BNL Collaborates on $4.5-Million Protein Structure Study

NIH Grant Will Help Turn Genomic Knowledge into Promising Drug Targets

Now that the human genome sequencing project is complete, BNL and four other New York research institutions have formed the New York Structural Genomics Research Consortium (NYSGRC) to turn that knowledge into promising drug targets.

In September the consortium was awarded $4.5 million by the National Institute of General Medical Sciences (NIGMS), part of the U.S. government’s National Institutes of Health (NIH), to decipher the three-dimensional structures of proteins.

The award will fund the first year of a five-year pilot program. NYSGRC is one of seven pilot centers each receiving around $4 million from NIGMS under their newly launched Protein Structure Initiative. NIGMS anticipates spending around $150 million on these projects over five years, making it the world’s largest singlelargestfunder of structural genomics.

**BNL Team Also Asked to Study Proteins Involved in Rad Response**

In a related project, DOE is funding the BNL structural genomics team to apply structural genomics techniques to determine structures of a range of human proteins that have a role in the response to ionizing radiation. This project is being done in collaboration with the laboratory of Al Fornace of the National Institutes of Health and in continuation of a collaboration with the laboratory of Arthur Grollman at USB. Fornace uses DNA chips to identify human proteins whose levels change in response to radiation, while Grollman works on structures and functions of proteins more involved in the repair of damage to DNA.

**BNL Achieves ISO 14001 Registration in Eight More Areas**

In September, BNL achieved ISO 14001 registration for eight internal organizations, certifying that its environmental management system conforms to the stringent requirements of this international standard.

“This is a great achievement for the laboratory and reflects our strong commitment to ensuring that Brookhaven’s environmental performance measures up to our world-class status in science,” said BNL Director John Marburger.

ISO 14001 is an international standard that sets specifications for an environmental management system (EMS).

BNL has also been recognized by others for its leading role in ISO implementation and registration. For instance, the Environmental Protection Agency’s Region II recently recommended BNL’s Process Evaluation Project and EMS Project for inclusion in the Clinton Administration Library of Accomplishments.

ISO 14001 requires an organization to identify potential environmental impacts and establish controls needed to minimize any impact appropriately, to monitor and communicate environmental performance, and to establish a formal process for continually improving the system.

“The ultimate goal is to put a system in place that enables us to improve and sustain performance in the area of environmental stewardship,” said Bet Zimmerman, Environmental Services Division Manager. In 1999, BNL’s Relativistic Heavy Ion Collider project became the first DOE national laboratory facility and first Long Island-based facility to obtain third-party registration to the ISO 14001 standard. Steve Musolino, the Assistant to the RHIC Project for ES&E, was responsible for coordinating that effort.

Under the guidance of Susan Briggs, EMS Project Manager, eight additional organizations have been registered to the ISO standard: the Superconducting Magnet, Reactor, Waste Management (WM), and Environmental Restoration (ER) Divisions; the Collider-Accelerator, Medical, and Biology Departments; and the Brookhaven Linear Isotope Producer and associated target processing laboratory.

The management representatives on EMS who helped their organizations achieve these registrations were: Mike Gaffney, Safety & Health Services; Rich Travis, Reactor; Pete Kwaschyn, WM; Achyut Tople, ER; Ed Lessard, Alternating Gradient Synchrotron Department; and Ann Emrick, Biology. (continued on page 3)

(Left) These three-dimensional structures are three of the proteins selected for study by the structural genomics project. These structures were determined at BNL by Swaminathan’s group.
VETERAN’S DAY 2000

CAMP UPTON COLLECTION OPENS WEDNESDAY TO EMPLOYEES;
POSTCARDS OF CAMP UPTON GROUNDS, SOLDIERS NOW ON SALE

BRL sits on what was the U.S. Army’s Camp Upton, a World War I training center and a World War II induction center and rehabilitation hospital. Camp Upton was named for Emory Upton, a Civil War general and commandant of the U.S. Military Academy at West Point.

Since BNL’s founding in 1947, the Museum of Community Involvement, Government & Public Affairs has amassed a significant collection of Camp Upton memorabilia, some of which was found on site and the rest donated by Camp Upton veterans or their families.

This memorabilia makes up the Camp Upton Historical Collection, which, since 1998, has been housed in the front of Bldg. 184 (pictured below, when it was the camp chapel). The Lab community is now invited to view the collection on Wednesdays, by appointment, between 9 a.m. to noon. For more information, call Ext. 4495.

A series of eight postcards (pictured) of Camp Upton’s grounds and soldiers — including its most famous songwriter, Irving Berlin — is now on sale in the BERA Sales Office, Berkner Hall, weekdays, 9 a.m.-3 p.m.

