



Ft. Detrick's 60th Anniversary story on page 3.

# Poster

## News from the NCI-Frederick Office of Scientific Operations

This year we celebrate the 60th anniversary of Fort (Ft.) Detrick. Ft. Detrick's roots can be traced to a small municipal airport known as Detrick Field<sup>1</sup>. The Field was named to honor Major Frederick L. Detrick, who served in France during World War I. The first military presence at the airfield was in 1931 when the Maryland National Guard established a cadet pilot training center at Detrick Field and subsequently changed the name to Camp Detrick.

As we pause to think about the history of Ft. Detrick and the many contributions that the staff of Ft. Detrick has made in the areas of infectious disease and national defense, it seems that now is an appropriate time to also look back at the history of the NCI here at Ft. Detrick. On November 25, 1969, then-

President Richard Nixon renounced the further development and use of biological warfare by the United States<sup>2</sup>. As a consequence of this policy, the Army's Biological Defense Research Laboratory at Ft. Detrick was disbanded, resulting in many open labs on the Ft. Detrick campus. On October 18, 1971, President Nixon announced that these laboratories would be used to develop one of the nation's leading centers for cancer research, functioning as a Government

Owned-Contractor Operated (GOCO) facility.

The first employees of the NCI-Frederick (then known as the Frederick Cancer Research Center) appeared on campus in June 1972 and numbered around 20 by the end of that month. By 1976 these numbers had grown to about 750 individuals, and by 1987 the staff numbered over 1,400 with a budget of nearly \$100



Archive photo, U.S. Army Garrison, Ft. Detrick

million per year. Today, NCI-Frederick is the largest biomedical research organization in Frederick County, with nearly 3,000 employees, in over 100 buildings totaling 1.3 million square feet, and with a budget of over \$300 million per year.

What a long way we have come since the days of Camp Detrick. But as we think about the history of NCI-Frederick, we should also keep in mind the daunting journey ahead.

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# News from the NCI-Frederick Office of Scientific Operations

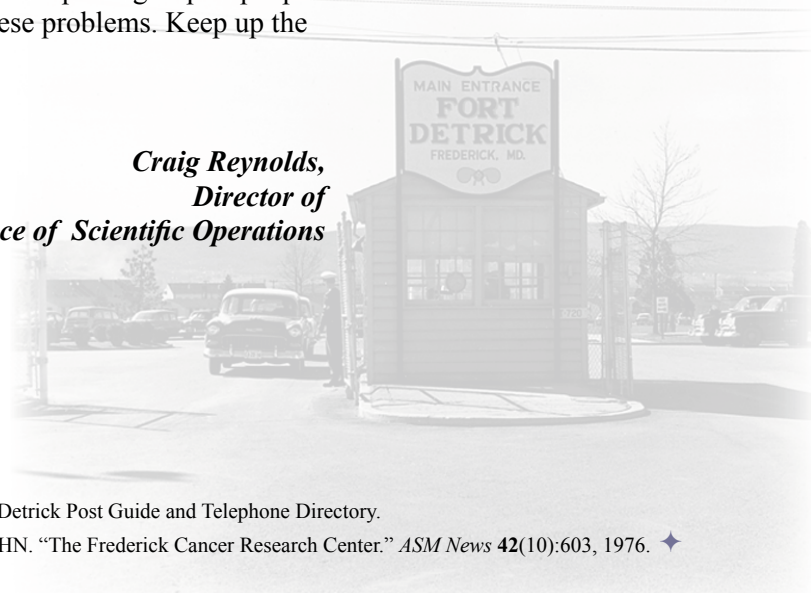
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These startling statistics on cancer and AIDS exemplify the importance and urgency of our work:

- 1.3 million new cases of cancer are expected this year in the U.S. alone.
- Over 500,000 people in the U.S. will die this year from cancer.
- In 2003 more than 3,400 new cases and 1,400 deaths from cancer are expected in Frederick County alone.
- Presently, nearly 42,000,000 people worldwide are infected with the AIDS virus.
- By the time the AIDS epidemic is over, it will have been the most devastating epidemic in the history of the world.

Yes, we have come a long way, but there is still much to do. One note of comfort: I can't think of a more dedicated and capable group of people to tackle these problems. Keep up the good work!

