

TCAG New Technologies Seminar

Applications in Clinical and Translational Research

Date: Wednesday, Sept. 21
Time: 10:30-11:30 AM
Location: Room 14-203, MaRS TMDT
101 College St.

Speaker: Tarif Awad, Ph.D.
Sequenom, Inc.

A variety of genomic biomarkers with potential clinical utility continue to be discovered as microarrays and next-gen sequencing tools are applied more broadly in clinical research. The key challenge in translating these markers into clinical applications lies in their validation across larger relevant populations. Technology requirements for biomarker validation are distinct from those for discovery, with throughput, flexibility, affordability, and data accuracy demands being significantly higher for validation. The Sequenom MassARRAY platform addresses these demands with a flexible set of tools that enable genomic clinical and translational research. Examples from current studies and internal research will be presented to illustrate the utility of MassARRAY technology in validating different biomarker classes, including SNPs and mutations, gene expression profiles, and epigenetic markers.

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



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