The collection is open to BNL, BSA and DOE employees. BNL employees who work at least 20 hours a week may set aside from their $2,500 in the Health Care Account and/or $300 to $5,000 in the Dependent Care Reimbursement Accounts. Through salary reduction, these accounts set aside before-tax dollars to pay for out-of-pocket health and dependent day-care expenses. Actual costs are lower because of the tax savings.

The course is open to BNL, BSA and DOE employees. BNL facility-users, and their families, at $23 per person. To register, send a check by November 24 to Empire Safety Council, in care of Scott Zambelli, P.O. Box 670, Mount Sinai, NY 11766. Include your phone number in case you need to be contacted.

For the Record


Arrivals & Departures

Festival of Lights

The BEBA-IndoAmerican Association (IAA) is celebrating Diwali, the Festival of Lights, on November 11, in Berkner Hall. The cultural program of music, song and dance started at 6:30 p.m. Tickets cost $11 for BEBA IAA Members, $12 for non-members, and $5.00 for children 5-12 years of age. Children under 5 free.

To reserve your tickets, contact Kumi Pandya, Ext. 7734; Durand M. Guevara, Ext. 7733; Raj Rao, Ext. 7607; or Achyut Topy, Ext. 5672.

Computer Training

The Information Technology Division (ITD) has scheduled the following PC training courses for November and December:

- 11/15 & 16 Access - beginner
- 11/17 Excel - beginner
- 11/20 & 21 Project - beginner
- 11/28 & 29 Access - intermediate
- 11/30 Front Page
- 12/4 Outlook
- 12/7&8 Project - intermediate
- 12/10 & 13 Excel - advanced
- 12/12 & 13 Outlook - advanced

To register for these classes, or to register interest in future classes, submit a training request form and an ILR or Web requisition for the appropriate amount to Pam Mansfield, Bldg. 515. Your name will be placed on a waiting list. Classes are scheduled based on requests received. For more information and for class schedules, see the ITD training page at www.bnl.gov/itd/.

JAVAN Programming

A Java training program for C and/or C++ programmers will be held on these dates: November 28 & 30, and December 5, 7 & 12. This five-day class will meet in the PC Training Center, Bldg. 515, 9:30 a.m.-4:30 p.m. The fee is $1,300 per student, which includes documentation and textbooks. To register, send an ILR to Pam Mansfield, Bldg. 515, by November 15.

Word Processing

At noon on Wednesday, November 8, Antonio Pompa-Baldi, President of the Italian Academy, Italy, will present “Piano, From Education to Professional Activity.” The presentation will be held in Berkner Hall, Room B, to display fine art by members of the Lab community. Employees, retirees, guests, visitors, and their families are all invited to exhibit their sculpture, photos, oils, watercolors, cartoons, and other works. More than one piece per exhibitor is welcomed as space permits.

The show will be held daily Monday through Wednesday, November 20-22, 11:30 a.m. to 1 p.m., with a opening reception, 5-7 p.m., when refreshments will be offered. Exhibits should be delivered to Berkner Hall on Friday, November 17, 2-4 p.m. To reserve an exhibit, or for more information, call Liz Seubert, Ext. 2346, or Bob Chrien, Ext. 3903.

Road Closing

In anticipation of operating the Relativistic Heavy Ion Collider (RHIC) at full energy, the RHIC fencing will be extended to include a portion of Thompson Road. From today, Friday, November 3, the part of Thompson Road behind the Alternating Gradient Synchrotron (AGS) around which the RHIC magnets beam into AGS will be closed. Local traffic will be able to use access roads to Bldg. 1006B and to the RHIC crossing road.

IAEA Jobs

The International Atomic Energy Agency currently has five jobs available with positions in Europe and Asia. The job requirements are as follows:

- Open Source Information, Call Sheets, and Text Processing
- Energy Efficiency and Environment
- Energy Efficiency Program
- Sustainable Energy Use
- Environmental Action Plan

For show information, call Liz Seubert, Ext. 2346, or Bob Chrien, Ext. 3903, or Liz Seubert, Ext. 2346.

Classified Advertisements

Placement Notices

The Lab’s placement policy is to select the best qualified candidate for an available position. Applications are considered in the following order: (1) present employees within the department and/or similarly qualified unit, with preference for those with demonstrated good work; (2) present employees within the Laboratory, and (3) outside candidates. In keeping with the philosophy of non-dis- crimination, the Lab does not discriminate on the basis of race, color, religion, national origin, sex, age, or disability. Each week, the Human Resources Division sends new placement notices. An employee may request consideration for these positions, or other open positions, on an opportunity for all people. Except when new employee needs require otherwise, all job openings will be open for other public applications. For a copy of the placement policy, contact the Career Management Officer, Ext. 2802; call the BJLNE Line, Ext. 7733, or visit the BNL job openings Web site at www.bnl.gov/hr/}

