

Six BNL Scientists Awarded Tenure

Brookhaven Science Associates (BSA) has granted tenure to six BNL scientists this summer. They are: Radoslav Adzic, Energy Sciences & Technology Department; Milind Diwan, Physics Department; Paul Freimuth, Biology Department; John Haggerty, Physics; Robert Sweet, Biology; and Xijie Wang, National Synchrotron Light Source Department.

Tenure appointments are granted by the BSA Board after a rigorous selection procedure overseen by the BSA Science & Technology Steering Committee. The Scientific Staff Manual notes that tenure "constitutes recognition of independent accomplishment of a high order in the performance of original research or of other intellectually creative activity appropriate to the purposes of the Laboratory." A description of the accomplishments of each of the six recently tenured scientists will appear in forthcoming issues of *The Bulletin*, starting this week with Radoslav Adzic (below).

Radoslav Adzic, Energy Sciences & Technology Department (ES&T), was awarded tenure for his outstanding contributions to electrochemistry, a field that explores the relationship between chemical change at interfaces of various materials and electric current.

Adzic studies the correlation between structure and function at electrochemical surfaces, using several techniques, including those at the National Synchrotron Light Source.

For example, he clarified the role of the surface structure of electrodes in key reactions of electrochemical energy conversion — crucial research for making efficient fuel cells in electric vehicles.

David Welch, head of ES&T's Materials Science Division, commented, "Radoslav is a world leader

in electrochemical surface science and electrocatalysis. His considerable talent, combined with the excellent facilities at BNL, have resulted in important contributions to those fields."

ES&T Department Chair William Horak added, "Radoslav's work on fuel cells will significantly lower their cost by reducing the amount of precious metals needed in their manufacture."

After earning a Ph.D. in chemistry from the University of Belgrade in 1974, Adzic remained at the university, rising to the rank of Professor and Director of the Institute of Electrochemistry. In 1979, he was a visiting scientist at BNL, and in 1992, he joined the Laboratory as a senior research associate. In June 2001, he assumed his current position as a chemist in ES&T.

— Diane Greenberg



Radoslav Adzic

Roger Stoulenburgh CN-172-01

BNL, Other Experts Help Upgrade Russian Waste Treatment Facility



The BNL team members on the upgrade project are: (from right) Carl Czajkowski and Bob Fitzpatrick, Energy Sciences & Technology (EST); Biays Bowerman, Environmental Sciences; and Richard Deem, EST. Not pictured are: Paul Moskowitz, Nonproliferation & National Security; and Rick Davis, EST.

Roger Stoulenburgh CN-9-01

Scientists from BNL, Russia, and agencies in the U.S., Norway, and England have more than quadrupled the treatment capacity of Russia's RTP Atomflot low-level liquid radioactive waste (LLRW) treatment facility in Murmansk.

As a result of this upgrade, not only has the efficiency, automation, and range of treatment options available been increased, but the facility is also now discharging clean water into the Kola Bay.

"This upgrade brings Russia closer to its ultimate goal — to sign the amendment to the 1972 London Convention, which, with other laws, bans the discharge of waste into the world's oceans," said Metallurgist Carl Czajkowski, Energy Sciences & Technology Department (EST).

"Russian waste-storage facili-

ties are almost full," continued Czajkowski, who led the BNL team of Biays Bowerman, Environmental Sciences Department; Richard Deem, EST; Paul Moskowitz, Nonproliferation & National Security; Bob Fitzpatrick, EST; Rick Davis, EST.

Czajkowski explained that a certain amount of liquid waste

is generated with the routine operation of Russia's nuclear ice breakers and naval vessels, as well as the decommissioning of Russian nuclear submarines. By 1996, Russia had stored over 10,000 cubic meters of waste. This, Czajkowski said, "made the upgrade of the facility urgent."

(continued on page 2)



Peter Thanos

Joseph Rubino CN-151-01

'Alcoholic' Rats' Drinking Reduced by Gene Therapy

BNL scientists have shown that increasing the level of a brain protein important for transmitting pleasure signals can turn rats that prefer alcohol into light drinkers and those with no preference into near teetotalers.

The findings, published in the *Journal of Neurochemistry* (September 2001, Vol. 78, No. 5), may have implications for the prevention and treatment of alcoholism in humans.

"This is a preliminary study, but when you see a rat that chooses to drink 80 to 90 percent of its daily fluid as alcohol, and then, three days later, it's down to 20 percent, that's a dramatic drop in alcohol intake — a very clear change in behavior," said Peter Thanos, Medical Department, the lead researcher. "This gives us great hope that we can refine this treatment for future clinical use."

