# TCAG New Technologies Seminar

## shRNA Libraries – Expanding the RNAi Toolkit.

**Date:** Friday, October 12th, 2007
**Time:** 12:30 – 2:00
**Location:** Room 14-203, MaRS TMDT
101 College St.
**Speaker:** Troy Moore
Chief Technology Officer
Open Biosystems, Inc.

**Expression ArrestTM libraries incorporate features to increase specificity of gene knockdown, and improve screening efficiency.**
MicroRNA-adapted shRNA (shRNAmir) libraries were developed in collaboration with Greg Hannon (Cold Spring Harbor Labs) and Steve Elledge (Harvard). shRNAmir constructs are designed to mimic natural microRNA, enabling specific processing by the endogenous RNAi pathway. Each gene-specific shRNAmir sequence is based on thermodynamic criteria for optimal small RNA performance. Unique lentiviral vector designs lend the benefit of transduction by lentivirus in a broad range of cell lines. New inducible vectors are expanding the utility of the shRNAmir libraries.

## There will be a roundtable discussion following the seminar. All are welcome.

### Hosted by The Centre for Applied Genomics

**Contact**
Dennis McCormac
Director, Platform Development
Ontario Genomics Institute
e-mail: dmccormac@ontariogenomics.ca
Tel: (416) 673-6590
www.tcag.ca