

# TCAG New Technologies Seminar

## Pyrosequencing® and the RotorgeneQ: Innovative Real Time Technologies for SNP, Somatic Mutation, and DNA Methylation Analysis

**Date:** Monday, Nov. 28  
**Time:** 2:00- 3:00 PM  
**Location:** Room 14-203, MaRS TMDT  
101 College St.

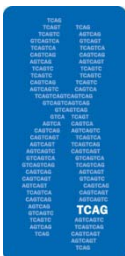
**Speaker:** Frank Fischinger, MS, MBA,  
Senior Technical Sales Scientist,  
Pyromark Applications, Qiagen

Pyrosequencing™ is a real time, quantitative sequencing technology that was first developed by Dr. Pål Nyrén from Stockholm's Royal Institute of Technology. The technology was further enhanced by Biotage's Biosystems, and later acquired by QIAGEN in late 2008.

Since the first Pyrosequencing™ instruments were sold in 2000, scientists have used this next generation sequencing chemistry in various academic, clinical and industrial settings for many different purposes. It has become the gold standard for CpG Methylation analysis. In this **seminar** the following topics will be discussed:

- The fundamental concepts of Pyrosequencing™ technology
- Demonstrations of how researchers are currently using QIAGEN's Pyromark™ systems for SNP, Somatic Mutation and CpG Methylation analysis.
- Epigenetics workflow – CpG methylation research using Pyrosequencing along with other QIAGEN solutions: Epitect Bisulfite Conversion Kits, Pyromark™ PCR Reagents, and HRM platform – the Rotor-Gene Q.

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



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