

# University of Manitoba NGS SYMPOSIUM

Improving Genomics through Collaboration and Innovation

Wednesday May 27th, 2015, 1pm-4:30pm

Social to follow

Location: Department of Microbiology, 207 Buller Building  
University of Manitoba, Winnipeg, MB.

## Invited Speakers:

1:00-1:30pm: **April Gislason** (PhD Student – Silvia Cardona lab, Department of Microbiology) - *Transposon tracking using MiSeq: Competitive growth exposes a novel antibiotic target in Burkholderia cenocepacia*

1:30-2:00pm: **Scott Wushke** (PhD Student, Richard Sparling lab, Department of Microbiology) - *Physiological and genomic characterization of Fervidobacterium pennivorans strain DYC, isolated from Ngatamariki hot spring in New Zealand*

2:00-2:30pm: **Dr. David Levin** (Department of Biosystems Engineering) - *Comparative Genomics of Pseudomonas putida, and 'Omics of PHA Synthesis by P. putida LS46*

2:50-3:20pm: **Hooman Derakhshani** (PhD Student, Ehsan Khafipour lab, Department of Animal Science) – *Composition and function of the gut microbiome.*

3:20-3:50pm: **Dr. Mark Belmonte** (Department of Biological Sciences) and **Dr. Dilantha Fernando** (Department of Plant Science) - *Development and implementation of Next Generation RNA sequencing technologies to dissect plant pathogen interactions*

3:50-4:20pm: **Jeffrey Seitz** (D-MARK Biosciences) – *Identifying pitfalls in NGS and the importance of quality control. Also learn about the newest technology innovations in RNA-Seq.*

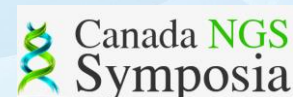
**Who:** The symposium is open to anyone who is interested in or is already using NGS in their research or diagnostic programs.

**What:** The objective of this symposium is to provide an overview of NGS, and a forum to discuss the science, applications, instrumentation, methods, and best practices in NGS. You will get to hear from academics and industry with experience in NGS, identifying challenges, and sharing progress.

**Why:** Next generation sequencing holds great promise for advancing the understanding of genetics of all organisms. Advances in this area continue to come at an increasing rate. For the uninitiated, design for an initial experiment can be daunting. In order to help demystify NGS applications, we have assembled a panel of academic and industry speakers experienced in the field.

To register visit [www.canadangssymposia.com](http://www.canadangssymposia.com)

Thank you to:



There is no fee to attend (drinks and snacks will be served), however **registration is required**. Please register at [www.canadangssymposia.com](http://www.canadangssymposia.com) if you would like to attend, or should you have any questions please contact:

**Jeffrey Seitz** ([jeffrey.seitz@d-markbio.com](mailto:jeffrey.seitz@d-markbio.com))