

**JOHNS HOPKINS PARTICULATE MATTER RESEARCH CENTER (JHPMRC)  
PUBLICATION LIST  
4/10/08**

*This list contains published articles only and does not list the current papers submitted, under revision or to appear shortly.*

**Center Summary**

Bell ML, Peng RD, Dominici F. The Exposure-Response Curve for Ozone and Risk of Mortality and the Adequacy of Current Ozone Regulations. *Environmental Health Perspectives*. 2006 Apr;114(4):532-6.

Bell ML, Dominici F, Ebisu K, Zeger SL, Samet JM. Spatial and Temporal Variation in PM<sub>2.5</sub> Chemical Composition in the United States for Health Effects Studies (2000-2005). *Environmental Health Perspectives*. 2007;115:989-995.

Bell ML, Kim JY, Dominici F. Potential Confounding of Particulate Matter on the Short-Term Association Between Ozone and Mortality in Multi-Site Time-Series Studies. *Environmental Health Perspectives*. 2007; 115(11):1591-1595.

Dominici F, Peng RD, Bell ML, Pham L, McDermott A, Zeger SL, Samet JM. [Fine particulate air pollution and hospital admission for cardiovascular and respiratory diseases](#). *Journal of the American Medical Association*. 2006;295(10):1127-34.

Dominici F, Peng RD, Zeger SL, White R H, Samet JM. Particulate Air Pollution and Mortality in the United States: Have the Risks Changed from 1987 to 2000? *American Journal of Epidemiology*. 2007; 166:880-888.

Dominici F, Peng RD, Ebisu K, Zeger SL, Samet JM, Bell ML. Does the Effect of PM<sub>10</sub> on Mortality Depend on PM Nickel and Vanadium Content? A Reanalysis of the NMMAPS Data. *Environmental Health Perspectives* 2007;115:1701-1703.

Dominici F, Peng RD, Zeger SL, White RH, Samet JM. Respond to "Heterogeneity of Particulate Matter Health Risks" *American Journal of Epidemiology* 2007;166, 892-893.

Eftim S, Janes H, McDermott A, Samet JM, Dominici F. A Comparative Analysis of the Chronic Effects of Fine Particulate Matter, *Epidemiology* 19,209-216.

Janes H, Dominici F, Zeger SL. Trends in Particulate Matter and Mortality in 113 U.S. Counties, 2000-2002: Evidence on the Long Term Effects of Air Pollution. *Epidemiology*. 2007;18:416-423 (with discussion).

Lang G, Goonewardena S, Moreno-Vinasco L, Wang T, Svensson E, Breyse P, Peng Y, Huang Y, Geyh A, Natarajan V, Samet JM, Natarajan Y, Prabhakar N, and Garcia JGN. Particulate Matter (PM) Exposure Triggers Ventricular Arrhythmias via Carotid Body/Autonomic Dysfunction in a Murine Model of Cardiomyopathy. (Abstract submitted to American Thoracic Society 2008 International Meeting).

Moreno L, Grabavoy A, Goonewardena S, Sammani S, Natarajan V, Breysee P, Geyh A, Samet JM, Garcia JGN. Biological Effect of PM exposure in a susceptible murine strain (Abstract submitted to EPA conference Oct 12<sup>th</sup> 06).

Peng R, Dominici F, Louis T. Model Choice in Multi-Site Time Series Studies of Air Pollution and Mortality. *Journal of the Royal Statistical Society, Series A*. 2006;169 Part 2:179-203.

Peng R, Dominici F, Zeger SL. Reproducible Epidemiological Research. *American Journal of Epidemiology*. 2006;163:783-789.

Symons JM, Wang L, Guallar E, Howell E, Dominici F, Schwab M, Ange BA, Samet JM, Ondov J, Harrison D, Geyh A. A Case-Crossover Study of Fine Particulate Matter Air Pollution and Congestive Heart Failure Hospitalization, *American Journal of Epidemiology*. 2006 Sep 1;164(5):421-33.

Thomas D, Jerrett M, Kuenzli N, Louis T, Dominici F, Zeger SL, Schwartz J, Burnett R, Krewski D, Bates D. Bayesian Model Averaging in Time-Series Studies of Air Pollution and Mortality. *Journal of Toxicology and Environmental Health*. 2007;Part A, 70:1-5.

T Wang, L Moreno-Vinasco, S Pendyala, ET Chiang, GD Lang, JM Samet, AS Geyh, PN Breyse, V Natarajan and JGN Garcia. Particulate Matter Disrupts the Endothelial Cell Barrier Function via Reactive Oxygen Species and p38 MAPK Dependent Pathways. (Abstract submitted to American Thoracic Society 2008 International Meeting).

Zhao Y, Usatyuk PV, Gorshkova IA, He D, Wang T, Moreno-Vinasco L, Geyh AS, Breysee PN, Samet JM, Spannhake E, Garcia JGN, and Natarajan V. Ambient Particulate Matter induces Cyclooxygenase-2 Expression and Interleukin-6 Release via Reactive Oxygen Species Dependent and Independent Pathways in Human Bronchial Epithelial Cells. (Abstract submitted to American Thoracic Society 2008 International Meeting).

### ***By Project:***

#### Project 1:

Bell ML, Peng RD, Dominici F. The Exposure-Response Curve for Ozone and Risk of Mortality and the Adequacy of Current Ozone Regulations. *Environmental Health Perspectives*. 2006 Apr;114(4):532-6.

Bell ML, Dominici F, Ebisu K, Zeger SL, Samet JM. Spatial and Temporal Variation in PM<sub>2.5</sub> Chemical Composition in the United States for Health Effects Studies (2000-2005). *Environmental Health Perspectives*. 2007;115:989-995.

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Dominici F, Peng RD, Ebisu K, Zeger SL, Samet JM, Bell ML. Does the Effect of PM10 on Mortality Depend on PM Nickel and Vanadium Content? A Reanalysis of the NMMAPS Data. *Environmental Health Perspectives* 115:1701–1703 (2007).

Dominici F, Peng RD, Zeger SL, White RH, Samet JM. Respond to “Heterogeneity of Particulate Matter Health Risks” *American Journal of Epidemiology* 2007;166, 892-893.

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#### Project 2:

#### Project 3:

Lang G, Goonewardena S, Moreno-Vinasco L, Wang T, Svensson E, Breyse P, Peng Y, Huang Y, Geyh A, Natarajan V, Samet JM, Natarajan Y, Prabhakar N, and Garcia JGN. Particulate Matter (PM) Exposure Triggers Ventricular Arrhythmias via Carotid Body/Autonomic Dysfunction in a Murine Model of Cardiomyopathy. (Abstract submitted to American Thoracic Society 2008 International Meeting).

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