**Craig Reynolds,**  
*Director of  
the Office of Scientific Operations*



<sup>1</sup>2002 Fort Detrick Post Guide and Telephone Directory.

<sup>2</sup>Glassman HN. "The Frederick Cancer Research Center." *ASM News* 42(10):603, 1976. ♦

## NCI-Frederick Emergency Preparedness Committee

The NCI-Frederick Emergency Preparedness Committee strives to ensure that employees are informed, aware, and prepared should emergency situations arise. Recently, the committee launched two programs aimed at communicating preparedness information to the community.

This past summer the committee launched the NCI-Frederick Emergency Preparedness Web site (<http://www.ncifcrf.gov/campus/emergency>). This Web site serves as a central point of information concerning emergency preparedness and security awareness issues at NCI-Frederick. The site includes important phone numbers, links to reference material and guidelines, and recent news. In the event of an emergency, this site will also provide timely information and instructions for employees.

You may have also seen the recent e-mail messages from our testing of the **Emergency Notification System (ENS)**. The ENS can quickly send e-mail messages throughout NCI-Frederick to communicate crucial information to the campus community. In the coming weeks the committee will add instructions to the Emergency Preparedness Web site to show you how to add "pop-up" and

audio notifications to alert you when messages arrive from the ENS.

Your Emergency Preparedness Committee is determined to help establish a community of informed, aware, and prepared employees at NCI-Frederick. We will continue to keep you informed about these efforts through memorandums, e-mail, our Web site, and (of course) upcoming issues of *The Poster*. ♦

### Important Phone Numbers

|                                   |      |
|-----------------------------------|------|
| Protective Services.....          | 1091 |
| Occupational Health Services..... | 1096 |
| Fire.....                         | 1410 |
| Medical Emergency.....            | 911  |

## Fort Detrick's 60th Anniversary

### *Five NCI/NIH Employees Among Those Honored at Ft. Detrick Forum*

At a recent symposium focusing on Fort Detrick's 60th anniversary, Representative Roscoe Bartlett (R-MD) recognized Mr. Orley Bourland, Mr. Ron Defelice, Dr. Henry Hearn, Ms. Ruth Herring, and Dr. Robert McKinney, among 40 employees representing the many NCI, NIH, and Fort Detrick employees who have made "extraordinary contributions to biomedical research advances against many of the world's deadly infectious diseases and toxins" at Fort Detrick in the past 60 years. Fort Detrick is a unique facility, hosting partnerships between military and civilian agencies such as NCI.

**Orley Bourland** supervised the safe production of agents such as anthrax in the nation's first pilot plant. When production ended, he directed the building's decontamination. In 1972, Mr. Bourland joined the National Cancer Institute and contributed to the nation's war on cancer until his retirement in 1988.

**Ron Defelice** began his Fort Detrick career in 1963. As a contracting officer for the Army, then for NIH, and later for NCI-Frederick, over the next 40 years he ensured that billions of taxpayers' research and development dollars went where they would bring the most value in the fight against infectious diseases and cancer.

**Dr. Henry Hearn** was Chief of Experimental Biology and of Microbiology for the Army. At NCI-Frederick from 1972 until his retirement in 1990, Dr. Hearn oversaw scientific research contracts. To this day, he continues to serve as an essential member of the National Cancer Institute's Biosafety Committee.

**Ruth Herring** arrived at Camp Detrick in 1943 as a young Army

recruit and worked as a laboratory assistant in the biological program. Among the tens of thousands who have worked at Fort Detrick over its 60-year history, she alone has shared each day of that history. Ms. Herring is still faithfully serving in the tissue culture laboratory of the National Cancer Institute at Frederick.

**Dr. Robert McKinney** came to Fort Detrick in 1960, to develop vaccines for viral diseases. He and his colleagues vaccinated countless horses, saving South American and American livestock industries from disastrous loss due to Venezuelan equine encephalitis. Dr. McKinney also served as project officer for the biocontainment construction of what is now USAMRIID. In 1980, he became Chief of Occupational Health and Safety for the National Institutes of Health. Now retired, he is frequently called upon for his experience and guidance.

