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biocomputing accelerated

UNIVERSITY OF CALGARY
FACULTY OF MEDICINE

University of Calgary Selects TimeLogic DeCypher to Accelerate Bioinformatics Computation within the Sun Center of Excellence for Visual Genomics

DeCypher on Sun solution speeds study of genetic disease through visual immersion system

January 28, 2003 - Calgary, Canada and Crystal Bay, NV – The Faculty of Medicine at the University of Calgary has selected TimeLogic's DeCypher system running on the Sun platform to supply critical bioinformatics capability to their Sun Center of Excellence for Visual Genomics. DeCypher compresses bioinformatics computing time from weeks to minutes, and will be deployed in the Center's Java3D-enabled CAVE Automatic Visualization Environment, an immersive graphics-based research environment available to scientists throughout Canada.

"Unraveling the genetic components of complex diseases—such as diabetes, Alzheimer's and cancer—requires the analysis of huge data sets," explained Dr. Christoph Sensen. "TimeLogic's DeCypher solution, running on Sun systems, delivers the powerful bioinformatics analysis capabilities that allow us to visualize pathways of cellular metabolism," he added.

"DeCypher's revolutionary processing speed for BLAST, Smith-Waterman and Hidden Markov Model analysis make it an ideal solution for projects of this magnitude," commented Jim Lindelien, TimeLogic's CTO and founder. "Real time exploration of genomic data requires tremendous computing throughput, and TimeLogic is pleased to be enabling this phase of genomic analysis."

"Visualizing tremendously complex genomic data is a key challenge for discovery research today," said Loralyn Mears, market development manager for Life Sciences Market Development at Sun Microsystems, Inc. "The TimeLogic on Sun solution will help enable the University of Calgary to speed the mining and interpretation of genomic data in order to provide a clearer picture of the mechanisms of genetic-based diseases."

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About University of Calgary

The University of Calgary's Faculty of Medicine's Sun Center of Excellence for Visual Genomics is the first node of the Canadian Bioinformatics Resource in Alberta - a network linking universities and government research labs across Canada. Total investment into the Sun Center of Excellence for Visual Genomics to date is more than $6 million. Funding partners include Sun Microsystems, Fakespace Inc., Western Economic Diversification Canada, the Alberta Science and Research Authority, the Alberta Network for Proteomics Innovation, Genome Prairie and the University of Calgary. For more information, please contact Christoph Sensen, Ph.D., at 403-220-4301, csensen@ucalgary.ca

About TimeLogic

TimeLogic Corporation produces DeCypher, a reconfigurable acceleration solution for high performance sequence analysis. DeCypher speeds BLAST, Framesearch, Smith-Waterman algorithms as well as Hidden Markov Model analysis. TimeLogic's headquarters are at 22 State Route 28, Crystal Bay, NV 89402. For further information, visit the company's website at http://www.timelogic.com or contact Christopher Hoover, Director of Marketing (Tel. 775-832-3104, chrish@timelogic.com).

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