

SELECTED PUBLICATIONS

Jason H. Winnike, **Zhen Li**, Fred A. Wright, Jeffrey M. Macdonald, Thomas M. O'Connell, Paul B. Watkins (2009) Early prediction of acetaminophen induced hepatotoxicity in humans with pharmaco-metabonomics. *Nature*, submitted.

Shi et al (2009). The MAQC-II Project: A comprehensive study of common practices for the development and validation of microarray-based predictive models. *Nature Biotechnology*. submitted.

Z Li, FA Wright and JE Royland. Age-dependent Variability in Gene Expression in Fisher 344 Rat Retina. *Toxicological Sciences*. 2009 Jan;107(1):281-92.

Joshua A Harrill, **Zhen Li**, Fred A Wright, Kevin M Crofton Transcriptional response of rat cerebrocortical tissue following acute exposure to the pyrethroid insecticide permethrin or deltamethrin. *BMC Genomics*. 2008 Nov 18;9:546.

Richard Judson, Fathi Elloumi, Woodrow R Setzer, **Zhen Li**, Imran Shah (2008) A Comparison of Machine Learning Algorithms for Chemical Toxicity Classification Using a Simulated Multi-Scale Data Model *BMC Bioinformatics*, Vol. 9, 241.

Handberg, Roger and **Zhen Li** (2006). *Chinese Space Policy* Routledge. London and New York

Li, Zhen. 2003. "Quadratic Equation". *The Sage Encyclopedia of Social Science Research Methods*, ed. Michael Lewis-Beck, Alan E. Brvman and Tim Futing Liao. Sage Publication

Li, Zhen and Roger Handberg. 2002. "The Central Dilemma of China's S&T Policy". *Bulletin of Science, Technology & Society*. Volume 22, No. 6. pp 484-495

Li, Zhen and Kai Li. 2001. *E Brands* (Translation). China Machine Press, Beijing.

SELECTED CONFERENCE PRESENTATIONS

Zhen Li, Ivan Rusyn, Fred A Wright (2009) Dose-response pathway analysis for gene expression microarrays. Symposium on Toxicity Pathway-Based Risk Assessment: Preparing for Paradigm Change. The National Academy of Sciences. Washington DC. USA

Fred A. Wright, **Zhen Li**, Hanwen Huang, Arpita Ghosh, Wei Sun, Fei Zou, Ivan Rusyn (2009). Prediction of *in vivo* toxicity endpoints from ToxCast Phase I data using a variety of machine learning approaches. ToxCast Data Analysis Summit. EPA Campus, Research Triangle Park, NC, USA.

Fathi Elloumi, Richard Judson, David Dix, Imran Shah, Thomas Knudsen, David Reif, Amar Singh, **Zhen Li**, Fred Wright (2009). Response Profiles from Toxicogenomics Data. The 48th Annual Meeting of the Society of Toxicology. Baltimore, USA

David Dix, Richard Judson, Fathi Elloumi, **Zhen Li**, Fred A. Wright, David Reif, Daniel Rotroff, Amar Singh, Thomas Knudsen, Keith Houck (2008). The Analysis of Genomic Dose-Response Data in the EPA ToxCast Program. SRA Annual Meeting, Boston, USA

Zhen Li, Richard Judson (2008). EPA Analysis for MAQC Toxicogenomics Datasets (Hammer Approach). The 8th MAQC Project Meeting Development and Validation of Predictive Models. March 24–26, 2008, Washington DC, USA.

Z Li, F Elloumi, FA Wright (2008). Chemical Toxicity Prediction for Toxicogenomics Studies. The 47th Annual Meeting of the Society of Toxicology. Seattle, USA.

Kavlock, RJ, Dix, D, Judson, R, **Li, Z**, Martin, M, Richard, A Setzer, W and Houck, K (2007). USEPA's ToxCast Program for Predicting Hazard and Prioritizing Toxicity Testing of Environmental Chemicals. 6th World Congress on Alternatives & Animal Use in the Life Sciences. Tokyo, Japan.

David Dix, Richard Judson, Robert Kavlock, **Zhen Li**, Matthew Martin, Ann Richard, Woodrow Setzer, Keith Houck (2007). EPA's ToxCast Program for Predicting Hazard and Prioritizing Toxicity Testing of Environmental Chemicals. International Science Forum on Computational Toxicology. Research Triangle Park, USA

David J. Dix, Matthew T. Martin, **Zhen Li**, Richard Judson, Keith A. Houck. Development of EPA's ToxCast Program for Prioritizing the Toxicity Testing of Environmental Chemicals (2007). Annual Meeting of Society for Biomolecular Sciences, Montreal, Canada

Z Li, FA Wright and JE Royland (2007). Significance Analysis of Variation Change in Gene Expression Studies. 15th Annual International Conference on Intelligent Systems for Molecular Biology & 6th Annual European Conference on Computational Biology, Vienna, Austria.

Jason H. Winnike, **Zhen Li**, Fred A. Wright, Jeffrey M. Macdonald, Thomas M. O'Connell, Paul B. Watkins (2007) Pharmaco-Metabolomics and the Prediction of Hepatotoxicity. The Research Triangle Park, Drug Metabolism Discussion Group. The Research Triangle Park, USA.

Z Li, FA Wright and JE Royland (2007). Age-Dependent Heterogeneity of Gene Expression in Fisher 344 Rat Retina. The 46th Annual Meeting of the Society of Toxicology, Charlotte, USA.

T Gerhard, AG Winterstein, **Z Li**, P Garman, S Linden, J Shuster, M Johnson (2006) Demographic Differences in Central Nervous System Stimulant (CNSS) Use in Children and Adolescents with Attention Deficit Hyperactivity Disorder (ADHD): A Study of Florida Medicaid Beneficiaries 1994-2004. 2006 American Congress of Epidemiology

AG. Winterstein, T. Gerhard, J. Shuster, **Z. Li**, P. Garman, S. Linden, H. Liu, M. Johnson (2006). Incidence and Prevalence of Central Nervous System Stimulant (CNSS) Use in Children and Adolescents with Attention Deficit Hyperactivity Disorder (ADHD): a Study of Florida Medicaid Beneficiaries 1994-2004. 2006 American Congress of Epidemiology