

2.B In vitro studies

- PB-06 **Cytotoxicity and DNA Damage induced by Carbon Nanotubes on Human Bronchial Epithelial Cells**
J. Jang, S. Kim, J. Yang, I. Choi, D. Shin (*Institute for Environmental Research, Republic of Korea*)
- PB-07 **Dendrimer Toxicity and Intracellular Localization in Primary Neuronal Cells**
G. Bardi, L. Albertazzi, L. Gherardini, A. Bifone, F. Beltram (*Italian Institute of Technology, Italy*)
- PB-08 **Colloidal Silver Nanoparticles Cause Size-dependent Cytotoxicity, Inflammatory Effects, and Oxidative Stress in Mammalian Cells**
K. Nguyen, V. Seligy, P. Rippstein, A. Tayabali (*Health Canada, Canada*)
- PB-09 **Genotoxicity of Nanocellulose Whiskers and Non-nanoscale Cellulose in Human Bronchial Epithelial Cells In Vitro**
K. Hannuakainen, J. Catalán, J. Catalán, H. Järventaus, E. Kontturi, E. Vanhala, K. Savolainen, H. Norppa (*Finnish Institute of Occupational Health, Finland*)
- PB-10 **A New Device for Nanoparticle Cytotoxicity Screening In Vitro based on Thermophoresis**
D. Brossell, S. Plitzko, N. Dziurawitz, E. Gierke, V. Bachmann, G. Linsel, C. Asbach, N. Azong-Wara, H. Fissan, B. Stahlmecke, T. A. J. Kuhlbusch, H. Horn, A. Schmidt-Ott (*Institute for Occupational Safety and Health (IFA), Germany*)
- PB-11 **In Vitro Assessment of Pulmonary Fibrogenic Potential of Multi Wall Carbon Nanotubes**
A. Mishra, Y. Rojanasakul, L. Wang (*National Institute for Occupational Safety and Health, United States*)
- PB-12 **Real Time Gene Expression Reveals Impact of Nano-Titanium Dioxide (Anatase) Exposure on Metabolic Pathways in E. Coli**
A. Gu, N. Gou (*Northeastern University, United States*)
- PB-13 **A Novel Type of Silver Nanoparticles and their Advantages in Toxicity Testing in Cell Culture Systems**
M. Alexandre, A. Hasse, P. Graff, J. Plendl, A. Mašić, A. Thuenemann, W. Meier, A. Luch, A. Taubert (*Federal Institute for Risk Assessment (BfR), Germany*)

2.C Biomarkers of engineered nanoparticle exposure

- PB-15 **Genomics-based Screening of Expressed Genes in Rat Lungs Intratracheally instilled with C(60) Fullerenes**
K. Fujita, Y. Morimoto, S. Endoh, K. Uchida, H. Fukui, A. Ogami, I. Tanaka, M. Horie, H. Iwahashi, J. Nakanishi (*National Institute of Advanced Industrial Science and Technology, Japan*)
- PB-16 **Moving Towards a Biomonitoring Approach for Assessing Health Effects of Engineered Nanomaterials (ENM): Challenges and Perspectives**
E. Bergamaschi, A. Pietroiusti, L. Migliore (*University of Parma Medical School, Italy*)

2.E Adsorption, distribution, de-agglomeration, metabolism and excretion studies

- PB-17 **Understanding the Importance of Surface Adsorption in Cellular Uptake of Silver Nanoparticles**
F. Zhang, B. Lau, E. Bruce (*Baylor University, United States*)