

BIO BIZ

A publication of the
Athens Tech Biotechnology Program

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Volume 2, Issue1

\$ Biotechnology Program Department of Labor Grant Scholarship \$

(see pg 2 for more information)

Employment opportunities

Athens Research & Technology Inc are looking for Research scientists.

Pilgrim's Pride is hiring a full time microbiology technician
www.pilgrimspride.com

Avigenics currently has positions available. Full time and student workers. (contact: Lisa Haskins 706-227- 1170 or haskins@avigenics.com)

Merial currently has 1 R&D and 6 industrial operation positions open. (us.merial.com/careers)



This month, Bio Biz is taking a look at the biofuels industry in Georgia.

Did you know that the State of Georgia is busy positioning itself to take advantage of the presidents push for developing biofuels?

Ethanol is produced by fermentation of corn, wheat, sugarcane or soybeans. There are 113 plants in the U.S. which produced 3.9 billion gallons of ethanol in 2005. Biodiesel is produced via the distillation of vegetable oils, animal fats & used cooking oils.

There are 105 biodiesel plants in the U.S. which produced 225 million gallons in 2006.

This means that people with an education in biotechnology will be in high demand.

Job Skills needed:

Microbiology
Chemistry

Job opportunities:

Range Fuels announced on July 2, '07, that it was awarded a permit to construct the nations first commercial cellulosic ethanol plant in **Soperton, Georgia**. This plant will use pine-tree waste and will produce 20 million gallons of cellulosic ethanol per year.

The company anticipates building many plants around Georgia. Range Fuels process can use any type of biomass (for example: wood chips, sawdust, paper pulp, animal waste, grass & municipal garbage) to make ethanol. This is good news since most of the nations supply of ethanol is produced from corn which is limited by the amount of land available to grow it. 7/2/07 Kim Milosevich, OutCast Communications

Alterra Bioenergy Corp is putting a 30-million-gallon biodiesel plant in **Plains GA** and is expected to open one in **Gordon GA** that will employ 15 people.

Investors in SW Georgia are building an ethanol plant in **Camilla GA**. and is expected to employ 70 people. ENVISION spring '07

Athens, Georgia now fuels its buses with 20% biodiesel which it buys from a local distributor called Boswell Oil . The biodiesel is made by **U.S. Biofuels** based in **Rome GA**. The savings to taxpayers is almost \$50,000/ month. The University of Georgia began using biodiesel last April. Online Athens published in the Athens Banner-Herald 7/30/07.



Envision Spring '07

Biotechnology Program Department of Labor Grant Scholarship

A student must be enrolled in a biotechnology/bioscience program major to be eligible for this financial support. Recipients must have completed 25 Associate level credit hours including CHM 191, MAT 191, and BIO 197. Funding will cover tuition, books, and supplies not covered by any other financial assistance such as HOPE, Pell, or WIA.

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|----------------------|--|
| Amount of Award | This financial support may be used for books, supplies, and tuition. The maximum amount of financial support is \$2,250. |
| Application Deadline | Midterm of the preceding quarter, Deadline for fall quarter is Aug. 3rd |
| Contact | Dr Jeff Rapp jrapp@athenstech.edu |

This assistance is available through a federal grant from the U.S. Department of Labor. Recipients must be a U.S. citizen

“Biotechnology, if used appropriately, has the potential to provide more and healthier foods, reduce dependence on fossil fuels, and offer more effective cures for diseases. Enzymes that can break down plant material into biofuels such as ethanol will eventually lead to the more cost-effective production of sustainable bioenergy products. A new bioengineered form of rice bolstered with vitamin A may help reduce blindness stemming from vitamin deficiency in developing countries.”



Jennifer Kuzma Associate Director of the Center for Science, Technology, and Public Policy at the University of Minnesota.

Biotechnology programs at Athens Technical College:

Associate Of Applied Science Degree Programs

Biopharmaceutical Manufacturing Technology
Biotechnology

Technical Certificates of Credit

Analytical laboratory technician
Aseptic Fill Technician
Molecular Biology Technician
Quality Assurance & Validation Technician

Contacts:

Program Director:
Dr Jeff Rapp jrapp@athenstech.edu

Dean Department of Life Sciences:
Dr Joe Pyle jpyle@athenstech.edu

Editor:
Mandy Latimer alatimer@athenstech.edu

Additional information about the Biotechnology & Pharmaceutical Manufacturing technology programs is available at:

www.athenstech.edu/gabiotechinst

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