J Epidemiol*, 168:422-426.
5. *Ford J, **Grewal J**, Mikolajczyk R, Meikle S, Zhang J. (2008). Primary cesarean delivery among parous women in the United States, 1990-2003. *Obstetrics and Gynecology*, 112, 1235-1241.
6. **Grewal J**, Carmichael SL, Song J, Shaw GM. (2009). Neural tube defects: an analysis of neighbourhood- and individual-level socio-economic characteristics. *Paediatric and Perinatal Epidemiology*, 23, 116-124.
7. Chatty-Johns S, Zhang J, Chen Z, Albert P, Klebanoff M, **Grewal J.** (2010) Long-term physical and neurologic development in newborn infants with isolated single umbilical artery. *Am J Obstet Gynecol.* 203, 368.e1-7.
8. **Grewal J**, Zhang J, Mikolajczyk RT, Ford J. (2010). Risk of Cesarean Delivery When Second-Trimester Ultrasound Dating Disagrees with Definite Last Menstrual Period. *Am J Perinatol.* 27, 587-93.
9. *Neta G, **Grewal J**, Mikolajczyk R, Klebanoff M, Zhang J. (2011). Does the individualized reference outperform a simple ultrasound-based reference applied to birth weight in predicting child neurodevelopment? *Ultrasound Obstet Gynecol.* 38, 62-66.
10. Zhang J, Mikolajczyk R, **Grewal J**, Neta G, Klebanoff M. (2011). Prenatal Application of the Individualized Fetal Growth Reference. *Am J Epidemiol.* 173, 539-543.
11. **Grewal J**, Carmichael SL, Yang W, Shaw GM. (2012). Paternal Age and Congenital Malformations in Offspring in California, 1989-2002. *Matern Child Health J.* 16, 385-392.
12. **Grewal J**, Wernicke M, Zhang J. (2012). Early Childhood Development when Second-Trimester Ultrasound Dating Disagrees with Last Menstrual Period: a Prospective Cohort Study. *BMC Pregnancy Childbirth.* 12, 32-37.
13. Laughon SK, Zhang J, **Grewal J**, Sundaram R, Beaver J, Reddy U. (2012). Induction of Labor in a Contemporary Obstetric Cohort. *Am J Obstet Gynecol.* 206:486.e1-9.
14. Zhang J, Kim S, **Grewal J**, Albert PS. (2012) Predicting large fetuses at birth: do multiple ultrasound examinations and longitudinal statistical modelling improve prediction? *Paediatric and Perinatal Epidemiology.* 26, 199-207.

15. Männistö T, Mendola P, **Grewal J**, Xie Y, Chen Z, Laughon SK. (2013) Thyroid diseases and adverse pregnancy outcomes in a contemporary observational cohort from the United States. *J Clin Endocrinol Metab.* 98(7):2725-33. [Epub ahead of print].