News & Views
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Dr. Gordon Whiteley Takes on Challenge of New Diagnostic Test for Ovarian Cancer

Dr. Gordon Whiteley, Director of the Clinical Proteomics Reference Laboratory, has taken on the task of developing proteomics pattern recognition as a diagnostic test for ovarian cancer. This is one of the most exciting

findings to come out of the NCI/FDA proteomics program and one which answers a critical need—the rapid diagnosis of ovarian cancer at early stages of the disease.

"This is truly an exciting program."

To allow treatment when it can have the most positive outcome, he and his staff are working to make this new tool available to the public as quickly as possible. Dr. Whiteley's staff will set up a routine diagnostic service and will file the method with the FDA for approval for use by other diagnostic laboratories. "This is truly an exciting program," he says.

Dr. Whiteley graduated from the University of Toronto with a Ph.D. in medical microbiology and ran a routine diagnostic laboratory for MDS International, the third largest diagnostic laboratory in North America.

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Ethics Corner

On an Internet Web site, you have found some helpful information for an article you are writing. Do you have to cite your source? After all, the Web site seems to be in the public domain because anyone can access it. Do copyright laws apply to information culled from Internet sources? Turn to page 3 to see if your opinion agrees with that of our resident expert in Human Resources.

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Emergency Response Procedures You Should Know

The Environment, Health, and Safety Program (EHS) has been distributing a monthly series of NCI-Frederick-specific, life safety and fire prevention topics through the local Intranet. With Fire Prevention Week in October, most of us have by now participated in an evacuation drill. But do you know other procedures to follow in emergency situations? Below are some reminders from Tim Rowe's monthly articles. Please familiarize yourself with this information so that you can respond immediately and appropriately to an emergency situation.

Telephone Numbers

- Dial 1410 to report a fire.
- Dial 911 for all other emergencies.

Fire

- Notify personnel in immediate area by shouting "Fire!"
- Evacuate immediate area.
- Activate fire alarm.
- Dial 1410.
- Do not attempt to control a fire without appropriate training.

Medical

- Do not move victim, except for safety reasons.
- Dial 911.

Hazardous Material

- Evacuate and secure immediate area.
- Dial 911.
- Do not attempt to clean up a spill without appropriate training.

Facility Evacuation Signal/Fire Alarm

- Report to the designated assembly area.
- Contact your supervisor or EHS (x1451) if you are not familiar with the assembly area location(s) for your building.

Please contact EHS at x1451 if you have any questions or comments regarding safety, health, or environmental issues.

Arthur's Corner

First Contract Year: Changes and Success

This past year has been one of change and success. To operate the new five-year Operations and Technical Support Contract with the National Cancer Institute (NCI), we have been established as a wholly-owned subsidiary, SAIC-Frederick, Inc.

Through established and new programs, our partnership with the NCI provides vital support in the mission to cure cancer and AIDS. Although I hesitate to note successes since, invariably, some will be missed, I want to mention several of this year's outstanding achievements.

The Applied/Developmental Research Support Directorate has given such excellent support to NIAID and NCI that NIAID continues to increase its reliance on this Program for its clinical studies and has requested that we establish a contract research organization and coordinate the Jackson Foundation vaccine trials.

No better example of translational research—moving basic research findings to practical applications—can be found than in the **Biopharmaceutical Development Program** (**BDP**). This group has not only produced materials for testing in patients to determine cancer treatment effectiveness, but also has developed more efficient processes to produce and prepare materials for clinical trials. One example of particular interest after the events of September 11, 2001, is a vaccine against anthrax that was released for clinical trials.

Due in part to the success of the BDP's work, the Vaccine Research Center, NIH, asked that we develop a facility to manufacture vaccines for clinical trials. Initially, the vaccines were to be for AIDS research; however, concerns about bioterrorism have widened the focus to include experimental vaccines against smallpox and anthrax.

Dr. Criss Tarr, Director, heads the **Vaccine Development Facility** (VDF); an architecture and engineering firm has been selected to design the facility.

The BDP and VDF products produced for clinical trials would not be possible without the strong basic research program here, which includes immunology of cancer, studies of stem cells, AIDS vaccines, etc. Even before clinical trials occur, we test many of these potential AIDS and cancer treatments in rodents, through the **Laboratory Animal Sciences Program** (LASP). LASP provides rodents for research and participates in the Mouse Models for Human Cancer Consortium. Reflecting confidence in our handling of that program, the NCI has asked SAIC-Frederick, Inc.'s LASP to take over rodent and primate animal care at NCI-Bethesda. LASP now cares for all of NCI's animals at NCI-Frederick and in Bethesda.

