



# Affymetrix

*and*

The Centre for Applied Genomics, **SickKids**

## *Microarray Symposium*

Thursday, June 15<sup>th</sup> 2006, 10:00am - 1:00pm

The Hospital for Sick Children, 1<sup>st</sup> Floor, Main Auditorium,  
555 University Avenue, Toronto

- **GeneChip® Tiling Arrays for Chip-on-Chip, Transcript Mapping and Other Whole Genome Experiments**
- **GeneChip® Exon Array System - Robust Gene Expression and Alternative Splicing Analysis on a Single Array**
- **Leading the Way in Genetic Discovery: Affymetrix Tools for DNA Analysis**

Lunch will be sponsored by Affymetrix and served in the Rotunda after the seminar  
Please confirm attendance via e-mail at [eric\\_leblond@affymetrix.com](mailto:eric_leblond@affymetrix.com)

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### ***GeneChip® Tiling Arrays for Chip-on-Chip, Transcript Mapping and Other Whole Genome Experiments***

GeneChip Tiling Arrays for human, mouse, Arabidopsis, *C.elegans*, *S.pombe* and *S.cerevisiae* will be introduced. The presentation will include an overview of the recent work with GeneChip Tiling Arrays in several genomic applications. Details will be provided on high resolution array designs, chromatin immunoprecipitation assay, and data analysis software.

**Alicia Burt, Senior Marketing Manager, AFFYMETRIX, INC.**

### ***GeneChip® Exon Array System - Robust Gene Expression and Alternative Splicing Analysis on a Single Array***

GeneChip Exon Arrays for human, mouse, and rat are the latest expression microarrays from Affymetrix. With a single array, it provides both gene-level expression profiling and genome-wide alternative splicing analysis for the first time, supporting more in-depth understanding of two central biological mechanisms that are critical in development, differentiation, and disease pathogenesis. Using the most advanced genome-based design, the Exon Arrays enable the integration of expression, alternative splicing, and other genomic information easily and conveniently to provide a view of systems biology. The array design principle, assay strategy, and data analysis solutions will be discussed.

**Alicia Burt, Senior Marketing Manager, AFFYMETRIX, INC.**

### ***Leading the Way in Genetic Discovery: Affymetrix Tools for DNA Analysis***

Affymetrix has pioneered the way in genetic discovery. With the researcher's need to reach the next level of discovery, Affymetrix has continued to push the limits of the technology to develop products that enable solutions for each step of the complex genetic analysis workflow. On a single platform, you can perform whole genome association studies, targeted genotyping and replication studies, copy number analysis, and re-sequencing. The powerful combination to perform all of these applications is important in the gene discovery pathway to obtain a better understanding of the underlying contributing genetic factors to a particular disease. Finally, Affymetrix has enabled the ability to integrate your genetic analysis data with downstream analyses such as gene expression to complete a multi-dimensional genome analysis. Genetic analysis solutions and applications enabled by our Whole Genome Mapping Arrays, Targeted Genotyping products, and CustomSeq re-sequencing arrays will be presented.

**Rebecca Enigk, Ph.D., Genotyping Specialist, AFFYMETRIX, INC.**