



# 1<sup>st</sup> International Conference on **T**oxicogenomics **I**ntegrated with **E**nvironmental **S**ciences (TIES)

- Bridging the toxicogenomics and environmental genomics communities through bioinformatics

**October 25-26, 2007**

**The McKimmon Center of North Carolina State University, NC**

<http://www.ties-conference-2007.org>



## Keynote speakers:

- Kenneth S Ramos, *Unraveling Genetic Regulatory Networks of Mammalian Retroelements*
- Jürgen Borlak, *The next innovation cycle: Linking toxicogenomics to environmental epigenetics*
- Randy Jirtle, *Maintenance of Genomic Imprinting via Epigenetic Factors*
- David Threadgill, *Epigenetics: The Link Between Fetal Exposure and Adult Disease Susceptibility*

## Presenters:

- Greg Gibson, *Genetic and Environmental Impacts on Gene Expression Variation in Peripheral Blood*
- Laura Heiser, *From genomics to pathways: toward understanding the role of EGFR/MAPK signaling in breast cancer*
- Ivan Rusyn, *Genetical Genomics and Liver Toxicology: Making New Friends*
- Zhiyuan Hu, *Surface plasmon resonance based antibody microarray--a new tool for systems biology*
- Peter Covitz, *Organization and Infrastructure of the Cancer Biomedical Informatics Grid*
- Allan Hubbard, *Combining prediction and explanation: using variable importance measures inspired from causal inference for biomarker discovery*
- Daniel Liebler, *Protein damage and its consequences*
- Zheng Li, *Integrating gene expression and metabolic profiles to identify gene targets and pathways modulating liver toxicity*
- Yang Kim, *Recent progress in toxicogenomics research in South Korea*

## MAQC special session:

- Leming Shi: An overview of the MicroArray Quality Control (MAQC) project
- Wendell Jones: MAQC-I - Findings and conclusions
- Russ Wolfinger: Reproducibility in microarray analysis - Put your 3D-glass on
- Anne Lucas: Evaluation of external RNA controls for the assessment of microarray performance
- Tucker Patterson: Performance comparison of one-color and two-color platforms
- Richard Shippy: Using RNA sample titrations to assess microarray platform performance and normalization techniques
- Federico Goodsaid: Evaluation of DNA microarray results with quantitative gene expression platforms
- Ed Lobenhofer: Rat toxicogenomic study reveals analytical consistency across microarray platforms

## **Registration:**

	<u>on-line</u>	<u>on-site</u>
Student:	\$50	\$80
Government:	\$125	\$200
Industry:	\$225	\$300

## **Contact Information:**

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## **Organized by**

