

ORAL PRESENTATION

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Solving genetic disease at the population scale

Barry Merriman^{1,2}

From 2nd International Genomic Medical Conference (IGMC 2013)
Jeddah, Kingdom of Saudi Arabia. 24-27 November 2013

I will discuss the latest advances in genome sequencing technology, and the approach to the \$1000 genome, with a focus on the status of the new Ion Torrent Proton Platform and how this can be applied in a systematic way to solve genetic diseases for entire populations. For this, I will present a process that identifies and removes all the bottlenecks in deploying genomic personalized medicine for entire countries. Examples will be provided based on specific national efforts already underway, in the USA and globally, and I will discuss the requirements that make countries or regions good candidates for this approach, and the opportunities for such countries to begin or accelerate the process.

Authors' details

¹Lead System Architect, Advanced DNA Sequencing Technology, CSO, Enterprise Genomics Group, Life Technologies, Inc., USA. ²Department of Human Genetics, UCLA, USA.

Published: 2 April 2014

doi:10.1186/1471-2164-15-S2-O15

Cite this article as: Merriman: Solving genetic disease at the population scale. *BMC Genomics* 2014 **15**(Suppl 2):O15.

Correspondence: Barry.Merriman@lifetech.com

¹Lead System Architect, Advanced DNA Sequencing Technology, CSO, Enterprise Genomics Group, Life Technologies, Inc., USA
Full list of author information is available at the end of the article

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