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## Biography

- Dr. Shukla received her Ph.D. in Biochemistry from Banares Hindu University in 1988. She was a post-doctoral research associate at the University of Michigan, and a scientist (Pool Officer) and scientist-fellow at the Central Drug Research Institute in Lucknow, India, before coming to UVM in 1997 as a visiting scientist. She is currently a research assistant professor in the Department of Pathology.



# Air & Water Borne Diseases

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- Shukla research interest include Applied cellular, molecular biology and cell signaling pathway.



## **Publications**

### **Current Therapies for Malignant Mesothelioma**

Anurag Shukla and Arti Shukla

### **Asbestos Risks: Past and Present**

Joyce Thompson and Arti Shukla

# **Inhaled Particulate Matter Causes Expression of Nuclear Factor (NF)- $\kappa$ B-Related Genes and Oxidant-Dependent NF- $\kappa$ B Activation In Vitro**

Arti Shukla, Cynthia Timblin, Kelly Berube, Terry Gordon, Willie McKinney, Kevin Driscoll, Pamela Vacek, and Brooke T. Mossman

**Multiple roles of oxidants in the pathogenesis of asbestos-induced diseases.**

Arti Shukla, Mary Gulumian, Tom K. Hei, David Kamp, Qamar Rahman, Brooke T. Mossman



**Silica-induced Activation of c-Jun-NH<sub>2</sub>-Terminal Amino Kinases, Protracted Expression of the Activator Protein-1 Proto-Oncogene, fra-1, and S-Phase Alterations Are Mediated via Oxidative Stress 1**

Arti Shukla, Cynthia R. Timblin, Andrea K. Hubbard, Jonathan Bravman, and Brooke T. Mossman

**Ultrafine Airborne Particles Cause Increases in Protooncogene Expression and Proliferation in Alveolar Epithelial Cells**

Cynthia R. Timblina, Arti Shuklaa, Ingrid Berlangera, Kelly A. BeruBeb, Andrew Churgc, Brooke T. Mossmana



## **Alterations in Gene Expression in Human Mesothelial Cells Correlate with Mineral Pathogenicity**

Arti Shukla<sup>1\*</sup>, Maximilian B. MacPherson<sup>1\*</sup>, Jedd Hillegass<sup>1</sup>, Maria E. Ramos-Nino<sup>1</sup>, Vlada Alexeeva<sup>1</sup>, Pamela M. Vacek<sup>2</sup>, Jeffrey P. Bond<sup>3</sup>, Harvey I. Pass<sup>4</sup>, Chad Steele<sup>5</sup>, and Brooke T. Mossman<sup>1</sup>

## **Inflammation precedes the development of human malignant mesotheliomas in a SCID mouse xenograft model**

Jedd M. Hillegass, Arti Shukla, Sherrill A. Lathrop, Maximilian B. MacPherson, Stacie L. Beuschel, Kelly J. Butnor, Joseph R. Testa, Harvey I. Pass, Michele Carbone, Chad Steele and Brooke T. Mossman

## **Asbestos-Induced Peribronchiolar Cell Proliferation and Cytokine Production Are Attenuated in Lungs of Protein Kinase C- $\delta$ Knockout Mice**

Arti Shukla, Karen M. Lounsbury, Trisha F. Barrett, Joanna Gell, Mercedes Rincon, Kelly J. Butnor, Douglas J. Taatjes, Gerald S. Davis, Pamela Vacek, Keiichi I. Nakayama, Keiko Nakayama, Chad Steele, Brooke T. Mossman.

## **Activation of NF- $\kappa$ B-dependent gene expression by silica in lungs of luciferase reporter mice**

Andrea K. Hubbard, Cynthia R. Timblin, Arti Shukla, Mercedes Rincón, Brooke T. Mossman



## **Assessing nanotoxicity in cells in vitro**

Jedd M. Hillegass, Arti Shukla, Sherrill A. Lathrop, Maximilian B. MacPherson, Naomi K. Fukagawa and Brooke T. Mossman.

## **Asbestos-Induced Apoptosis Is Protein Kinase C $\delta$ -Dependent**

Arti Shukla, Maria Stern, Karen M. Lounsbury, Trisha Flanders, and Brooke T. Mossman

# Journal of Air & Water Borne Diseases Related Journals

- Journal of Bacteriology & Parasitology
- Journal of Medical Microbiology & Diagnosis
- Journal of Microbial & Biochemical Technology
- Journal of Plant Pathology & Microbiology
- Journal of Vaccines & Vaccination



# Journal of Air & Water Borne Diseases Related Conferences

- Allergy Conference
- 4th Bacteriology and Infectious Diseases Conference
- 2nd Infectious Diseases Congress



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