

**Investigator(s):**

Andrea J. DeLeo, Fellow, Department of Neurology, Movement Disorder Section

**Project Title:**

Impact of Environmental Exposures on the Incidence and Natural History of Parkinson's Disease in Iowa Residents

**Year Funded:**

1998

**Amount Received:**

\$15,000

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**Investigator(s):**

Gary Hunninghake, Professor, Internal Medicine; Gunnar Gudmundsson, Fellow Associate, Internal Medicine

**Project Title:**

Effects of Endotoxin on the Expression of Hypersensitivity Pneumonitis

**Year Funded:**

1998

**Amount Received:**

\$15,000

**Publications:**

Gudmundsson G, Hunninghake GW. Interferon-gamma is necessary for the expression of hypersensitivity pneumonitis. *J Clin Invest*, 99:2389-2390, 1997.

Gudmundsson G, Monick MM, Hunninghake GW, IL-12 modulates expression of hypersensitivity pneumonitis. *J. Immunol*, 161:991-999, 1998.

Gudmundsson G, Hunninghake GW. Interleukin-10 modulates the severity of hypersensitivity pneumonitis in mice. *Am J Respir Cell Mol Biol*, 19:912-8, 1998.

Gudmundsson G, Monick MM, Hunninghake GW. Viral infection modulates expression of hypersensitivity pneumonitis. *J. Immunol*, 162:7397-7401, 1999.

Gudmundsson G, Hunninghake GW. Respiratory epithelial cells release interleukin-8 in response to a thermophilic bacteria that causes hypersensitivity pneumonitis. *Exp Lung Res*, 25:217-228, 1999.

Gudmundsson G. Cytokines in hypersensitivity pneumonitis. (PhD Thesis) University of Iceland, 2000.

Butler NS, Monick MM, Yarovinsky TO, Powers LS, Hunninghake GW. Altered IL-4 mRNA stability correlates with Th1/Th2 bias and susceptibility to hypersensitivity pneumonitis in two inbred strains of mice. *J. Immunol*. 169:3700-3709, 2002.

**Grant Awards:**

5M01RR000059-380804. G. Hunninghake, PI. Determinants of Disease Activity and Prognosis for Interstitial Lung Disease, 1999.

1P01ES009607-010003. G. Hunninghake, PI. Role of RSV Infection and Endotoxin In Airway Inflammation, 1999.

5P01ES009607-02. G. Hunninghake, PI. Airway Disease in Children from Rural Communities, 2000.

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**Investigator(s):**

Patrick T. O'Shaughnessy, Assistant Professor, Preventive Medicine and Environmental Health

**Project Title:**

Exposure Chamber Characterization and Automation

**Year Funded:**

1998

**Amount Received:**

\$15,000

**Publications:**

Stacy Hearne. Evaluation of grain-dust generating techniques. M. S. Thesis, 2000.

**Grant Awards:**

1K01OH000176-01. P. O'Shaughnessy, PI. Ventilation Control to Reduce Airborne Contaminants, 1999.

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**Investigator(s):**

William A. Groves, Assistant Professor, Preventive Medicine and Environmental Health

**Project Title:**

Field Evaluation of a Dermal Pesticide Exposure Assessment Algorithm

**Year Funded:**

1998

**Amount Received:**

\$15,000

**Publications:**

Groves WA, Reynolds SJ, Dosemeci M, Prince JR, Alvanja MC. Validation of a Dermal Pesticide Exposure Assessment Algorithm Using Video Imaging—Feasibility Survey and Pilot Study. In Press, 2004.

**Grant Awards:**

1K01OH000177-01A1. W. Groves, PI. System for Measuring Workplace Protection Factors, 1999.

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**Investigator(s):**

Jeffrey A. Kern, Associate Professor, Internal Medicine

**Project Title:**

Genetic Determinants of Lung Cancer; A Feasibility Study

**Year Funded:**

1998

**Amount Received:**

\$15,000

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**Investigator(s):**

Virend K. Somers, Associate Professor, Cardiology and Internal Medicine

**Project Title:**

Acute Effects of Passive Smoke Exposure on Endothelium-Dependent Vasodilation in Healthy Non-Smokers

**Year Funded:**

1998

**Amount Received:**

\$15,000

**Publications:**

Kato M, Roberts-Thomson P, Phillips BG, Narkiewicz, K, Haynes WG, Pesek CA and Somers VK. The Effects of Short-Term Passive Smoke Exposure on Endothelium-dependent and Independent Vasodilation. J Hypertension. In Press, 2004.

**Grant Awards:**

1R01HL061560-01, V. Somers, PI. Mechanisms Mediating Cardiovascular Responses to Smoking, 1999.