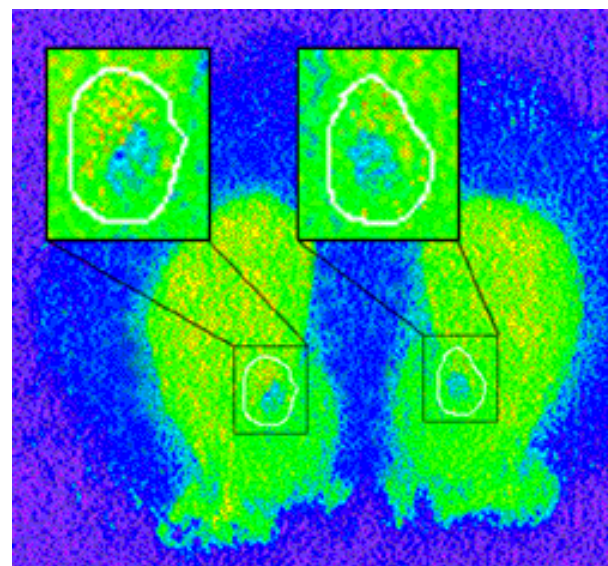
The protein in question is what is called the D2 receptor for dopamine, a chemical that transmits brain signals necessary for experiencing feelings of pleasure and reward. Without receptors for dopamine, the signals get "jammed," and the pleasure response is blunted.

Previous studies at BNL and elsewhere have shown that alcohol abuse and other addictive drugs increase the brain's production of dopamine. But, over time, these drugs also deplete the brain's D2 receptors.

This research has suggested that alcoholics increase their intake to try to override the blunted pleasure response, and/or that people with low levels of D2 receptors may be predisposed to alcohol abuse, said Nora Volkow, Associate Laboratory Director for Life Sciences, a coauthor on the paper. These ideas led the BNL researchers to hypothesize that increasing the level of D2 receptors might decrease alcohol intake.

The researchers tested this hypothesis in experimental rats, by injecting a virus that had been rendered harmless and altered to carry the D2 receptor gene directly into the rats' brains. The idea behind this gene therapy is that the virus acts as a vector, or mechanism, to deliver the gene to the brain cells in the nucleus accumbens, the brain's pleasure center, so that the cells can make the receptor protein themselves.

(continued on page 3)



The enlarged insets in this image of a rat's brain show increased expression of dopamine D2 receptors on the left side, which was injected with the D2 gene, compared with the right side, which was not injected with the receptor gene.

Calendar of Laboratory Events

- The BERA Sales Office is located in Berkner Hall and is open weekdays from 9 a.m. to 3 p.m. For more information on BERA events, contact Andrea Dehler, Ext. 3347; or M. Kay Dellimore, Ext. 2873.
- Additional information for Hospitality Committee events can be found at the Lollipop House and the laundry in the apartment area.
- The Recreation Building (Rec. Bldg.) is located in the apartment area.
- Contact names are provided for most events for more information.
- Calendar events flagged with an asterisk (*) have an accompanying story in this week's Bulletin.

— EACH WEEK —

Mondays: Arts & Crafts

1:30-2:30 p.m. Rec. Bldg. \$5 per month for materials. Marcia Leite, Ext. 1040, mhsleite@hotmail.com.

Tuesdays: Welcome Coffee

10-11:30 a.m. Rec. Bldg. Every Tuesday, come, meet friends. On the first Tuesday of the month, the focus is especially on Lab newcomers and guests who are leaving. Mimi Luccio, 821-1435.

Tuesdays: Toastmasters

Meetings are held the 1st and 3rd Tuesday of each month at 5:30 p.m. and on the 4th Tuesday at 12:05 p.m. in Bldg. 463. Guests and visitors are always welcome. www.bnl.gov/bera/activities/toastmstrs/default.htm.

Wednesdays: BNL Ballroom, Latin & Swing Dance Club: beginner to advanced lessons

North Ballroom, Brookhaven Center. Marsha Belford, belford@bnl.gov or Ext. 5053; Ron Ondrovic, ondrovic@bnl.gov or Ext. 4553; Sue Perino, perino@bnl.gov or Ext. 2483.

Wednesdays: Cooking Exchange

1:30-2:30 p.m. Rec. Bldg. \$1 per evening covers the cost of ingredients. Marcia Leite, Ext. 1040, mhsleite@hotmail.com.

Wednesdays: Weight Watchers

noon-1 p.m., Brookhaven Center South Room, Mary Wood, Ext. 5923.

Wednesdays: Yoga Practice

12-1 p.m., Recreation Bldg. Free. Ila Campbell, Ext. 2206.

Wednesdays: Stretch

\$4 per class. 5:15-6:15 p.m., Rec. Bldg. Pat Flood, Ext 7886.

Thursdays: Falun Dafa Exercise

Free, 12-1 p.m., Recreation Bldg., master room. Falun Dafa is the practice of refining the body and mind through exercises and meditation, www.falundafa.org.

Tuesdays & Thursdays: Aerobics

\$4 per class. 5:15-6:30 p.m., Rec. Bldg. Pat Flood, Ext 7886.

Mon. & Thurs.: Cardio-Kickboxing

\$5 per class. Mon. & Thurs., noon-1 p.m. Thurs. eves. 5:15-6:15 p.m. Tues. classes are held in the Gym; Thurs. classes are held in the Brookhaven Ctr. Registration is required. Mary Wood, Ext. 5923, or wood2@bnl.gov.

