

# TIME CHANGE

## TCAG New Technologies Seminar

“Direct, Digital Gene Expression Profiling Using Single Molecule Fluorescent Barcodes”

**Date:** Wednesday Oct. 22, 2008  
**Time:** 11:00 – noon  
**Location:** Room 14-203, MaRS TMDT  
101 College St.

**Speaker:** Dr. Sean Ferree  
Research and Development Manager  
NanoString Technologies

As profiled recently in Nature Biotechnology (NBT 3/08, p317-325), NanoString's nCounter Analysis System is a fully automated system for the next generation of digital gene expression analysis. This unique technology utilizes fluorescent barcodes hybridized to individual mRNA molecules to directly count the relative abundance of each transcript of interest in a sample. The assay is performed without any enzymology whatsoever (no RT, no IVT, no PCR), enabling multiplexed profiling of 10 to 500+ genes, with remarkable speed, sensitivity, and precision. In this seminar we will discuss the basic technology, applications, and performance of the system.

Hosted by The Centre for Applied Genomics and  
the Ontario Genomics Institute



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The Future is in Our Genes.