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# Expand Your Epigenetics Discovery by Sequencing More of the Methylome

## Accel-NGS® Methyl-Seq Library Kit for Illumina® Platforms

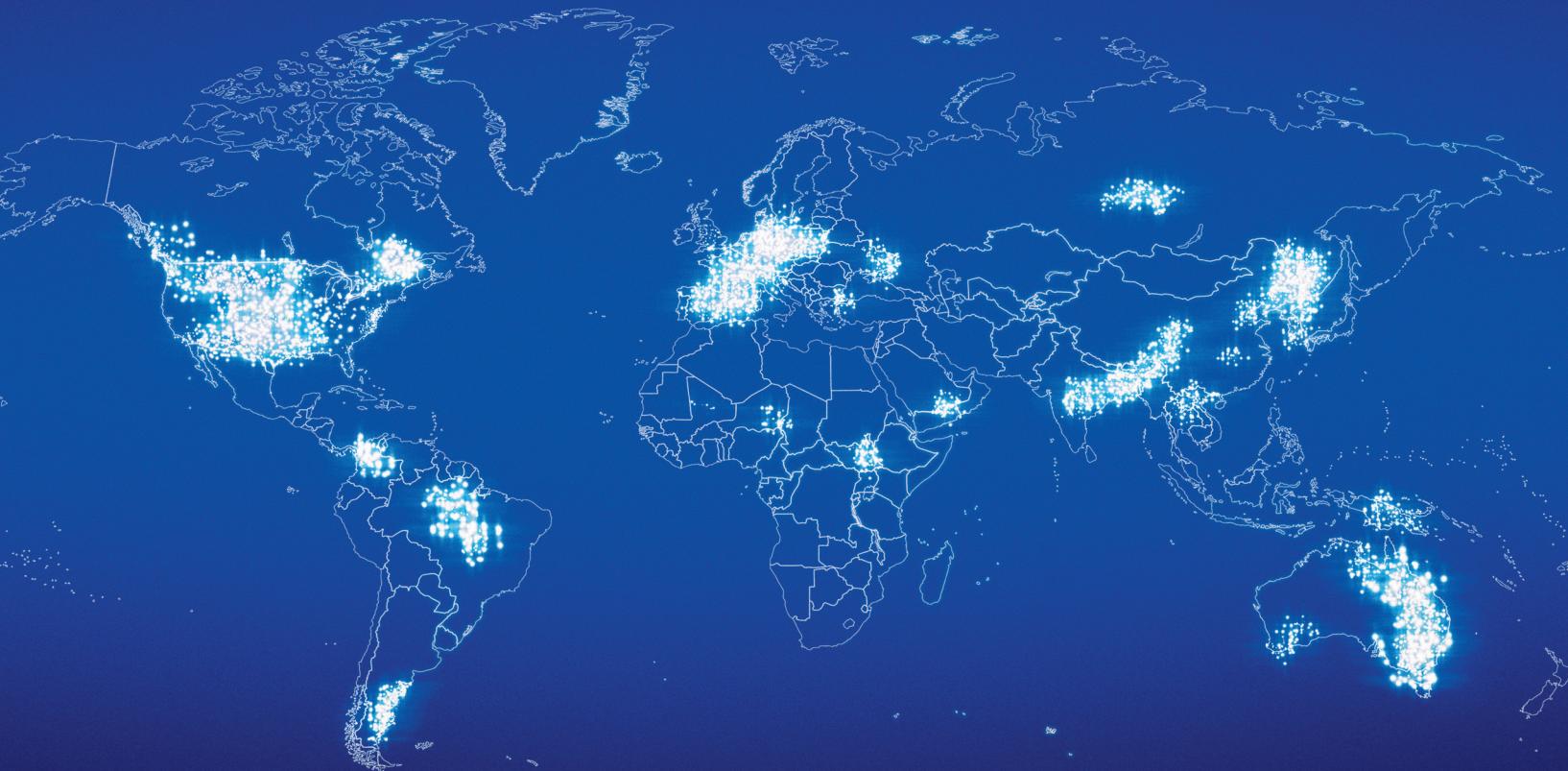
- Simple 2 hour protocol
- DNA inputs from 100 pg to 100 ng
- Low bias library preparation
- Compatible with WGBS, RRBS, and other enrichment methods



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# Looking for A Genomic Research Partner?

