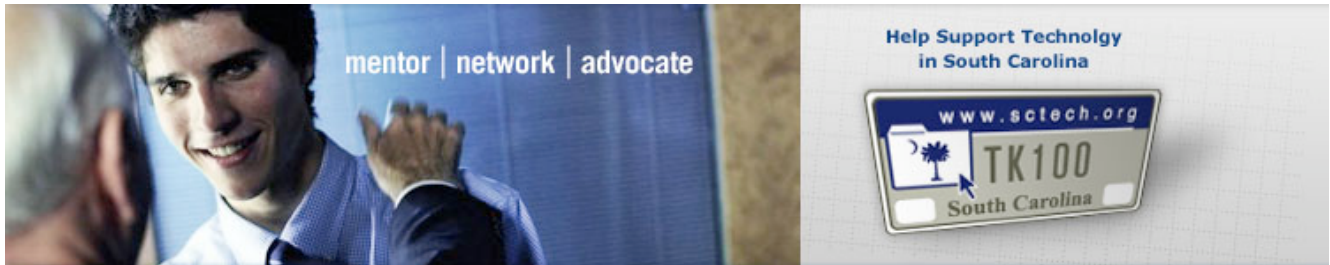


South Carolina Technology Alliance

- [Mission](#)
- [Services](#)
- [Our Partners](#)
- [Advocacy](#)
- [History](#)
- [Board](#)
- [Staff](#)
- [Home](#)

- [Articles](#)
- [Tech News](#)
- [Events Calendar](#)
- [Business Index](#)



Get Involved



South Carolina Technology Alliance Highlights Report

This highlights and accomplishments report has more than 28 pages of information regarding the various activities of the SCTA.

[Read More](#)

Innovation Index

Our online Business Index can provide you with valuable information about technology businesses located in South Carolina....

[Read More](#)

South Carolina Investors Network / Venture Capital

SCIN's is a member organization that supports innovation entrepreneurs capital and networking needs across the Palmetto State

[Read More](#)

Support Technology in South Carolina

[Read More](#)



News

New Super Computer For Georgia Tech

February 18, 2006

Georgia Tech Gets Supercomputer to Advance Drug Research

Researchers at Georgia Tech are excited about the potential to speed up drug discoveries with a new supercomputer. Georgia Tech's new Center for the Study of Systems Biology will be home to one of the world's most powerful supercomputers provided by IBM:

[Atlanta Business Chronicle](#)

Georgia Tech's new Center for the Study of Systems Biology will be home to one of the world's most powerful supercomputers provided by [IBM Corp.](#) (NYSE: IBM).

The center will use the technology to advance the research of new drugs for deadly diseases such as cancer. The research will be led by Jeffrey Skolnick, who is a Georgia Research Alliance eminent scholar in computational systems biology. Skolnick was recently recruited from center of excellence in bioinformatics at the State University of New York at Buffalo.

Funded by \$8.5 million in grants from the state of Georgia, the Georgia Research Alliance and the National Institutes of Health, the center will merge Skolnick's biomedical research expertise with IBM's computing capabilities.

"By using IBM technology for our research, we can significantly shorten the time to market for new drugs," Skolnick said. "Systems biology integrates mathematics, physics, chemistry and biology with advanced, high-performance computing and engineering."

Specifically, the technology will help students and professors quickly and accurately analyze DNA and proteins to determine the biological and chemical processes of human cancer genes and proteins. This will help develop more targeted drugs.

The "Cluster 1350" system, which is capable of performing more than 8.5 trillion calculations per second, ranked as the world's 41st most powerful supercomputer in a 2005 ranking, say center officials.

The new technology will help researchers "make more accurate decisions in research and raise the profile of the institute among the nation's most elite research facilities," said Doug Balog, vice president of IBM BladeCenter.

Atlanta-based [BellSouth Corp.](#) (NYSE: BLS) worked closely with Georgia Tech and IBM to design the environment required to support the new supercomputer.

- © 2004 South Carolina Technology Alliance
- [Terabyte](#)
- [Office](#)
- [Private Statement](#)
- [Legal Notice](#)