



## Pico Computing Demonstrates Accelerated BFAST at PAG XX

*FPGA cluster accelerates BFAST 100X*

**Seattle, WA – January 9, 2012** – Pico Computing will be exhibiting at the Plant and Animal Genome conference at the Town and Country Convention Center, San Diego, January 14-18 in booth #403. During the conference attendees will be able to see an FPGA accelerated BFAST short read genome mapping

What: PAG XX  
Where: San Diego, CA, Town and Country Convention Center, Booth #403  
When: January 14-18, 2012

### Exhibition Demo:

During the conference, Pico will provide in-booth demonstration of FPGA accelerated BFAST short read genome mapping running on its M-503 FPGA modules. This hardware BFAST implementation is 100X faster than BFAST running in software and 10X faster than Bowtie. Not only is the hardware implementation 100X faster, but also has a higher sensitivity. The FPGA system maps 92% of short reads versus 85% of reads mapped for Bowtie. This sensitivity can be further tuned in the FPGA system. In addition, Pico integrated their FPGA system with Geneious Pro's plugin API to create a visualization and analysis interface.

Pico Computing has released a white paper describing this FPGA implementation of BFAST.

### About Pico Computing

Pico Computing, headquartered in Seattle, Washington, specializes in highly integrated development and deployment platforms based on Field Programmable Gate Array (FPGA) technologies. Applications for Pico Computing technologies include cryptography, networking, signal processing, bioinformatics, and scientific computing. Pico Computing products are used in embedded systems as well as in military, national security and high performance computing applications. For more information about Pico products and services, visit [www.picocomputing.com](http://www.picocomputing.com).

### About the Plant and Animal Genome Conference

The Plant and Animal Genome Conference brings together the leading genetic scientists and researchers involved in plant and animal research and related areas. With over 50 countries represented, the Plant and Animal Genome Conference provides an established forum for the exchange of information internationally as well as domestically. <http://www.intl-pag.org/>