## Next-Generation Sequencing(NGS)

Whole genome Sequencing (Hiseq X Ten)  
Exome Sequencing  
Targeted Sequencing  
Long Read Sequencing  
Transcriptome Analysis, small RNA  
Epigenomics

## Bio Informatics

Assembly / Mapping  
Variant (SNP / Indel) calling  
CNV & Breakpoints  
Expression Profiles  
DEGs / miRNA  
Enrichment Profiles  
Gene Annotation

## Capillary Sequencing

### Microarray

### Oligonucleotide Synthesis

### Genetically Engineered Mouse

# The S is for Simplicity

The new Ion S5™ System.  
Targeted sequencing has  
never been simpler.

Simple library prep tools, cartridge-based reagents and automated data analysis have reduced DNA-to-data hands-on time to less than 45 minutes. So you'll spend less time doing routine molecular biology, and more time informing time-sensitive decisions.



#### Ion AmpliSeq™ technology

As little as 1 ng low-quality DNA sample input for library prep



#### Cartridge-based reagents

Less than 15 minutes of sequencing setup time



#### 2.5 to 4 hours of run time

Fastest run time of any benchtop sequencer



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# Next-Gen Sequencing



AGCTTATTCAGAGACCGCAGCCGATCAATCGA  
GCAGGGCCGCGTCTAGCTAATCGGAGACTT  
CCATGTAAGTACATTGCAGGCCAGAGGCCTTAGCTATTAAAGCC  
CGGTAGGCAGTTGTATGCAGGCCAGAATCGTAGGGCTATTAAAG  
AGCTTATTCAGTGTCCATTTCGAGACCGCAGCCGATCAATCGA  
GGCACTCGTATTGCAGGCCGCGTCTAGCTAATCGGAGACTT  
CCAGCTTGTACATTGCAGGCCAGAATCGCTTAGGGCTATTAAAG  
CCATGTAAGTACATTGCAGGCCAGAGGCCTTAGCTATTAAAGCC

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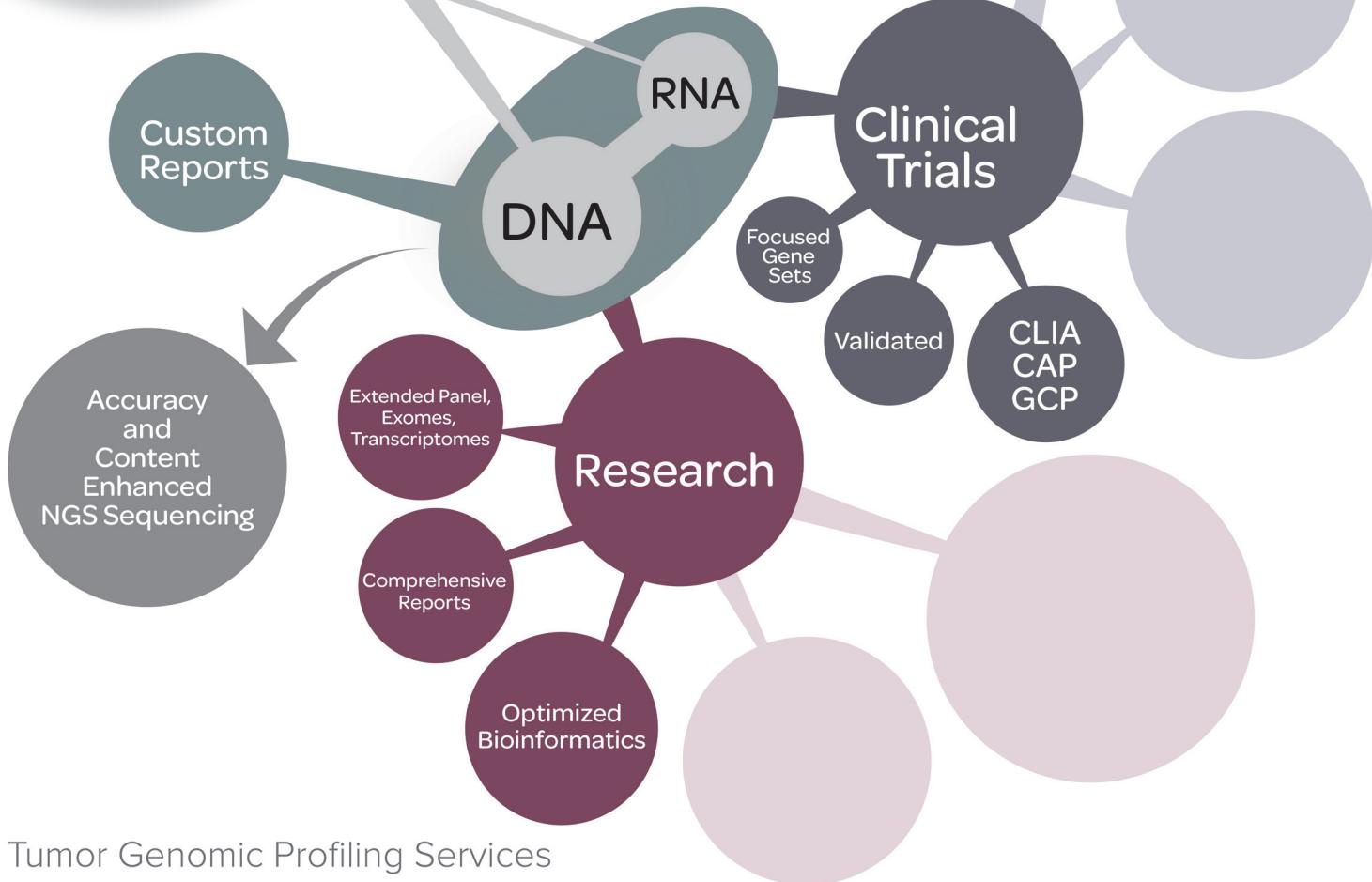
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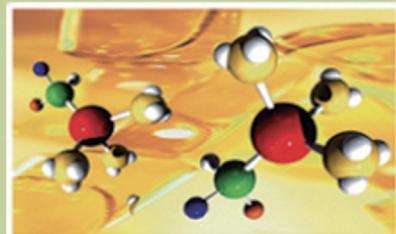
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# The 2016 Keystone Symposia Genetics, Genomics and Epigenetics Conferences

