

BIOGRAPHICAL SKETCH

NAME	POSITION TITLE
Gregory A. Wellenius	Cardiology Fellow, Beth Israel Deaconess Medical Center

EDUCATION

INSTITUTION AND LOCATION	DEG	YEAR	FIELD OF STUDY
McGill University, Montreal, Quebec	B.Sc.	1996	Physiology
McGill University, Montreal, Quebec	M.Sc.	1999	Physiology
Harvard School of Public Health, Boston, MA	Sc.D.	2004	Environmental Health (Physiology), Epidemiology
Beth Israel Deaconess Medical Center, Boston		2004-Present	Postdoctoral Fellow, Cardiology

RESEARCH EXPERIENCE:

Summer 1994, 1995	Trainee, Veterinary Research and Resources Section National Eye Institute, NIH, Bethesda, MD
Summer 1996	Intern, Laboratory of Sensorimotor Research National Eye Institute, NIH, Bethesda, MD
1996 - 1998	Research Assistant, Aerospace Medical Research Unit McGill University, Montreal, Quebec
1999 - 2000	Research Specialist, Harvard School of Public Health , Boston, MA
2000 - 2004	Director, Electrocardiographic Analysis Laboratory Harvard School of Public Health, Boston, MA

HONORS:

1994, 1995	NIH Intramural Research Training Award
1997	McGill University Alumni Association Travel Award
2001-2004	NIH Institutional Training Grant
2003	ISEE Travel Award
2004	AHA Postdoctoral Fellowship Awardee (Declined)
2004	Edgar Haber Award in Biological Sciences

FULL LENGTH PUBLICATIONS:

1. **Wellenius GA**, Cullen KE. A comparison of head-unrestrained and head-restrained pursuit: influence of eye position and target velocity on latency. *Exp Brain Res.* 2000;133(2):139-55.
2. **Wellenius, GA**, Saldiva PHN, Batalha JRF, Krishna Murthy GG, Coull BA, Verrier RL, Godleski JJ. Electrocardiographic changes during exposure to residual oil fly ash (ROFA) particles in a rat model of myocardial infarction. *Toxicol Sci.* 2002;66:327-35.
3. **Wellenius GA**, Godleski JJ, Okabe K, Savage ST, Lawrence JE, Krishna Murthy GG, Koutrakis P, Coull BA, Verrier RL. Inhalation of concentrated ambient air particles exacerbates electrocardiographic changes during acute myocardial ischemia. *Environ Health Perspect.* 2003;111(4):402-8.

4. Kumar K, Nguyen P, Waxman S, Nearing BD, **Wellenius GA**, Zhao SX, Verrier RL. Potent antifibrillatory effects of intrapericardial nitroglycerin in the ischemic porcine heart. *J Am Coll Cardiol*. 2003;41(10):1831-7.
5. **Wellenius GA**, Batalha JRF, Diaz EA, Lawrence J, Coull BA, Katz T, Verrier RL, Godleski JJ. Cardiac effects of carbon monoxide and ambient particles in a rat model of acute myocardial infarction. *Toxicol Sci*. 2004;80(2):367-76.
6. González-Flecha B, Rhoden CR, **Wellenius GA**, Ghelfi E, Kobzik L. Oxidative stress and cardiac dysfunction in animals exposed to inhaled oxidants. *Res Rep Health Eff Inst*. In Press.
7. Rhoden CR, **Wellenius GA**, Ghelfi E, Lawrence J, González-Flecha B. PM-Induced cardiac oxidative stress and dysfunction are mediated by autonomic stimulation. *Submitted*.
8. **Wellenius GA**, Bateson TF, Mittleman MA, Schwartz J. Particulate air pollution and the risk of admission for congestive heart failure among Medicare beneficiaries in Pittsburgh, PA. *Submitted*.

SELECTED ABSTRACTS AND OTHER PUBLICATIONS:

1. Kumar K, Nguyen KP, **Wellenius GA**, Nearing BD, Verrier RL. Intrapericardial blockade of transient outward current (Ito) suppresses ischemia-induced T-wave alternans in closed-chest pigs [Abstract]. *PACE* 2001;24:544.
2. Gleason JD, Nguyen KP, **Wellenius GA**, Kirkham JC, Verrier RL. Intrapericardial procaine produces marked and prolonged reduction in vulnerability to vagally mediated atrial fibrillation [Abstract]. *PACE* 2001;24:600.
3. Coull BA, **Wellenius GA**. Cardiac Toxicology. In: Encyclopedia of Environmetrics. A. H. El-Shaarawi and W. W. Piegorsch (eds) New York: Wiley. 2002;1:271-272.
4. Savage ST, Lawrence JE, Coull BA, Okabe K, Wolde-Mariam W, **Wellenius GA**, Verrier RL and Godleski JJ. Hematologic responses to inhalation of concentrated air particles (CAPs) and transient myocardial ischemia (MI) [Abstract]. *Am J Respir Crit Care Med*. 2002;165:A304.
5. **Wellenius GA**, Bateson TF, Mittleman MA, Schwartz J. Particulate air pollution is associated with hospital admissions for congestive heart failure among the elderly in Pittsburgh, PA [Abstract]. *Epidemiology*. 2003;14(5):S83.
6. Lemos M, Rhoden CR, **Wellenius GA**, González-Flecha B. Autonomic blockade prevents CAPs-induced changes in cardiac oxidants, antioxidants, and function [Abstract]. *Am J Respir Crit Care Med*. In Press.
7. **Wellenius GA**, Zanobetti A, Mittleman MA, Schwartz J. Particulate air pollution and the risk of congestive heart failure in 5 US cities [Abstract]. *Epidemiology*. In Press
8. Rhoden, CR, **Wellenius G**, Ghelfi E, González-Flecha B. Oxidative stress and cardiac dysfunction in rats exposed to particulate matter for short-term [Abstract]. *Free Radic. Biol Med*. 2004;36: S96.
9. Fisman DN, **Wellenius G**, Tsang L, Mittleman MA. Meteorological factors associated with occurrence of meningococcal disease: A novel use of case-crossover study design [Abstract]. 2004 Annual meeting of the *Society for Healthcare Epidemiology of America*.