September 15-October 15: Hispanic Heritage Month.

See www.bnl.gov/bera/activities/hispanic/. Take the Hispanic Heritage quiz at www.bnl.gov/bera/activities/hispanic/quizreal.htm. The highest scorers will win a cookbook.

— WEEK OF 10/1 — Tuesday, 10/2

BERA Book Fair, 10/2 & 3

10 a.m.-3 p.m. Berkner Hall. Best-sellers, children's books, up to 70 percent discount. Credit cards, checks accepted. Andrea Dehler, Ext. 3347, M. Kay Dellimore, Ext. 2873.

Employee Mini Survey: Taking the Pulse of the Lab

The results of the employee mini-survey conducted in July by International Survey Research, an independent consulting firm, have now been compiled.

The survey was done in response to a DOE Laboratory performance measure to compare employee opinions in 2001 with those obtained in the 1998 survey in four focus group areas: training, employee involvement, diversity, and communication.

The response rate for the mini-survey was approximately 65 percent; in 1998, the response rate was 83 percent. Some of the 2001 responses were incomplete and therefore not counted, so that the final 2001 response rate was 60 percent of all employees.

According to the results of the survey, by a slight majority, employees believe that some improvement has occurred since 1998 in all four focus areas. The percentage of favorable scores for increased training & development rose by 5 percent; for employee involvement, it rose by 3 percent; for diversity, by 1 percent; and for communication, by 3 percent.

Demographics: race & gender

Responses in the survey were categorized into two demographics, race and gender.

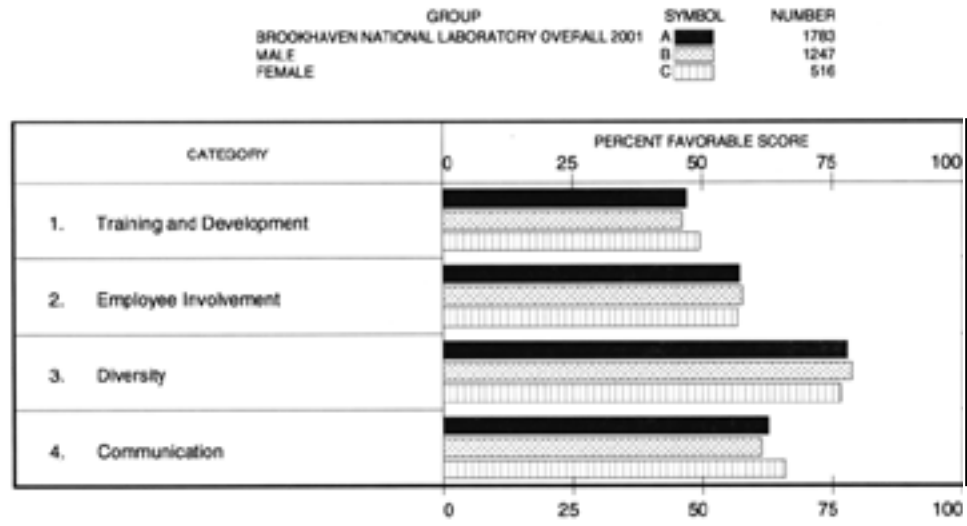
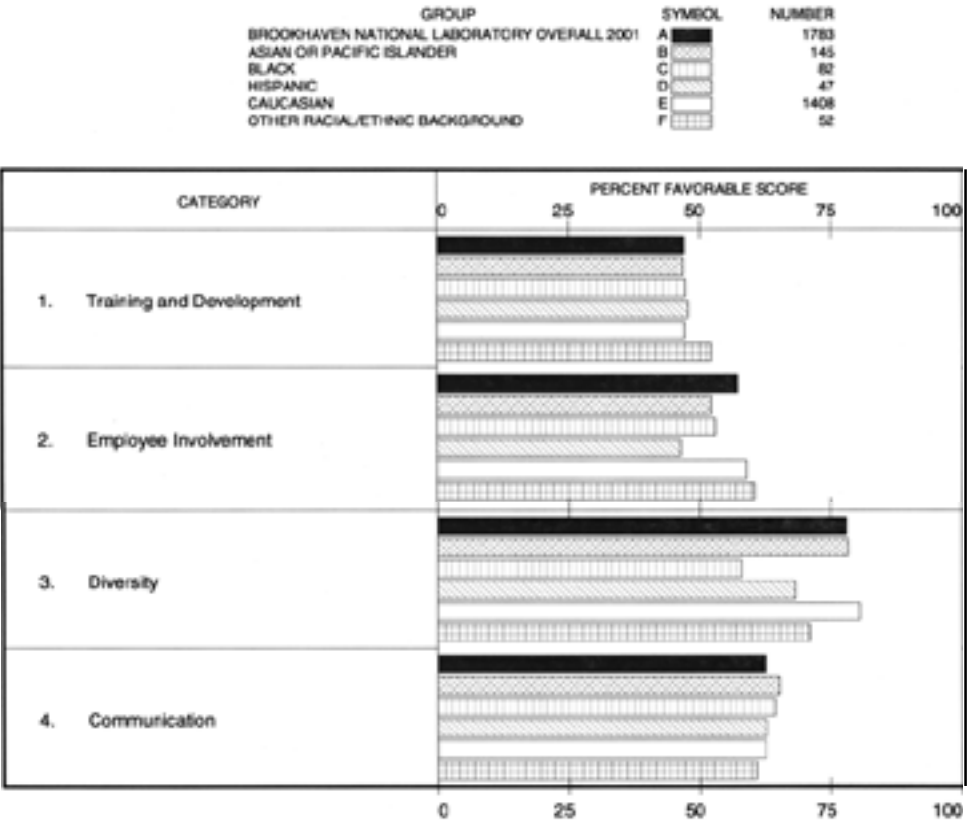
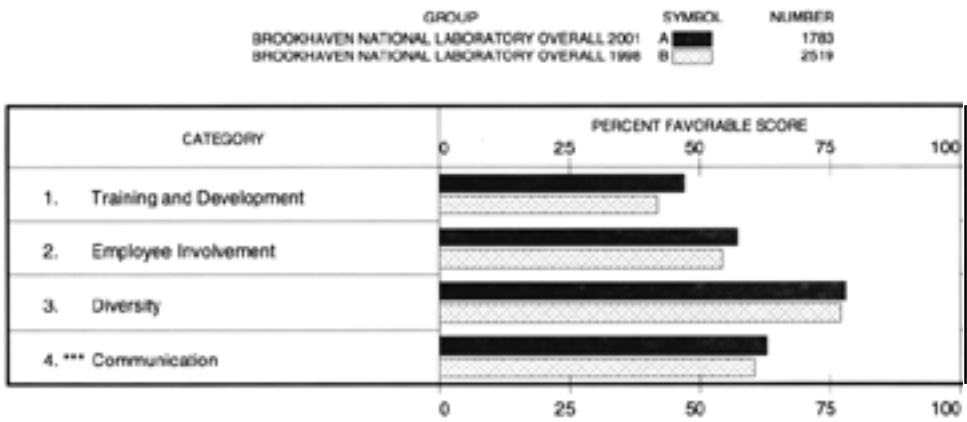
Said Lorraine Merdon, who manages the Diversity Office and coordinated the Employee Survey Project, "An employee perspective survey gives management a tool to strategize change. By characterizing responses demographically, we are able to identify opinions which differ from the majority and take appropriate actions."