## The Cancer Genome

Scientific Organizers: Elaine R. Mardis, Sohrab Shah and Ben J. Raphael  
*and the joint conference on: Genomics and Personalized Medicine*

Scientific Organizers: Michael Snyder, Leroy E. Hood and Heidi L. Rehm  
February 7–11, 2016 | Fairmont Banff Springs | Banff, Alberta | Canada  
[www.keystonesymposia.org/16Q1](http://www.keystonesymposia.org/16Q1) | [www.keystonesymposia.org/16Q2](http://www.keystonesymposia.org/16Q2)

Deadlines: Abstract – Nov 9, 2015; Discounted Registration – Dec 7, 2015

## Plant Epigenetics: From Genotype to Phenotype

Scientific Organizers: Scott D. Michaels, Doris Wagner and Nathan M. Springer  
February 15–19, 2016 | Sagebrush Inn & Suites | Taos, New Mexico | USA  
[www.keystonesymposia.org/16B1](http://www.keystonesymposia.org/16B1)

Deadlines: Abstract – Nov 16, 2015; Discounted Registration – Dec 15, 2015

## Chromatin and Epigenetics

Scientific Organizers: Luciano Di Croce and Yang Shi  
March 20–24, 2016 | Whistler Conference Centre | Whistler, British Columbia | Canada  
[www.keystonesymposia.org/16C2](http://www.keystonesymposia.org/16C2)

Deadlines: Discounted Abstract/Scholarship – Nov 18, 2015; Abstract – Dec 16, 2015; Discounted Registration – Jan 20, 2016

## Heart Failure: Genetics, Genomics and Epigenetics

Scientific Organizers: Stuart A. Cook, Christine E. Seidman and Yigal M. Pinto  
*joint with the conference on: Cardiac Development, Regeneration and Repair*  
April 3–7, 2016 | Snowbird Resort | Snowbird, Utah | USA  
[www.keystonesymposia.org/16Z1](http://www.keystonesymposia.org/16Z1)

Deadlines: Discounted Abstract/Scholarship – Dec 3, 2015; Abstract – Jan 7, 2016; Discounted Registration – Feb 4, 2016

## Epigenetic and Metabolic Regulation of Aging and Aging-Related Diseases

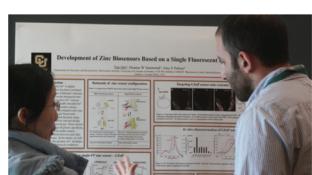
Scientific Organizers: Anne Brunet, David M. Sabatini and Shelley L. Berger  
May 1–5, 2016 | Hilton Santa Fe Historic Plaza | Santa Fe, New Mexico | USA  
[www.keystonesymposia.org/16E1](http://www.keystonesymposia.org/16E1)

Deadlines: Discounted Abstract/Scholarship – Jan 5, 2016; Abstract – Feb 2, 2016; Discounted Registration – Mar 1, 2016