In the **Research Technology Program** (**RTP**), Dr. Tim Veenstra, Mass Spectrometry Laboratory, and Dr. Jim Hartley, Protein Expression Laboratory, now form the basis of our support in the burgeoning field of proteomics. In February 2002 NCI investigators published a new concept for detection of ovarian cancer, one of the most exciting findings to come out of the NCI/FDA proteomics program. The RTP has already set up a laboratory and hired a laboratory director for development of this ovarian cancer assay to obtain FDA approval. Congratulations to Dr. Stephen Lockett for being awarded the Janis Giorgi "Scientist of the Year" award.

I am very pleased with the progress we have made in **Facilities Maintenance and Engineering** (**FME**). Bill Lonergan, Director, and his team have extensively utilized the Directorate Support Team concept we developed to "individualize" FME support. Systems in place have resulted in a significant reduction in work order backlogs, as well as considerable savings to the NCI.

The Environment, Health, and Safety Program (**EHS**) provided a Herculean effort to resolve security issues and calm people's fears, from helping our Mailroom institute guidelines to guard against possible anthrax contamination to ensuring that we all knew and followed the continuing and new safety and security procedures.

The group that helps coordinate everything from making sure that our paychecks are on time to providing us with a highly sophisticated contract and mechanisms to support the cancer research, cancer therapy, and efforts to combat bioterrorism, is **Contracts and Administration**. Their extraordinary efforts ensure that operations and technical support run smoothly.

These are just a few of the many exemplary achievements of our first year in the new contract. Thanks to all of you, we will continue in our partnership with NCI to make great strides in our mission to cure cancer and AIDS in the twenty-first century.

SAIC Funds Scholarship

Each year, the National Merit Scholarship Corporation awards thousands of scholarships to deserving students. This year, the Corporation awarded more than 7,600; of those, SAIC Corporate funded 10 National Merit Scholarships for children of employees of SAIC or its subsidiaries. One of those was Devarati Mitra,

daughter of Dr. Gautam Mitra, Technical and Program Director for the Biopharmaceutical Development Program, SAIC-Frederick, Inc.

As one of the top 10 SAIC winners, Ms. Mitra will receive an undergraduate scholarship for each of the next four years at Stanford University. Our Corporate newsletter, SAIC Employee Update, notes that scholarship selections "are based on academic achievement, PSAT/NMSQT test scores, and on other criteria set by the National Merit Scholarship Corporation." Ms. Mitra took the qualifying examination in October 2000, which automatically entered her into the pool of applicants for an SAIC scholarship.

Recently, Devarati e-mailed her father that "Stanford has exceeded my expectations in every way. From the incredibly friendly students to the highly accessible and passionate professors, everyone around me seems set on making my first few days a truly memorable experience. During my time here I hope to continue my research from the National Institutes of Health in one of the many molecular biology laboratories on campus." Not a girl for all work and no play, she added, "I also can't wait to start learning how to windsurf under the sunny California sky."

If you have a son or daughter who is a high school junior preparing to take this year's National Merit Scholarship exams, get information from the PSAT/NMSQT Student Bulletin available from your child's school. Or contact Rhonda Fox, McLean Corporate Human Resources, 703-676-6130.

Important Changes to Your Vanguard 401(k) Plan!

By now, you will have received notice of changes in your Vanguard 401(k) plan, but we thought it would be helpful to review the changes that were recently instituted. In June of 2001, President Bush signed the Economic Growth and Tax Relief Reconciliation Act of 2001 (EGTRRA) into law. EGTRRA includes numerous provisions that provide increased financial incentives to save for retirement.

What Are the Changes?

Vesting Schedule: Until the recent change, our Savings Plan had a 4-year vesting schedule. This has changed to a 3-year vesting schedule, which means that any match that the Company contributes will belong to you 100% after 3 years instead of after 4 years. The vesting for the Pension plan remains at 5 years of service.

Employee Contribution Percent: Until the recent change, our Plan allowed for a maximum of 15% of pre-tax income to be contributed. This has now increased to a maximum of 25% of pre-tax income.

Plan Year Change: Before, our plan year ran October through September. This has changed to a calendar year plan—January through December. The calendar year plan will greatly simplify both the administration of the plan and communications about how the plan works. Because of this change, October 1, 2002, through December 31, 2002, will be considered a "Short Plan Year" as defined by the IRS rules governing plans of these types.