In the 1998 survey, the demographic cuts included not only race and gender, but also age, employee status, length of service, etc. Since the recent survey was done to assess improvement in the four focus areas, the two necessary demographics were race and gender.

In the 1998 survey, for example, Merdon explained, diversity at the Lab had received an overall 77-percent favorable rating. "However, when we looked at the perspectives of minorities, particularly Black minorities, the score was lower." Therefore, a diversity focus group was formed to identify ways to improve the situation, and an action plan was implemented.

As for the gender demographic, "Females make up 24 percent of the Laboratory population," said Merdon. "By separating their responses from the rest, women's opinions can be heard."

As Merdon concluded, "Although we would have preferred more employees to respond, these results will be helpful to management in showing where more efforts may be made." The survey results are available to employees at http://www.bnl.gov/diversity/main_i.asp.



*** Comparative data are not available for some items in this category, as some additional questions were asked in 2001.

BNL, Others Help Upgrade Russian Waste Treatment Facility

(cont'd.)

The upgrade, which cost \$4.7 million, increases the treatment capacity of the facility from 1,200 to 5,000 cubic meters of LLRW per year.

This increase allows Russia to reduce the 10,000 cubic meters of stored LLRW by removing contaminants and concentrating them.

"The upgrade was done to identify and treat a wider variety of wastes more efficiently, and with a greater degree of automation," Czajkowski said. The system can now be operated and monitored from a remote location.

The concentrated contaminants extracted by the treatment can now be retained in cement-block form suitable for safe, long-term storage at the facility.

To achieve this, the BNL group provided construction and project management

throughout the upgrade, which began in 1996 with an engineering survey of the existing facility.

"The Russians came to the table with promising technology," said Czajkowski. The BNL team focused on integrating Russian and U.S. equipment and technology and gave technical advice in the areas of chemistry, electrical engineering, computing, and automation.

Waste-treatment facilities process contaminated water and extract radioactive, chemical, and other contaminants. The process varies depending upon what is present in the incoming waste.

At the Russian RTP Atomflot facility, the waste — typically delivered by boat — is sent by pipeline to a holding tank where radiochemical analyses determine its content.

The salt content and pH are measured, along with the amount and type of each radionuclide present. The radionuclides identified at the RTP Atomflot facility are usually strontium and cesium.

The waste is also analyzed for oils, which, if found, must be removed before radionuclides and other contaminants are removed.

"Once the waste content is known," explained Czajkowski, "it is run through the appropriate systems in the facility."

The RTP Atomflot facility is now able to process a wide variety of wastes that contain: low, medium, and high salt content; hydrocarbons; surfactants; organic (cleaning solution) contaminants; strontium; cesium; and others.

