

Genomics Meets Proteomics Using QuantiGene FlowRNA: Insights Begin in a Single Cell:

Tuesday April 15, 2014

10h00 – 11h30

Karp Conference room 501, Cancer Research Centre, McGill

Presented by Sue Reynolds

Application Scientist

The QuantiGene® FlowRNA Assay is a novel *in situ* hybridization assay enabling simultaneous detection of up to three RNA targets using **flow cytometry**. The assay combines a dual oligonucleotide probe design, novel chemistry and branched DNA (bDNA) signal amplification to detect RNA transcripts in single cells. Additionally, the protocol is compatible with cell surface staining methods for simultaneous detection of proteins on the same sample allowing an in-depth, high content analysis of complex cell populations. Microarray and sequencing of heterogeneous cell populations only provides a broad, comprehensive analysis of gene expression data. Using the QuantiGene FlowRNA assay, specific cell populations can be analyzed for either a unique transcript expression alone or in combination with surface markers to develop unique biosignature profiles, making it highly applicable in studying immune responses and stem cell biology.

For more information please contact:

Martin Bourbonnière
Account Manager
martin.bourbonniere@ebioscience.com
514-476-6155

