

Investigator(s):

Jennifer Fiegel, Assistant Professor, Department of Pharmaceutical Science and Experimental Therapeutics/Department of Chemical and Biochemical Engineering; Thomas Peters, Assistant Professor, Department of Occupational and Environmental Health; Peter Thorne, Professor, Department of Occupational and Environmental Health

Project Title:

Role of agglomeration state of engineered nanomaterials on pulmonary cell fate and toxicity

Year Funded:

2010

Amount Received:

\$30,000

Investigator(s):

Vicki Grassian, Professor, Department of Chemistry; Peter S. Thorne, Professor, Department of Occupational and Environmental Health; Jonas Baltrusaitis, Assistant Research Scientist, Department of Chemistry and Central Microscopy Research Facility

Project Title:

Transformations of metal-containing aerosols upon exposure to atmospheric gases and its impact on toxicity

Year Funded:

2010

Amount Received:

\$30,000

Investigator(s):

Hans-Joachim Lehmler, Research Scientist, Department of Occupational and Environmental Health; Paul A. Romitti, Associate Professor, Department of Epidemiology, Mark G.A. Lebeck, Graduate Research Assistant, Department of Occupational and Environmental Health

Project Title:

Assessing regional variation of herbicide and total effective xenoestrogen urine levels among Iowa families - Towards linking herbicide exposure and birth defects

Year Funded:

2010

Amount Received:

\$30,000

Investigator(s):

Nukhet Aykin-Burns, Assistant Research Scientist, Free Radical and Radiation Biology Program; Prabhat Goswami, Associate Professor, Free Radical and Radiation Biology Program; Jackie R. Bickenbach, Department of Anatomy and Cell Biology

Project Title:

Effects of mitochondrial derived reactive oxygen species on migration of human skin keratinocytes following UV radiation

Year Funded:

2010

Amount Received:

\$29,600

Investigator(s):

Anne E. Kwitek, Associate Professor, Departments of Internal Medicine and Molecular Physiology and Biophysics; Hans-Joachim Lehmler, Research Associate Professor, Department of Occupational and Environmental Health; Xianai Wu, Postdoctoral Fellow, Department of Occupational and Environmental Health

Project Title:

Metabolic and transcriptional effects of developmental N-EtFOSE exposure in rat genetic models of metabolic syndrome: Gene-environment interactions and fetal programming of adult disease

Year Funded:

2010

Amount Received:

\$49,960

Investigator(s):

Tara C. Smith, Assistant Professor, Department of Epidemiology; Kelley J. Donham, Professor, Department of Occupational and Environmental Health; Patrick T. O'Shaughnessy, Professor, Department of Occupational and Environmental Health; Steven J. Hoff, Professor, Department of Agricultural and Biosystems Engineering, Iowa State University

Project Title:

Assessment and mitigation of airborne transmission of Methicillin-resistant Staphylococcus aureus in animal feeding operations and the outdoor environment.

Year Funded:

2010

Amount Received:

\$29,877