This success was celebrated at a ribbon-cutting ceremony at

the facility in Murmansk on June 20.

Other U.S. collaborators on the project include: Alan Hecht, Gary Waxmonsky, John Diamante, Robert Dyer, and Eleonora Barnes, all from the U.S. Environmental Protection Agency; and Donald Gardner and Craig Knauss, both from the Raytheon Corporation.

International collaborators included (from Norway) Anita Sorlie and Bredo Moller of the Norwegian Radiation Protection Authority; and Torbjorn Norendal and Harald Rotler from the Royal Ministry of Foreign Affairs; (from England) Ed Butcher, British Nuclear Fuels Unlimited; as well as (from Russia) Alexander Sinjaev and Stanislav Pichugin of RTP Atomflot; and, from ICC Nuclide, Nina Yanovskaya and Olga Kozyreva. — John Galvin

SSD Implements New Security Procedures



Roger Stoutenburgh DOE/BNL

Employees and visitors are entering the Lab main gate in the morning; temporary ID cards are processed for visitors in the trailer at left.

The terrorist attacks on the World Trade Center and the Pentagon on September 11 have tragically affected the nation. As a result, security has been intensified around the country, including at BNL and all other DOE sites.

“This has entailed many changes,” said Russ Reaver, Safeguards & Security Division (SSD) Manager, “the most visible of which are the efforts at the main gate to account for every person on site.”

Unlike before September 11, all who enter the Lab are now required to display their BNL or DOE identity (ID) cards or show personal photo identification so that they may be issued temporary ID cards to wear. All persons are required to display their BNL ID or temporary ID cards while on site. Laboratory management seeks employees’ support in

making sure this is done and in reminding others of this requirement when necessary.

As Reaver emphasized, “SSD has the formal task of protecting the site, but everyone has a role in site security. Therefore, please let us know about anything you think is abnormal or suspicious.”

While these new measures have caused some inconvenience, “For the most part, everyone has been very understanding and cooperative,” said Patrol Officer First Class Mark Opisso, SSD, who has been on duty at the main gate on several recent mornings.

Employees entering the site are getting accustomed to showing their badges and, when requested to do so, opening the trunk to their vehicles.

“It’s not surprising that these security measures are now re-

quired,” said April Gray of the Fiscal Office, who regularly uses the main gate entrance during rush hour. “I have found that police officers at the gate have been polite while doing their job to protect the Lab and its personnel, including me.”

While most employees only see SSD’s “front line” — the uniformed patrol officers — the division has a cadre of behind-the-scenes staff working to support its efforts.

In fact, it takes the combined efforts of many divisions to keep the Laboratory secure. For example, it was Plant Engineering (PE) Division staff who responded to requests to move dumpsters away from buildings. PE also assisted in obtaining a

trailer (above, left) for the main gate where the process of providing visitors and guests to the site with temporary ID is completed with a minimum of delay.

While these and other heightened security measures are required, Reaver asks all employees and visitors to remain patient and stay vigilant. “We will move toward normalcy when the situation allows,” he said, “but we must be prepared to live with some inconvenience for an extended period.

“Therefore, SSD is relying upon everyone for support and cooperation to help protect Lab personnel and property so that we may have the freedom to work in a secure environment,” Reaver concluded.

Inform SSD Promptly About Visitors

It is more important than ever to inform SSD promptly about visitors’ arrivals. At least 24 hours before your guests’ arrival, use the Visitor Information form web address at www.bnl.gov/ssd/bnl_only/VisitorInformationForm.htm to complete a form with the following information: the name of the visitor, the date of the visit, the approximate arrival time, the name of the event being attended or reason for the visit, and the name of the visitor’s sponsor and that person’s extension. For same day visits, BNL employees only may call Ext. 4271, or — in emergency only — Ext. 2280. To notify SSD before 8:30 a.m. and after 5 p.m., call Police Headquarters, Ext. 2238 or Ext. 2239.

Coming Up

Dry humor and exquisite art will be at Berkner Hall on Wednesday, October 24, at 5:15 p.m., when David Bouchier, award-winning essayist for WSHU, will give a humorous talk, “A Year Not in Provence,” about his recent stay in France. Diane Barthel-Bouchier’s museum-quality paintings and drawings of birds — will be displayed in the lobby. All are welcome.

Arrivals & Departures

Arrivals

Elizabeth Hutchinson C-A
Han Gill Lee NSLS
Derek Teaney Physics
Avinash Tope Biology

Departures

Sailesh Chopra Physics
Prasenjit Ghosh Chemistry
John King Rad. Control
Hochun Lee. En. Sci. & Tech.
Marguerite Marsch Env. Sci.
Gregory Slovik . Nonprol. & Nat. Sec.

Alcoholic Rats

(cont’d.)

