Investigator(s):
Thomas B. Casale, Professor, Internal Medicine; Victoria M. Steelman, Ph.D. Candidate, College of Nursing; Rita Frantz, Associate Professor, College of Nursing

Project Title:
Prevalence and Risk Factors of Adverse Reactions to Products Containing Natural Rubber Among Nursing Staff

Year Funded:
1996

Amount Received:
$15,000

Publications:

Investigator(s):
Alan B. Moy, Assistant Professor, Internal Medicine

Project Title:
Development of an In Vitro Human Airway Model to Study LPS-Induced Airway Dysfunction

Year Funded:
1996

Amount Received:
$15,000

Grant Awards:
Regulation of Lung Edema Based on a Tensegrity Paradigm. American Lung Association-Clinical Investigator Award. $105,000

Regulation of Lung Edema Based on a Tensegrity Paradigm. NIH 1RO1HL60629. $1,866,631.

Role of Endothelial Integrins on Inflammatory Edema. NIH 1RO1GM59734. $1,525,964.

Investigator(s):
Raymond J. Hohl, Associate Professor, Internal Medicine; David M. Gustin, Post-doctoral Fellow, Internal Medicine

Project Title:
Abnormalities of RAS Expression in Noninvasive Bladder Carcinoma
Year Funded:
1996

Amount Received:
$15,000

Publications:


Grant Awards:
5M01RR00059-350859. R. Hohl, PI. High Dose Lovastatin for Treatment of RAS Oncogene Associated Malignancies, 1996. $15,000

Investigator(s):
Vicki H. Grassian, Assistant Professor, Department of Chemistry

Project Title:
Reactions of Atmospheric Gases on Model Tropospheric Aerosols

Year Funded:
1996

Amount Received:
$15,000

Publications:


Preszler Prince, A., J. Wade, J., Grassian, V. H., Kleiber, P. and Young, M. A., Heterogeneous Reactions of Soot Aerosols with Nitrogen Dioxide and Nitric Acid Studied in an Atmospheric Chamber Atmos. Env. 2002, 36, 5729-5740.


Al-Abadleh, H. A. and V. H. Grassian Oxide Surfaces as Environmental Interfaces Surface Science Reports 2003, 52, 63-161 (Invited Review Article).


**Grant Awards:**
A combined experimental and computational study of troposphere chemistry on aerosol surfaces. Department of Energy. $473,000.

Postdoctoral opportunities in laboratory and modeling studies of environmental and atmospheric chemistry at the University of Iowa. Camille and Henry Dreyfus postdoctoral program in Environmental Chemistry. $96,000.

Thermal and photo-assisted reactions on metal oxide particles. National Science Foundation. $275,000.

Chemical Reactions of Environmental and Atmospheric Relevance on the Surface of Oxoide Particles. (2000 - 2005) National Science Foundation. $629,000. (PI: Vicki H. Grassian; note this includes a two-year creativity extension for $275,000 )

The role of heterogeneous chemistry in the photochemical oxidant cycle: a combined laboratory and modeling study. Dept. of Energy. $640,824.

Investigator(s):
Joel N. Kline, Assistant Professor, Division of Pulmonary Medicine

Project Title:
Effects of CpG Oligonucleotides on a Murine Model of Eosinophilic Airways Inflammation

Year Funded:
1996

Amount Received:
$15,000

Publications:


Grant Awards:
Modulation of eosinophilic lung inflammation by CpG DNA. NIH, R01 HL 59324. $350,000.

Effect of CpG DNA on asthma inflammatory response. American Lung Association Research Grant. $50,000.

CpG Motifs in Plasmid DNA as Barrier to Gene Transfer. NIH 5M01RR000059-391044.