

# Global Biomarker Conference 2009

## Agenda

### Thursday, March 19

- 7:30 – 8:40     **Breakfast and Registration**
- 8:40 – 8:45     **Welcome and opening address**
- ❖     Chair: **Neil Winegarden**, UHN Microarray Centre, Toronto
- 8:45 – 9:10     **Dr. Marianne D. Sadar**, Genome Sciences Centre, BC Cancer Agency  
*“Characterization of novel biomarkers of prostate cancer”*
- 9:10 – 9:35     **Dr. Michael Whitfield**, Hanover, NH, USA  
*“Gene expression biomarkers to identify clinical and molecular subsets in scleroderma”*
- 9:35 – 10:00     **Dr. Ismail Abdullahi**, Canadian Food Inspection Agency  
*“Microarray Detection of Plant Viruses: Antibody vs. Oligonucleotide”*
- 10:00 – 10:20     **Best Student Abstract Award Presentation by Dr. Don Rix, CM, OBC**
- 10:20 – 10:35     **Coffee Break, Exhibits & Poster Session**
- ❖     Chair: **Dr. Michael A. Damore**, Amgen Inc., USA
- 10:35 – 11:00     **Dr. Michael A. Damore**, Amgen Inc., USA  
*“Microarray Challenges Using Clinical Trial PAXgene® Samples”*
- 11:00 – 11:25     **Dr. Jonathan Keats**, Mayo Clinic Arizona, USA  
*“Using aCGH to identify genetic changes associated with disease progression and therapeutic resistance in multiple myeloma”*
- 11:25 – 11:50     **Dr. Wan L. Lam**, BC Cancer Research Centre, Canada  
*TBA*
- 11:50 – 12:15     **Dr. Agnieszka M. Lichanska**, Potomac Falls, VA, USA  
*“The application of resequencing pathogen microarray (RPM-Flu) assay for detection of genetic signatures for pathogenicity and antiviral resistance”*
- 12:15 – 1:15     **Lunch, Exhibits & Poster Session**

- ❖ Chair: **Dr. Christoph Borchers**, UVIC - Genome BC Proteomics Centre
- 1:15 – 1:40 **Dr. Christoph Borchers**, UVIC - Genome BC Proteomics Centre  
*"Metabolomics for biomarker discovery"*
- 1:40 – 2:05 **Dr. Juergen Kast**, University of British Columbia  
*"Identification of Biomarkers of Platelet Storage Lesion using Complementary Proteomic Approaches"*
- 2:05 – 2:30 **Dr. Michael Kuzyk**, UVic - GBC Proteomics Centre  
*"A cocktail of isotopically labeled peptide standards for MRM based quantitation of 45 human plasma proteins"*
- 2:30 – 2:45 **Coffee Break, Exhibits & Poster Session**
- ❖ Chair: **Dr. Roderick V. Jensen**, Virginia Tech, USA
- 2:45 – 3:10 **Dr. Seth Cohen**, Caliper Life Sciences, USA  
*"High Throughput Nucleic Acid and Protein Analysis using a Microfluidic Device"*
- 3:10 – 3:35 **Dr. Niro Ramachandran**, Invitrogen  
*"Discovering antibody biomarkers using high content human protein arrays"*
- 3:35 – 4:00 **Dr. Colin Collins**, Vancouver Prostate Centre, Canada  
*"The Application of Advanced Genome Technologies to the Identification of Biomarkers and Drug Targets for Cancer"*
- 4:00 – 4:25 **Dr. Satya Saxena**, Calibrant Biosystems Inc., USA  
*"Novel targeted proteomic approaches for biomarker discovery in pathologically characterized clinical samples"*
- 4:25 – 4:50 **Dr. Inanc Birol**, Genome Sciences Centre, BC Cancer Agency  
*"Short sequence de novo assembly as a discovery tool for genomic variation"*
- 5:00 – 5:45 **Wine & Cheese Networking Session**

**Friday, March 20**

8:00 – 9:00      **Breakfast**

❖      Chair: **Dr. Michael Phillips**, University of Montreal

9:00 – 9:25      **Dr. Roderick V. Jensen**, Virginia Tech, USA  
*“Transcriptome Sequencing of Microarray Quality Control (MAQC) RNA Reference Samples using Next Generation Sequencing Platforms”*

9:25 – 9:50      **Dr. Dominic Eisinger**, Rules Based Medicine Inc., NY, USA  
*“Disease related Protein Biomarker Profiles: Successful Strategies and applications in drug development and diagnostics”*

9:50 – 10:15      **Neil Winegarten**, UHN Microarray Centre, Canada  
*“Biomarker Discovery in Single Cells”*

10:15 – 10:40      **Dr. Masami Horikoshi**, University of Tokyo, Japan  
*“Theoretical framework for the histone modification network: modifications in the unstructured histone tails form a robust scale-free network”*

10:40 – 10:55      **Coffee Break, Exhibits & Poster Session**

❖      Chair: **Dr. Masami Horikoshi**, University of Tokyo, Japan

10:55 – 11:20      **Garrick Peters**, Agilent, USA  
*“Eating an Elephant in One Sitting: Experimental Design Challenges in using Microarrays and NextGen DNA Sequencing in 2009.”*

11:20 – 11:45      **Dr. Peter Herzer**, Eppendorf-Biochip Systems, USA  
*“Eppendorf DualChip® Microarrays and the Silverquant® Labeling/Detection System”*

11:45 – 12:10      **Dr. Andre Marziali**, University of British Columbia  
*“Sequence-specific concentration of nucleic acids using SCODA electrophoresis”*

12:10 – 12:35      **Dr. Michael Phillips**, University of Montreal  
*“Translational Pharmacogenomics: Integrating Genetic and Proteomic Biomarkers into the Clinic”*

12:35 – 1:00      **Dr. Nawar Malhis**, Genome Sciences Centre, BC Cancer Agency  
*“SliderII – High Quality Alignment and SNP Calling for Illumina High Throughput Sequence Data”*

1:00 – 1:05      **Concluding remarks**

1:05 – 1:35      **Lunch**