Dr. Jan Paulsen, President of the Seventh Day Adventist World Church, offered an opening prayer at the recognition ceremony. Speakers at the event included Dr. Anthony Fauci, Director of the National Institute of Allergy and Infectious Diseases; keynote speaker Congressman Tom DeLay (R-TX), Majority Leader of the US House of Representatives; and Major General Lester Martinez-Lopez, US Army Medical Research and Materiel Command. Dr. Robert Wiltrout, Associate Director for NCI-Frederick, represented Dr. Andrew von Eschenbach, NCI Director.

According to an article in the Frederick News-Post (The News-Post, Sunday, Oct. 5, 2003, A-5) Major General Lester Martinez-Lopez, US Army Medical Research and Materiel Command, spoke about Detrick's

continuing presence as a leader in biomedical research. Representative DeLay commented that Fort Detrick comprises "Good men and women serving for the dignity of mankind ... fighting against evil. That is the definition of Fort Detrick and I think the definition of heroism." Dr. Fauci pointed out that NIAID plans to partner with USAMRIID in bioterrorism research.

The forum took place at the Knott Arena, Mount St. Mary's College, Emmitsburg, on October 4.

The 229th Maryland Army National Guard Band played marches, and soloist Viola Whielden provided musical entertainment, while a local former radio announcer, Tommy Grunwell, acted as emcee for the event. ♦



# Major Construction Projects

## Major Construction Projects Will Cause Traffic Delays Through the Main Gate

The Fort Detrick Master Planner's Office announced that the first of several new major construction projects along some of Fort Detrick's main traffic arteries is scheduled to begin within the next few weeks. Individuals with decaled vehicles who are currently using the front gate as their primary point of entry onto the fort may want to consider using either the Opossumtown Pike Gate or the Old Farm Gate off Rosemont Avenue instead. Both gates are open from 6 a.m. to 6 p.m. Monday through Friday, while the Seventh Street Gate is open 24 hours a day. The construction projects, one of which includes the reconfiguration of the Main Gate, will impact the local traffic flow for the next several years.

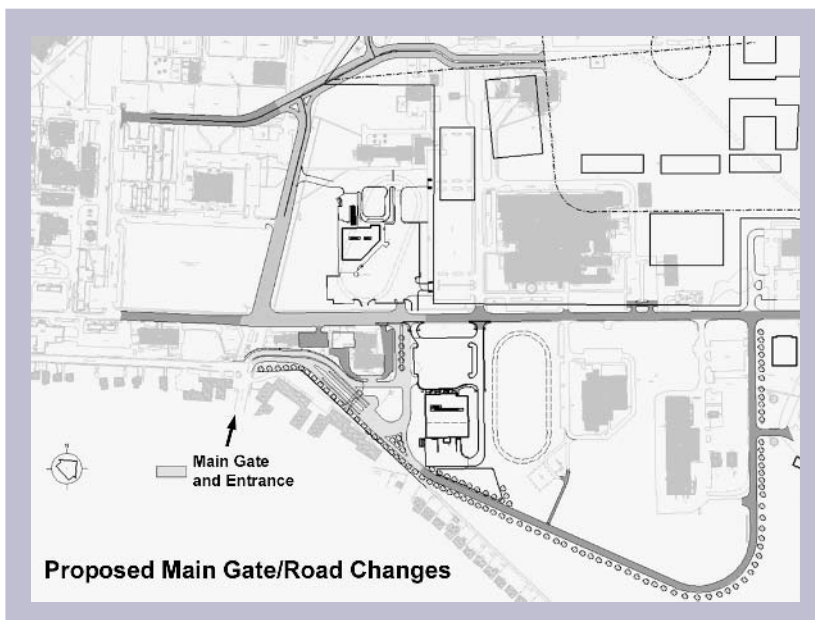
Details of the upcoming construction and renovation projects were outlined in a presentation by U.S. Army Garrison Commander Colonel Ball to a group of Frederick County residents at a September 22nd public meeting at Strough Auditorium. The projects under development include:

### Mini-Mall Construction Project

On October 24, 2003, a groundbreaking ceremony marked the beginning of the construction of a new mini-mall at the corners of Porter Avenue and Ditto Street. The planned 27,007 square foot mini-mall will include a shoppette, military clothing sales section, a Class Six, laundry/

dry cleaning, tailor shop, barber and beauty shop, food facility with drive-thru, and a canopy-covered gasoline sales area.