To see if the D2 receptor levels actually did increase, the scientists studied the brains of one group of rats using sophisticated imaging techniques. They used a radiotracer, a signal-emitting chemical designed to bind to the D2 receptor protein, then detected the signals in brain images called autoradiographs. The strength of the signals indicated that rats injected with the D2 gene did have higher levels of D2 receptors. The levels peaked three to four days after injection and gradually returned to near baseline after eight days.

Then the scientists examined how the injected genes affected the drinking behavior of rats that had been previously trained to self-administer alcohol. Rats that showed a preference for alcohol over water during training were analyzed separately from those that had no preference.

Among the rats that initially preferred alcohol, those that had received the D2 gene showed a 43 percent drop in their preference for alcohol and drank 64 percent less alcohol than rats that received a placebo virus with no genes. Even the rats that

initially had a low preference for alcohol showed significant reductions in both their preference for and intake of alcohol after treatment with the D2 gene.

“This is the first evidence that overproduction of D2 receptors reduces alcohol intake and suggests that high levels of D2 may be protective against alcohol abuse in humans,” Thanos said.

The reduction in drinking preference and behavior in both groups was transient, with both measures returning to baseline levels by eight days after treatment. But a second treatment with the D2 genes produced the same dramatic effect.

“This is just a first step,” said Thanos, who is working with BNL biologist Paul Freimuth to produce a better gene-delivery system that will have a longer-lasting effect.

Other collaborators include Hiroyuki Umegaki and Hiroyuki Ikari of the University of Nagoya School of Medicine; George Roth and Donald Ingram of the National Institute on Aging; and Robert Hitzemann of Oregon Health Sciences University.

— Karen McNulty Walsh

Healthfest 2001 Volunteers Wanted

Volunteers are needed to help with all the events at Healthfest 2001, the Lab’s 9th annual week of health, fitness, and safety, which will be held October 15-19 (see notice, page 4).

To volunteer to help with the walk, run, health fair, mountain bike ride, or any of the sports clinics, call Mary Wood, Ext. 5923, or e-mail wood2@bnl.gov.

Sons to Work Day

On Monday, October 8, BNL will sponsor Take Our Sons to Work Day. Sons between the ages of 11 and 15 may spend the morning with their parent in his or her workplace, then tour BNL and hear career talks. To arrange this, fill out the form sent to all employees this week and return it to Susan Foster, Bldg. 185, before October 1.

If you work in a Lab facility that is unsuitable for a minor, try to arrange for a host parent for the morning visit. The Lab will arrange this if you cannot. Those who would like to volunteer to chaperone during the afternoon tours must first obtain their supervisor’s approval.

Peconic River Public Meetings

DOE and BNL will hold three public roundtable meetings to present the process to be used in making decisions to clean up the Peconic River sediment. A discussion of pilot studies of innovative technologies and the overall cleanup process will be included. All are welcome: community input is important and can influence the process. Call Kathy Gurski, Ext. 7459, if you plan to attend. The meetings will be held:

- Wednesday, 10/3, 1-3 p.m., Berkner Hall
- Thursday, 10/4, 7-9 p.m., Cornell Cooperative Extension, 246 Griffing Ave., Riverhead
- Tuesday, 10/9, 7-9 p.m., Berkner Hall

For more information, see www.bnl.gov/erd/ou5doc.html, or call Ken White, Ext. 4423.

Correction

In the story, “BNL Ranks First in the U.S., in Top Five in Environmental Research Impact,” (The Bulletin, 9/14, 2001), the source for the data should have read “the Institute for Scientific Information (ISI),” not the Institute of Information.

Calendar

(continued)

Tuesday, 10/2 (cont’d.)

Voicestream Wireless Demo
10 a.m. - 2:30 p.m., Berkner Hall. Special rates for BNLers on Voicestream’s wireless network. Richard Goll, (516) 343-5900.

BNL Toastmasters

5:30-7 p.m., Biology, Bldg. 463, Room #160. Guests and visitors welcome. For more information, see www.bnl.gov/bera/activities/toastmstrs/default.htm.

Wednesday, 10/3

BERA Book Fair

10 a.m.-3 p.m., Berkner Hall. New, hardcover best-seller books, including children’s books, at discounts of up to 70 percent. Checks, credit cards accepted.

Hispanic Heritage Month: Music at Berkner

noon-1 p.m., Berkner Hall, Celebrate Hispanic Heritage with Latin-American music.

Divorced & Separated Support Group

noon-1 p.m., Berkner Hall, Room D. Mary Campbell, Ext. 4776, maryc@bnl.gov.

BNL Ballroom. Latin & Swing Dance Club season starts

evenings, North Ballroom, Brookhaven Center. Marsha Belford, Ext. 5053, belford@bnl.gov.

Thursday - Friday, 10/4-5

6th Annual Pine Barrens Research Forum

Berkner Hall. The Forum will compare the Long Island Pine Barrens with the Regional Park in Tuscany, Italy. For more information, contact Tim Green, Ext. 3091, tgreen@bnl.gov.

Saturday, 10/6

Defensive Driving Class

\$23 per person. 9 a.m. - 3:30 p.m., Berkner Hall, Room B. Send a check to Empire Safety Council, care of Scott Zambelli, P.O. Box 670, Mount Sinai, NY 11766, by September 28. Include your phone number.