LABORATORY RECRUITMENT - Opportunities for Laboratory employment

DEPARTMENT OF CONSIDERATION (Part-Time) - Requires a B.A./B.S. degree in a related field. Responsibilities include reviewing résumés, selecting candidates, and providing excellent demonstrated organizational, interpersonal, and written communication skills. In addition, a comprehensive knowledge of data bases, policies and procedures and proficiency in MS Word, PowerPoint, Excel and Outlook are essential. Duties and tasks will include: Assisting in the recruitment of additional employees; reviewing résumés of potential candidates; and maintaining employment files. These positions are temporary, with possibility of transition to permanent personnel roles.

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Note: This calendar is updated continuously and will appear in the Bulletin whenever space permits. Submissions must be received by the preceding Friday in order to appear in the following Bulletin’s Placecard. Placecard information for each event in the order listed (title, location, description, and cost) and send it to bulletin@bnl.gov in a separate text document with the subject line “Bulletin Calendar” in the subject line.
Classified Ads (cont'd)

MK1518. LIBRARY ASSISTANT (Part-time position) - Requires a bachelor's degree or equivalent experience, basic knowledge of library and information science operations, standards, and procedures. Must have demonstrated skills in one or more library functions. Will be responsible for providing public reference service and aid in cataloging and record keeping. Will work independently within established procedures, handle library and information science inquiries and have a working knowledge of general office procedures within and outside the Laboratory to obtain information for users. Infor- mation Services Division.

Department.

MK800. JR. RESEARCH ASSOCIATE - Requires a Ph.D. in chemical and biological oceanography. Experience in the development of new techniques for isolating human DNA from environmental samples using low energy electrophoresis. Experience with PCR and Southern blot analysis. Experience with quality control measures for DNA isolation and quantification. Previous experience in developing new techniques for isolating human DNA from environmental samples using low energy electrophoresis is desirable. Will be responsible for developing new techniques for isolating human DNA from environmental samples using low energy electrophoresis. Experience with PCR and Southern blot analysis is desirable. Previous experience in developing new techniques for isolating human DNA from environmental samples using low energy electrophoresis is desirable. Will be responsible for developing new techniques for isolating human DNA from environmental samples using low energy electrophoresis.

Got Their Start in the BNL Dance Club

Attention Beginners

Get Your Start in Ballroom Dancing

Beginner Night, Wednesday, November 8, the BNL Dance Club is offering eight weeks of beginner classes in American style and Bolero and tango, from 6 to 7 p.m. in the North Ballroom of the Brookhaven Conference Center. *The cost is $30 per person.*

The dance club is a comfortable and fun place for people of all ages to continue with lessons at their current level and above in the A division. By the end of the program, students can compete in local and national competitions.

Four weeks of classes are offered per year, and class continues with lessons at their level and above in the A division. By the end of the program, students can compete in local and national competitions.

For more information, contact C. Anderson. Biology Department.

MK8158. LIBRARY ASSISTANT (Part-time position) - Requires a bachelor's degree or equivalent experience, basic knowledge of library and information science operations, standards, and procedures. Must have demonstrated skills in one or more library functions. Will be responsible for providing public reference service and aid in cataloging and record keeping. Will work independently within established procedures, handle library and information science inquiries and have a working knowledge of general office procedures within and outside the Laboratory to obtain information for users. Infor- mation Services Division.

ON THE WIRE

While Cause and Chen have been danceport com- petitors for only the past three years, both their start eight years ago as founding members and formed their partnership within the National Laboratory, the couple's success in ballroom dancing is well-deserved.

In addition to helping beginning danceport com- petitors, Cause participates in the club's 8:39 p.m. master class. Cause and Chen's goal: "to be competitive at the gold level and above in the A division in International Style as well as American style," says Cause. To prepare for next year's nationals in Utah, the partners continue with lessons at their coach's Smithtown Studio, practice in BNL's North Ballroom, and local competitions.

B N L's Nelson Cause, Plant Engineering Division, and Wei Chen, Instrumentation Division, placed second and sixth in American style at the U.S. Amateur Ballroom Dance National Championship competition this August in Phoenix, Arizona.

Competing at the silver (intermediate) level in the B division (age 35 and over), Cause and Chen earned their second place in the American style category, dancing bolero, cha-cha, rumba, and tango. Chen was awarded in the American smooth section, in which they competed in fox trot, tango, waltz, and Viennese waltz.

This is the first time that these partners have placed at the nationals: two years ago in Delaware, Cause and Chen danced American style at the silver level and above in the A and B divisions, bringing home a dozen placements. At that time, they were new to danceport, so we had no fear," explains Chen. "This year, we thought we knew better."

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