Hardship Withdrawals: The suspension time of employee contributions has been reduced from 12 months to 6 months.

Qualified Rollovers: 401(k) plans such as ours are now allowed to accept rollovers from 403(b) plans and 457 plans.

Elective Deferral Limits During the Calendar Year: During 2001, the total amount that the IRS allowed to be contributed by a participant was $10,500. This year, 2002, that amount increased to $11,000. This will again change in 2003 to $12,000. These adjustments to the limits are automatically made in our HR/Payroll System.

Catch-Up Contributions: Extra contributions called "Catch-Up Contributions" are now allowed for employees who are age 50 or older. A special notice explaining this new option has been sent to all employees who were born in 1952 or earlier.

When Did These Changes Officially Start?

Some of these changes took effect at the beginning of this calendar year: Hardship Withdrawal contribution suspension time, Qualified Rollover changes, and Elective Deferral Limits. All other changes (Vesting Schedule, Employee Contribution Percent, Catch-Up Contributions, and Plan Year Change) began on October 1, 2002, the start of our "2002 Plan Year." This is in compliance with the EGTRRA tax law requirements. *(Continued on page 5)*

(Continued from Ethics Corner, page 1)

Ethics Corner

All copyright laws apply to the Internet! Material is protected by copyright at the point it is first printed, formed as a physical object, captured on film, drawn, or saved to an electronic file. Even something as simple as downloading an article from a magazine and posting it to a newsgroup is a concern and may violate copyright laws.

The Copyright Act of 1976 is a very complex area of the law. If you have specific questions or would like to learn more, please visit the United States Copyright office Website at http://lcweb.loc.gov/copyright/. In addition, at the Scientific Library you can contact the reference staff (x1682) for information on how to cite Internet sources.

"Bat's" Incredible!

[Editor's note: Our thanks to Robin Pickens in the Environment, Health, and Safety Program, for this intriguing look at the complex world of bats. Robin gleaned information from the Web sites and articles listed at the end of this article.]

With all the concerns about mosquitoes and West Nile Virus that we've had the past few months nationwide, as well as in the Frederick-Washington-Baltimore corridor, it may be time to reassess our aversion to bats and association of them with Halloween. In fact, the U. S. Postal Service made its first-ever bat stamps available last September, joining at least 75 other countries that have celebrated bats through postage stamps.

Despite their association with witches, ghoulies, and vampires, and even though bats often get a bad reputation as carriers of rabies and other diseases, many experts consider them to be one of nature's most beneficial, harmless, and intriguing mammals.

Comprising nearly a fourth of all mammal species, 42 of the 1,000 bat species are found in the US. The Little Brown Bat, about the size of your thumb, is one of the most common bat species found in the Mid-Atlantic region; it feeds on flies, beetles, mosquitoes and other flying insects.

Although all bats can see to some extent, many species use echolocation, a kind of "seeing" that is based on sound. Combined with their aerobatic flying capabilities, echolocation makes bats extremely successful insect hunters. In fact, bats out-perform all other predators of night-flying insects. Some species can chow down on 500-1000 mosquitoes in a single hour!

A healthy bat community is critical to nearly every ecosystem. In addition to pest-preying bat species, tropical bat species eat fruit and spread the seeds, which reforest certain areas. Other bats pollinate cash crops. Unfortunately, bats are the most endangered land mammals in North America. More than 50% of American bat species are endangered, or under consideration for listing as endangered. Some factors threatening their survival are habitat loss, extermination and over-exploitation, pesticide use, and human disturbance.

Once bats have taken up residence in your attic or eaves, it's difficult to remove them, especially if they haven't an alternative place to roost. Since state and federal laws prohibit extermination of bats, you might want to provide bat houses to encourage them to seek homes outside of your own. By erecting a bat house, you'll not only contribute to bat conservation, but you'll also aid the natural control of mosquitoes.

If you are interested in some literature and information on bat houses and research, contact Robin Pickens in EHS at rpickens@ncifcrf.gov or 301-846-1451, or check out the "Bat Links" and articles on the next page.

Reggae Concert

The Frederick Employee Diversity Team (EDT), in conjunction with the Employee Recreation Council (ERC), recently sponsored a reggae concert. Approximately 500 people attended the daytime event which was designed to "expand individuals' life views through exposure to another culture," according to Shannon Bell, NCI-Frederick Program Manager.

http://www.batcon.org

http://www.batcon.org/bhra/economyhouse.html

http://www.lads.com/BasicallyBats

http://www.lhs.berkeley.edu

http://www.wec.ufl.edu/extension/bat_house.htm

http://www.wildaboutgardening.org/en/features/section2/brownbat/little_brown_bat.htm

http://luna.cas.usf.edu/~rviggian/batspage.htm

Ripple, Renee. "Won't You Be My Neighbor? Welcoming Bats to the Neighborhood," University of Florida Alumni Newsletter. 3(1):18-19, 2002.