Bronx Zoo Bus Trip

\$10 adults, \$5 children 2-12 years old. Bus departs Lollipop House at 9 a.m. and leaves the Zoo at 5 p.m. All Lab community welcome. Buy tickets at Rec. Bldg., Tues. & Wed., Oct. 2 & 3, 10 a.m. - noon. Nora Robles, 345-3204.

—WEEK OF 10/8— Monday, 10/8

Spanish Heritage Month Talk

Noon, Berkner Hall. Nora Volkow and Marcello Vazquez will talk about their research.

*Take Our Sons to Work Day

See notice, at left.

Wednesday, 10/10

Rifle & Pistol Club Meeting

noon, Bldg. 535 Conf. Room. Jim Duran, Ext. 5993, Sue Foster, Ext. 5529. Club hotline: Ext. 2658, or www.bnl.gov/bera/activities/rpc/.

Friday, 10/12

Pot Luck for Newcomers

5:30 p.m., Recreation Bldg. The Hospitality Committee invites all Lab newcomers to a pot-luck dinner. Bring your family, and a dish to share. Contact Shashi Somani, Ext. 1064, Mimi Luccio, 821-1435.

Note: This calendar is updated continuously and will appear in the Bulletin when space permits. Submissions must be received by the preceding Friday at noon to appear in the following week’s Bulletin. Please enter the information for each event in the order listed above (date, event name, description, cost) and send it to bulletin@bnl.gov. Write “Bulletin Calendar” in the subject line.

Healthfest 2001: October 15-19
A Week of Health, Fitness, Safety

From October 15 through October 19, BNL employees, retirees, facility-users, and other on-site guests are again invited to participate in Healthfest — the Lab’s ninth annual celebration of personal health, fitness and safety.

The five-day festival has the following activity schedule:

Monday, October 15

- **aerobic stretch** - rain or shine, 11:45 a.m. - noon, at the Science Education Center, Bldg. 438.
- **fitness walk** - 2 miles, rain or shine, noon - 1 p.m., starting at the Science Education Center, Bldg. 438.

Tuesday, October 16

- **aerobic stretch** - rain or shine, 11:45 a.m. - noon, starting at Central Shops, Bldg. 462.
- **fitness run** - 5 kilometers (3.1 miles), rain or shine, noon - 1 p.m., start at the Biology Department, Bldg. 463.

Wednesday, October 17

- **health, fitness & safety fair** - 11 a.m. - 2 p.m., featuring displays, screenings and demonstrations at Berkner Hall, Bldg. 488.
- **golf clinic** - 11 a.m. - noon, and noon - 1 p.m., by the gazebo next to the ball fields (*not the Science Education Center, as listed on the poster distributed on site*).
- **stress-management seminar** - noon - 1 p.m., in Berkner Hall auditorium, Bldg. 488.
- **Jazzercise** - noon - 1 p.m., in the gym, Bldg. 461.

Thursday, October 18

- **health, fitness & safety fair** - 11 a.m. - 2 p.m., featuring displays, screenings and demonstrations at Berkner Hall, Bldg. 488.
- **tennis clinic** - 11:30 a.m. - 1 p.m., at the tennis courts on Bell Ave.
- **Reiki workshop** - noon - 1 p.m., in Berkner Hall auditorium, Bldg. 488.
- **cardio-kickboxing** - noon - 1 p.m., in the gym, Bldg. 461.

Friday, October 19

- **mountain bike ride** - 8 miles with 5-mile bailout, helmet required, starting at the gazebo next to the ball fields.

For more information and to sign up for the stretches, walk, run, health screenings, and/or sports clinics, look for a blue-colored Healthfest flyers at each mail stop or the Healthfest brochures found around site.

Book Fair Next Week

BERA will sponsor a Book Fair in Berkner Hall on Tuesday and Wednesday, October 2 & 3, 10 a.m.-3 p.m. Books will be fun reading, ranging from children’s stories to cookbooks to *New York Times* bestsellers. New, hard-cover books will be in stock and sold at up to a 70 percent reduction. A book raffle drawing will be held and some gift items will also be available. Credit cards and checks will be accepted.

For more information, call Andrea Dehler, Ext. 3347, or M. Kay Dellimore, Ext. 2873.

Hispanic Heritage Celebrations

To celebrate Hispanic Heritage month, September 15 through October 15, the following events will be held at the Lab:

On Wednesday, October 3, noon-1 p.m., musicians will perform in Berkner Hall.

On Monday, October 8, noon-1 p.m. Nora Volkow and Marcello Vazquez will give overviews on their research.

Also, check the web: visit www.bnl.gov/bera/activities/hispanic/. You may test your general knowledge: take the Hispanic Heritage quiz, which is at www.bnl.gov/bera/activities/hispanic/quizreal.htm. Those who achieve the highest scores will win a cookbook.