## Understanding the Function of Human Genome Variation

Scientific Organizers: Kerstin Lindblad-Toh and Xavier Estivill  
May 31–June 4, 2016 | Uppsala Konsert & Kongress | Uppsala | Sweden  
[www.keystonesymposia.org/16K1](http://www.keystonesymposia.org/16K1)

Deadlines: Discounted Abstract/Scholarship – Feb 1, 2016; Abstract – Mar 1, 2016; Discounted Registration – Mar 31, 2016

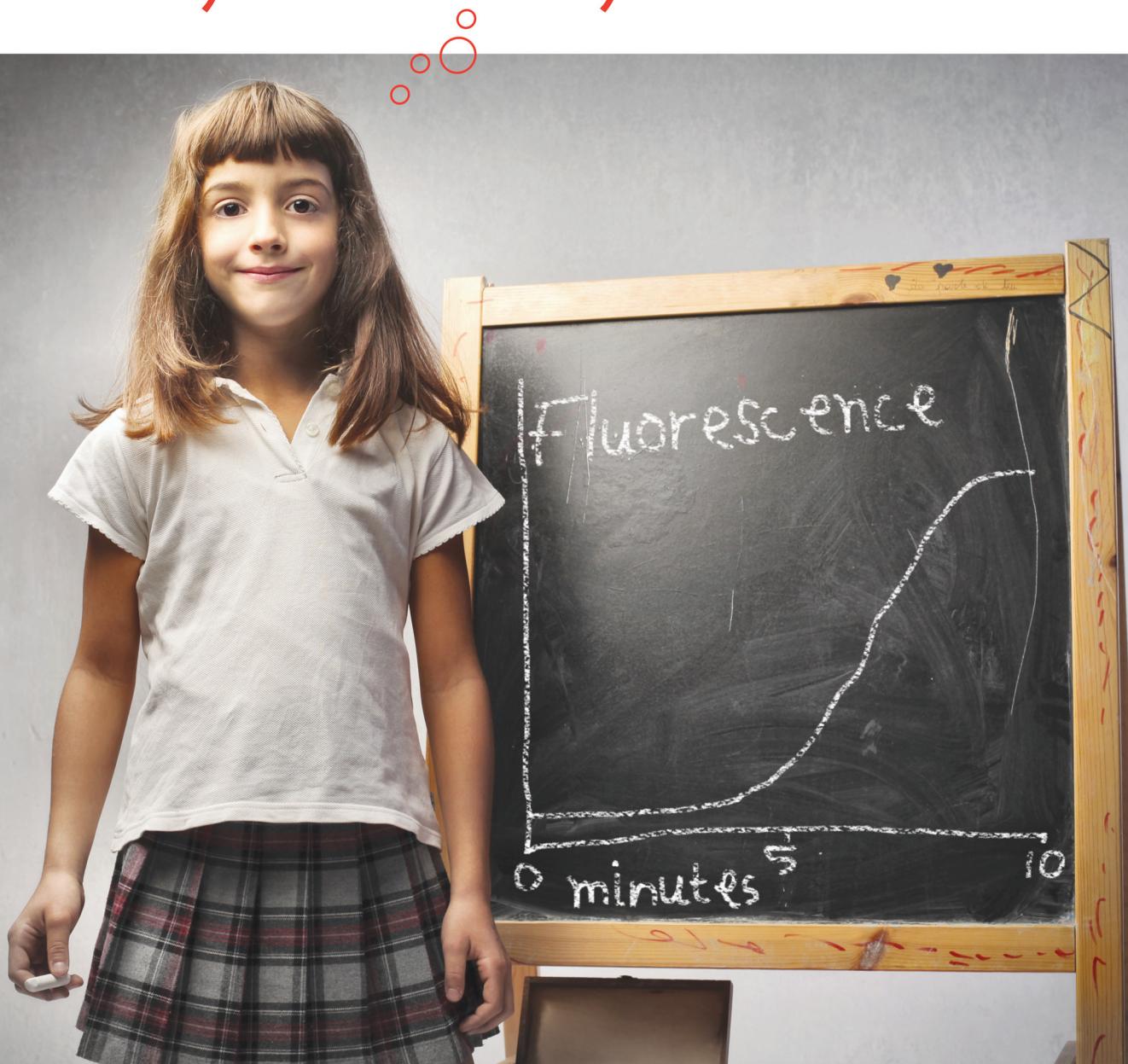


Submit an abstract to participate fully in the conference via poster presentation and possible selection for a short talk. Scholarships are available for graduate students and postdoctoral fellows. For full details on these and other related conferences, please visit [www.keystonesymposia.org/genetics](http://www.keystonesymposia.org/genetics).

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