Tuttle, Merlin D. "Bats, Man-made Roosts, and Mosquito Control," The Bat House Researcher, Bat Conservation International. 8(2):6, 2000.

The Name Game

Recently, SAIC-Frederick, Inc., directors changed the names of a major program and directorate to more accurately reflect the nature of their work. The former Intramural Research Support Program has become the Basic Research Program (BRP), while the former Basic Research Program Directorate is now the Basic Science Program (BSP) Directorate. Ms. Amy Huter-Imming continues as BRP manager, while Dr. Mary Carrington is head of the BSP.

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How Do I Become a Participant or Make Changes in My Elections?

During September, Enrollment/Change forms were available in Human Resources, Building 371. Although change forms had to be submitted by September 27th in order to be effective on the October 11th paycheck, you may enroll at any time if you have never before enrolled in the SAIC-Frederick, Inc., Plan. If you have questions, please call Human Resources at x1146.

Reaching Out with Hands-on Healing

NCI-Frederick is known for translational research—moving research from the laboratory to practical patient applications.* In a way, Dwight Hill has leaped from the laboratory to patient bedside.

Hill, a BDP Quality Assurance validation engineer, uses massage in volunteer work to help Hospice patients manage pain. Even after four years as a certified massage therapist, he is not sure why he sought specialized training. "I'm not a hands-on person, not a toucher," he insists.

Hill says that the Hospice workers, who helped him care for his mother until her death in 1994, were "great people. They knew what we needed before we did. Everyone should have what you have in Hospice—friends, someone to stop the pain. All the nurses, male and female, are great; they are warm and caring. Why doesn't everyone get this kind of caring?" He decided to volunteer at Hospice.

Hill averages one or two Hospice massage patients monthly, matching technique to need. "Touching is all some people need; others have definite medical problems—sometimes the medicine doesn't work—lung cancer is extremely painful—and other interventions such as massage can dull the pain" so that the medicine can work. As Hill talks about his patients, his compassion and gentle nature shine through.

Although he began by sitting with the sick, it wasn't long before a nurse asked him to massage a patient with severe sinus blockage. Because of the patient's ALS (amyotrophic lateral sclerosis), she couldn't take sinus medication. Between his massage and the nurse aspirating as the sinuses unclogged, they were able to provide the woman with much easier breathing.

Hill describes a stroke victim who was so improved with massage therapy that he was released from Hospice care. Now, a year later, the stroke victim has gained weight and can stand. Hill says, "It's not me; it's God doing it. The purpose of the massage is to get people out of pain; that's what I do."

Massage therapy has helped Hill physically as well as spiritually. When he began working toward certification, his arthritis was so bad in his hands that he could barely write his name. Now, his arthritis has lessened; although he still has some discomfort, he can write for long periods of time and has little pain.

Hill insists that the patients and Hospice workers have given him much more than he has given them, and he says emphatically, "It's easy to put yourself aside, focus on helping this person on his journey. We're all going to go down this road. It's not if, it's when."

**Also see our article on the new NCI-Frederick Website, "Spotlight on…Dr. Craig Reynolds," Director of the Office of Operations for NCI-Frederick.*

Important Telephone Numbers

Ethics Hotline 1-800-435-4234
Human Resources Department . . . . . (301) 846-1146
Benefits Questions, HR Department . . . . . (301) 846-1146
SAIC Stock Programs 1-800-785-7764
SAIC Stock Price 1-888-245-0104

Important Dates

Winter Staff Meeting . . . . . **December 18, 2002**

SAIC Stock

Current SAIC Class A Stock price as we go to press is $28.31; the stock price last quarter was $33.06.

Stock Price Set	Future Trade Dates*
October 11, 2002	October 25, 2002

**Dates are subject to change.*

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For the last 20 years he has concentrated on immunodiagnostics, doing research and development of a wide range of tests, including tumor markers, steroid and hormone assays, assays for infectious diseases, thyroid function, cardiac markers and therapeutic drugs. He has successfully filed more than 75 tests with the FDA.

Dr. Whiteley lives in Potomac with his wife, Ann, and two daughters. His son, who graduated last spring from college with a degree in computer science, works in Washington.

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