**BERA Indo-American Association
presents the Dinner Concert**

**‘United We Stand’
Drums of Unity & Peace**

**A Concert to benefit the victims
of the World Trade Center tragedy**

Presented by

Chhandayan World Percussion Ensemble

**Friday, October 5, in Berkner Hall
Dinner from 5:30 to 7 p.m.
Concert from 7 to 9 p.m.**

**Donations: \$75, \$50, and \$20
Checks payable to “BERA-IAA”
BSA may match funds**

Hear musicians Samir Chatterjee, Mario Monaco, Emiliano Valerio, Daniel Weiss, Yousi Sheronick, and Sangahamitra Chatterjee play various instruments, including tabla, khol, ektara, dohl, dhak, conga, frame drums, drum set, bata, berimbau, jimbe, dholak, cwica, bongo, dumbuck, pandeiro, jingle, shaker, and more.

For more information, contact:

A.M. Topé, Ext. 5672, tope@bnl.gov

Srini Iyer, Ext. 7655, srini@bnl.gov

Ila Campbell, Ext. 2206, ila@bnl.gov

Mangala Tawde, Ext. 3405, mtawde@bnl.gov

or see www.agsrhicome.bnl.gov/People/ila/activity.html



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Advertisements**

Placement Notices

The Lab’s placement policy is to select the best-qualified candidate for an available position. Candidates are considered in the following order: (1) present employees within the department/division and/or appropriate bargaining unit, with preference for those within the immediate work group; (2) present employees within the Laboratory; and (3) outside applicants. In keeping with the Affirmative Action Plan, selections are made without regard to age, race, color, religion, national origin, sex, disability or veteran status. Each week, the Human Resources Division lists new placement notices, first, so employees may request consideration for themselves, and, second, for open recruitment. Because of the priority policy stated above, each listing does not necessarily represent an opportunity for all people. Except when operational needs require otherwise, positions will be open for one week after publication. For more information, contact the Employment Manager, Ext. 2882; call the JOBLINE, Ext. 7744 (344-7744), for a list of all job openings; use a TDD system to access job information by calling (631) 344-6018; or access current job openings on the World Wide Web at www.bnl.gov/JOBS/jobs.html.

LABORATORY RECRUITMENT – Opportunities for Laboratory employees.

NS9068. PROJECT ENGINEER I (P-9) – Requires a BS in a scientific, technical or project management discipline, advanced degree preferred, and 5-7 years’ pertinent experience. Emergency preparedness knowledge, requirements and ability to design and run exercises are also required.

Project management, or regulatory interface experience, excellent negotiation and communication skills and demonstrated interpersonal and problem solving skills are necessary. Training, procedure development and administration background is desirable. Emergency Services Division.

OPEN RECRUITMENT – Opportunities for Laboratory employees and outside candidates.

MK8565. BUSINESS OPERATIONS MANAGER, FACILITIES & OPERATIONS DIRECTORATE (M-1) - Reporting to the Budget Officer and functionally as senior manager to the ALD, Facilities and Operations, responsible for business administration for a large and complex directorate. Manages overall business operations for the Plant Engineering, Central Shops, Safeguards and Security, and Emergency Services Divisions, and the administrative staff currently assigned to these divisions. Prepares and submits budgets for assigned resources, develop rate structures and cost plans, and monitor funding flow, revenues and expenditures, etc. Complexity of business operations includes integrating the provisions of two bargaining unit agreements into business processes, supporting the needs of major charge-back services operations using both in-house and contract labor, and coordinating with construction budgeting and contract administration activities. Performs financial analysis for trending and corrective actions, as well as financial studies for new F&O initiatives. Will develop and deliver presentations as well as support the negotiations for electric power, natural gas and fuel contracts and assist in the billing process. Extensive interaction with key business support functions such as Legal, PPM, Fiscal, HR and DOE. Requires a minimum of an MBA or equivalent. Extensive, progressively related work experience (15 years or more), including demonstrated supervisory skills, and broad knowledge of BNL budget-

ary and financial management processes required. Must be experienced with PC-based business software applications and have a working knowledge of Peoplesoft applications. Must possess strong analytical, written and communication skills. Budget Office.

MK2219. POSTDOCTORAL RESEARCH ASSOCIATE – Requires a Ph.D. in chemistry and experience in reaction kinetics and mechanics. Experience with pulse radiolysis techniques and lasers highly desirable. Research will involve characterization of primary radical species induced by radiolysis of ionic liquids and supercritical solvents and study of their subsequent reactivity and investigations of electron transfer reactions in these media. Under the direction of J. Wishart. Chemistry Department.

TB2048. TECHNICIAN AIDE (TW-1) - Requires good mechanical skills, the ability to work with basic hand tools and shop machines. Good communication skills and the ability to work as part of a team are important. Tasks include installation of mechanical and vacuum parts. Accelerator Test Facility, National Synchrotron Light Source Department.

the Bulletin

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On the World Wide Web, the Bulletin is located at www.bnl.gov/bnlweb/pubaf/bulletin.html. A Weekly Calendar listing scientific and technical seminars and lectures is found at www.bnl.gov/bnlweb/pubaf/calendar.html.

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