Construction of the mall will mean that heavy equipment and trucks will have to use the Seventh Street Main Gate to access the area. Expect delays and slower than usual traffic flow through the front gate area while construction is proceeding.



### Main Gate Renovation

Current security requirements dictate that automobiles without decals can gain access to the fort only through the Seventh Street Main Gate and only after adequate identification has been provided. The resulting traffic delays and backups at the front gate have been a long-term problem for both city residents and Fort Detrick workers. The problem is especially bad during peak rush hour times as workers entering or leaving the fort try to safely navigate around drivers traveling down Seventh Street or turning onto Military Road. Next spring, a \$3 million renovation project will reconfigure the Seventh

Street Main Gate and will permit Fort Detrick Security to divert traffic to a lane inside the gate to conduct searches and checks.

To help alleviate delays or congestion at the Main Gate area, it is recommended that individuals with decaled vehicles use one of the post's two other entrances at Old Farm Gate off Rosemont Avenue and the Opossumtown Pike entrance.

### Other New Construction Projects

While a groundbreaking date has not been officially set, construction of a new Commissary, on Porter Street across from the new mini-mall, is expected to begin sometime next year.

Funding has also been approved for the renovation of the post's Fire Station. The renovation, which will also occur later this year, will provide more storage space and easier access to equipment.

Other approved construction projects currently scheduled to begin within the next two

years include a project to build 165 family homes for officers and enlisted personnel, the construction of three new barracks and a dining facility, and a new state-of-the-art research facility for the U.S. Army, the National Institute of Allergy and Infectious Diseases and NCI-Frederick.

The current Fort Detrick Master Plan also includes plans for the construction of a golf course, parks and other recreation areas on the post's main Area "A" and Area "B." ♦

## Building 470 Update

By the time you are reading this, the dismantlement of Building 470 will nearly be completed. The contractors hope to finish by late December or early January. Safety inspectors have continued to monitor the site very carefully. In an update briefing in mid-October, Carol Shearer, Project Manager, noted that approximately 2,250 samples had been taken and tested for *Bacillus anthracis*. "We've run out of places to test," she said. "Now we're doing air samples."

Controlled Demolition, Inc., the firm chosen for this work, has been highly sensitive to the needs of NCI-Frederick employees, working inside the building as much as possible, and at night and on weekends when noise is less likely to disturb the important scientific work going on here. This last, third phase differed from the earlier phases in that since Buildings 431 and 469 are so close to 470, the separation had to be done by hand, brick by brick.

Because of the close proximity of Buildings 431 and 469, plans as of mid-October were to stud out and waterproof the adjacent walls which were separated from 470 by only a few inches.

As of this writing, more than 900,000 pounds of debris had been removed from the site, and 535,000 pounds of equipment and metal taken for smelting. Most of the rubble goes to the Frederick landfill, while metal is sent to Conservit in Hagerstown, which then sends the metal to North Carolina for smelting.

Weekly postings are made to the Web site to keep you as up-to-date as possible. Go to <http://web.ncifcrf.gov/campus/470update/> for current information and pictures. The site is very specific and gives you detailed information about the current week's planned activities, major equipment expected to be in place, and a description of the work to be performed. ♦



## Scientific Publications, Graphics & Media News

### *Digital Video and Multi-Media Capabilities Expanding*

Media specialists in *Scientific Publications, Graphics & Media (SPGM)*; formerly “Publications”) are expanding capabilities with the acquisition of the most up-to-date digital tools for both still and motion image capture and processing. Over the past two years, in addition to transforming still photography from analog to all-digital, the department has added two digital video cameras, new lighting equipment and a non-



linear digital video editing system, significantly advancing the unit’s ability to meet new requirements. Now, plans are on the drawing board for space renovations that will provide modern audio and video recording studios and engineering space, enabling the department to offer services previously unavailable.

New services available now include digital audio- and video-taping, sound and picture editing and finishing, and duplication and replication services. Products include finished audio and video tapes, compact discs (CD), video compact discs (VCD), and digital versatile discs (DVD).

New equipment also allows SPGM staff to convert video standards, that is, to copy a tape that normally plays only on standard equipment in the USA (the NTSC standard) to one that will play on

equipment in other parts of the world that use different video playback standards (e.g., PAL, SECAM). Conversely, SPGM can also copy foreign-standard tapes to conform to the US standard.

