

TCAG New Technologies Seminar

Next Generation Targeted Sequence Capture using the Geniom® Technology Platform

Date: Friday, April 25th, 2008
Time: 1:00-2:00 PM
Location: Room 14-203, MaRS TMDT
101 College St.

Speaker: Dr. Stefan Matysiak
Vice President & General Manager
febit, Inc.

Identifying gene variants associated with diseases or phenotypic traits requires resequencing of targeted genomic regions. A current limitation of all next generation sequencing (NGS) technologies is the inability to specifically target desired fragments within large, eukaryotic genomes. The Geniom DNA microarray platform combined with HybSelect™ sequence capture protocols reduces the complexity of genomic samples for more accurate and efficient sequencing using any NGS instrumentation. This presentation will describe Geniom technology and results of the latest developments for Hybselect targeted DNA extraction, currently offered as part of febit's early access program. The early access program includes pilot studies for targeted capture of your DNA fragments through our technical services group; production of custom designed target probe chips for use with the automated Geniom RT Analyzer, and co-development and optimization of protocols for use with the Geniom One, our flagship technology offering individual researchers the opportunity to custom design their own target probe chips for NGS targeted sequence capture.

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



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