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# Next-Generation Sequencing Data Management

April 28, 2008

8:00am – 4:00pm

World Trade Center, Boston, MA

BioTeam has been on the frontlines of next-generation sequencing integration, having helped several organizations with the unique next-gen IT, storage, and data management challenges. This workshop will present real-world customer experiences straight from the trenches. You'll get practical information about the analysis, assessment, design, implementation, testing, and support needed to bring a research organization from technology adoption to publication in the next-gen world.

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## **7:00- 8:00am Pre-Conference Workshop Registration and Morning Coffee**

### **8:00 Workshop Chairperson's Remarks**

*William Van Etten, Ph.D., Founding Partner and Director of Consulting Services, BioTeam, Inc.*

### **8:15 Advancing Personal Genetics with Second Generation Sequencing**

Second generation DNA sequencing has arrived and along with it, affordable personal genomics in which anyone will be able to access their own genetic information.

*George Church, Ph.D., Professor of Genetics at Harvard Medical School and Director of the Center for Computational Genetics*

### **8:45 Managing the Data Flood in Next-Generation Sequencing**

The staggering amount of data next-generation sequencers produce is a boon and a challenge. Fortunately, there are new tools that can help.

*W. Richard McCombie, Ph.D., Professor, Cold Spring Harbor Laboratory*

### **9:15 Bringing Next-Gen Sequencing Technologies into Large-Scale Production**

Matthew Trunnell will discuss the computational and data management architecture of the Broad Institute's environment and will share some of the operational lessons learned in the past 18 months as they have scaled up their next-gen sequencing infrastructure.

*Matthew Trunnell, Group Leader, APSG, Broad Institute of MIT and Harvard*

### **9:45 Refreshment Break**

### **10:00 Implementing Next-Gen Sequencing in the Small Research Lab**

Being a small facility doesn't mean you don't have big data management problems. It just means your resources are limited. However, a new interface gave the Naval Medical Research Lab the support it needed.

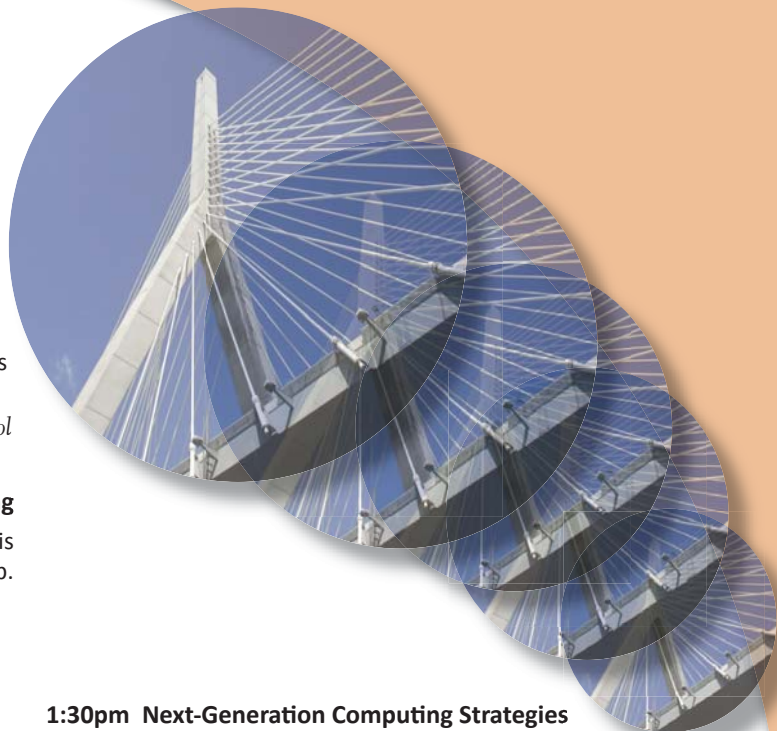
*Timothy Read, Ph.D., Principle Investigator, Naval Medical Research Center*

### **10:30 Meeting the Challenges of Data Management and Analysis for New Sequencing Technologies in an Academic Core Facility**

Using next generation sequencing platforms as shared resources with robust IT and informatics support enables cost effective and broad based use of these emerging technologies.

*George Grills, Director of Operations of Core Facilities, Cornell University Life Sciences Core Laboratories Center*

### **11:00 Lunch on Your Own**



### **1:30pm Next-Generation Computing Strategies for Next-Generation Sequencing**

The data challenges posed by the new generation of high throughput sequencers require advanced compute and storage solutions. Intel is working on new strategies to make analysis easier, faster, and more cost effective.

*Wilfred Pinfold, Ph.D., General Manager, Integrated Analytic Solutions, Intel Corporation*

### **2:00 Commercial Next-Generation Sequencing Technology Update**

Are you in the market for a commercial solution? This technology showcase will highlight the most advanced systems to help you make an informed decision.

*Kevin McKernan, Senior Director, Scientific Operations, Applied Biosystems*

*Avak Kahvejian, Ph.D., Product Manager, Helicos BioScience Corporation*

*Abizar Lakdawalla, Ph.D., Senior Product Manager, Illumina, Inc.*

*Timothy Harkins, Ph.D., Marketing Manager, Roche Diagnostic Corporation*

### **3:00 Panel Discussion: Industry Overview**

### **3:45 Workshop Chairperson's Closing Remarks**

*William Van Etten, Ph.D., Founding Partner and Director of Consulting Services, BioTeam, Inc.*



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Held in conjunction with

Cambridge Healthtech Institute's  
6th Annual

**Bio-IT World**  
Conference & Expo

April 28-30, 2008  
World Trade Center  
Boston, MA

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## YES! Register me for Next-Generation Sequencing Data Management

81500 P

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### PRICING INFORMATION

#### PRE-CONFERENCE WORKSHOP

Next-generation Sequencing Data Management (All Day) ☐ \$895 ☐ \$761 ☐ \$495 ☐ \$421

#### MAIN CONFERENCE

Advance Registration (until March 14, 2008) ☐ \$1,595 ☐ \$1,356 ☐ \$850 ☐ \$723

Registration after March 14, 2008 and onsite ☐ \$1,795 ☐ \$925

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☐ I cannot attend the Bio-IT Event and would like to purchase the conference CD for \$750 (plus shipping).  
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☐ Please send information on exhibiting and opportunities to present workshops.

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#### Additional Registration Details

Each registration includes all conference sessions, posters and exhibits, food functions, and a copy of the conference CD.

#### Group Discounts

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#### Handicapped Equal Access

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Program and speakers are subject to change.

Video and or audio recording of any kind is prohibited onsite at all CHI events.



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