

May 22, 2009

NYSTAR[®] Sci ☆ Tech News Bytes

Dear Friends,

NYSTAR looks forward to working with the Energy Frontier Research Centers in NYS. These centers will provide significant contributions to New York's clean energy agenda. As always, feel free to contact us with your thoughts and suggestions. Write to: contact@nystar.state.ny.us

—*Ed Reinfurt, Executive Director of NYSTAR*

NY Awarded Five Energy Frontier Research Centers

Governor's Press Release

"Governor David A. Paterson today announced that New York will commit \$10.5 million in state grants to secure a federal investment of nearly \$100 million to finance five energy research centers across the State. The U.S. Department of Energy (DOE) has named five New York institutions Energy Frontier Research Centers (EFRC), and each has been awarded DOE grants between \$2 and \$5 million per year for a planned initial five year period. New York's five centers were the second most awarded to any state, in large part due to Governor Paterson's commitment of a 10 percent state

match in funding and work to position New York as a national leader in clean energy technology research and development.

The EFRCs will bring together groups of leading scientists to address fundamental issues in fields ranging from solar energy and energy storage to materials sciences and superconductors. New York facilities were among 46 chosen nationwide, and include SUNY Stony Brook, Brookhaven National Laboratory on Long Island, Columbia University, Cornell University, and General Electric Global Research in Schenectady.

"We are seizing the opportunity to make New York the global capital of the new energy economy. The five laboratories being designated as Energy Frontier Research Centers clearly show that New York has been recognized as a national leader in alternative energy research," said Governor Paterson. "We are laying the groundwork for the new economy based on research and technology, which will bring private industry into the State and create thousands of jobs."

For the entire release see: http://www.ny.gov/governor/press/press_0522091.html

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JumpStart Program Helps Small Businesses

Oswego Co Business Magazine
An innovative program started by Cornell U. seeks to aid small businesses by matching them up with university research centers. The program, JumpStart, also provides the availability of matching funds through the NYS Foundation for Science, Technology and Innovation (NYSTAR).

The program was started through the Cornell Center for Materials Research to help small businesses with concrete problems get the expertise they need to spur development.

"We identify a company that

has a need and match them with a faculty member that has expertise in the field of that need. These are very concrete problems - some technological issue they haven't run into before, trying to commercialize a technology, expansion - things like that," said John Sinnott, Industrial Programs Manager at Cornell U. JumpStart also functions as a grant program in that NYSTAR provides up to \$5,000 to be matched by cash and in kind costs by the business for a total cost of up to \$15,000. --Nate McDonald

<http://oswegocountybusiness.com/index.php?a=2985>

Clean Tech Update

NYSTAR and NYSERDA held an Innovation and Clean Technology in NYS priority session at the New York Academy of Sciences (NYAS). The specific clean-tech sectors highlighted at this session were photovoltaics, energy storage, biomass, buildings, and smart grid. Working from a comprehensive portfolio of clean technologies presents an enormous opportunity for science, business and government to set concrete recommendations for the future direction of the state.

NYSTAR's internationally recognized programs spur the development, design and manufacture of new technologies in a wide range of areas, including nanotechnology, electronics, life sciences, information technology, materials processing, and many others.

www.nystar.state.ny.us

Spotlight on NY's Facilities

The **Institute for Computational Biomedicine** at the Weill Medical College of Cornell University does research in systems biology. Major advances in the field have led to major scientific discoveries and conceptual breakthroughs. "The Institute's mission is to provide the resources and nurture the collaborative, multi-disciplinary environment that will make such breakthroughs possible."



For assistance in using this facility contact: Jason Doling at NYSTAR at 518-292-5700.

www.nystar.state.ny.us

NYSTAR's **Funding Opportunity Newsletter (FON)** is now part of the weekly e-Newsletter. The FON provides information on funding opportunities for high-technology academic research and economic development in NYS. To see the newsletter: <http://www.nystar.state.ny.us/fon/funding.htm>

NIH Award to Tompkins County Company

Ithaca Journal

"A Tompkins County health technology firm has received a \$1.67 million award from the National Institutes of Health to develop point-of-care technologies for underserved and non-traditional health care settings.

The grant will help Rheonix Inc. develop technology used in analyzing human and veterinary medical specimens to diagnose illnesses.

Rheonix is located in the Cornell Business and Technology Park in Lansing. The firm has developed a product that prepares and analyzes medical specimens and reports results electronically without further hands-on effort once a clinical specimen is applied. The technology for the device, called CARD, an acronym for Chemistry and Reagent Device, was

developed at and exclusively licensed on a worldwide basis from Cornell University.

The health technology is expected to have applications in rural and urban community public health-care clinics and temporary medical facilities established in response to natural or human-made disasters. Not only will the portable device find use in the nontraditional health-care settings of interest to NIH, but its simplicity allows people of varying skill levels to perform extremely sophisticated molecular assays with the push of a button, said Tony Eisenhut, Rheonix president and CEO."

—Staff reports

<http://www.theithacajournal.com/apps/pbcs.dll/article?AID=/20090514/BUSINESS/905140347&template=printart>

Upcoming Events

June 21-23, 2009 - Poughkeepsie, NY

Enterprise Computing Community Conference 2009
<http://ecc.marist.edu/conf/index.php>



NYSTAR congratulates winners from New York in the Intel International Science and Engineering Fair held in Nevada last week.

Awards were given to 19 "Best of Category" winners that included:

- Preya Shah of Setauket, NY for "Best of Chemistry"
- Shaunak Bakshi and Peter massey of Manhasset, NY for "Best of Team Projects—Life Sciences"

According to an Intel Corporation news release, finalists are

selected annually from more than 550 International Science and Engineering Fair-affiliated fairs around the world. Their projects are then evaluated onsite by 900 judges from nearly every scientific discipline, each judge typically with a Ph.D. or the equivalent of 6 years of related professional experience in one of the scientific disciplines. A full list of 2009 finalists is available at:

www.societyforscience.org.

For Intel's press release: <http://www.societyforscience.org/intelise09/Winners.pdf>



YOUNG INNOVATORS

Marist Graduates Receive Awards

Marist News Release

"Two graduating Marist college seniors and one alumna have been awarded "Math for America" fellowships and will spend the next five years working to improve the quality of math education in NYC schools. Only 60 such fellowships were awarded nationally.

Chosen for the prestigious program were graduating seniors Rachel Masciotti of Yonkers, and Steven Viola of Nesconset, and 2008 graduate Amanda Giambruno of Massapequa Park.

The Math for America Fellowship is a five-year program for mathematically talented individuals who are new to teaching. The program's mission is to improve math education in secondary public schools by recruiting, training, and retaining outstanding mathematics teachers. The fellowship pro-

vides a full-tuition scholarship toward a master's degree for the first year of the program. Recipients work the four remaining years in an urban school district.

Masciotti and Viola will study at NYU, while Giambruno will attend Teacher's College at Columbia University. They will receive \$30,000 stipends and full health benefits during their studies. Upon completion of their master's programs, the three will teach in a NYC public high school or middle school. In addition to their teaching salary, they will receive a stipend of \$70,000 over four years from the program. Fellows will attend professional development workshops and be introduced to a network of master teachers who will serve as mentors."

<http://www.marist.edu/publicaffairs/index.html?id=450>



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