Renovation to the SPGM facilities is scheduled to begin in late January 2004 and be completed on or about April 1, 2004. If you have any sort of video or multi-media project in mind, there’s never been a better time to consult with media professionals in SPGM (extension 1055) and begin the planning. ♦

SCIENTIFIC  
*Publications*  
GRAPHICS & MEDIA

## Awards

### *National Institutes of Health Wins Diversity Best Practices Award*

On behalf of NIH and its 18,000 employees, Dr. Elias Zerhouni, NIH director, accepted the **2003 Diversity Best Practices Award** on October 15. This annual award from Diversity Best Practices recognizes the achievements of organizations that work to ensure a culturally and ethnically diverse workforce. The only Federal government agency to be selected, NIH joined nine other organizations in receiving the honor, which was awarded through a competitive process.

In a recent global e-mail to NIH employees, Dr. Zerhouni commented,

“I am very proud to represent you and your accomplishments to promote diversity at NIH.” He pointed out that NIH manager Larry Self and his team made “tremendous efforts to promote diversity.”

Dr. Zerhouni encouraged everyone “to build on our successes so that the principles of inclusion are integrated completely into all facets of our organization. As I said in my acceptance speech, the diversity among those of us who work to improve people’s health must be equal to the diversity of those we are working for.”

NCI-Frederick continues in many ways to promote diversity in its workforce; the Frederick Employee Diversity Team works hard to create opportunities, sponsor activities, and develop outreach and education initiatives that focus on diversity. See the article elsewhere in this issue for profiles of the F-EDT members, or go to the F-EDT Web site, [http://diversity.ncifcrf.gov/flash\\_content/default.asp](http://diversity.ncifcrf.gov/flash_content/default.asp). ♦

## Awards

### *Dr. Nancy Jenkins Recognized for Efforts to Improve Animal Care Program*

Recently, Dr. Craig Reynolds, Scientific Officer, NCI-Frederick, presented the ***Animal Care and Use Committee Award*** to Dr. Nancy Jenkins. The award recognizes her achievements in improving the quality of the animal care program, including employee training and involvement of technicians and caretakers in the animal study process.

Dr. Reynolds said that Dr. Jenkins “has been at the forefront of controversial issues to ensure progressive initiatives and to improve the quality of the program” and to ensure that everyone involved in a study was “educated on the animal study proposal, the Federal regulations, and ACUC policies/procedures. Her initiatives have led to several new and improved animal care and use training programs for investigators, technicians, caretakers, and animal users at the NCI-Frederick.”

Dr. Jenkins earned a PhD in molecular and cellular biology at Indiana University. Prior to joining NCI-Frederick, she did postdoctoral research at the Dana-Farber Cancer Center and Harvard Medical School

and later worked as an associate staff scientist at The Jackson Laboratory and as associate professor of microbiology and molecular genetics at the University of Cincinnati College of Medicine. Dr. Jenkins came to NCI-Frederick in 1985 as head of the Molecular Genetics of Development Section, ABL-Basic Research Program, then part of the Mammalian Genetics Laboratory (MGL).

In 1997, she became editor-in-chief of Genomics and in 1998 chair of the then-FCRDC Animal Care and Use Committee. Dr. Reynolds noted, “This appointment is a very highly regarded position in the laboratory animal field and Dr. Jenkins has demonstrated how a dedicated chairperson can maintain and improve the quality of animal research conducted at an institution...she has provided exemplary leadership and guidance to ensure that the NCI-Frederick animal program has attained



its accreditation.”

In 1999, the MGL was incorporated into NCI's Center for Cancer Research and renamed the Mouse Cancer Genetics Program (MCGP). Dr. Jenkins now heads the Molecular Genetics of Development Section within the MCGP. ♦

### *Team of Mayo and Reeder Wins AALAS' Highest Award*

Earlier this fall, Dr. Joseph Mayo, head of the Biologic Branch, NCI, and Clarence Reeder, SAIC-Frederick, Inc. (now retired), received the ***Griffin Award***, the American Association of Laboratory Animal Sciences' highest award, at the AALAS annual meeting in Seattle, Washington. A number of previous Griffin Award winners and former presidents of AALAS supported the nomination.

In his letter of nomination, Dr.

Thomas E. Hamm, Jr., noted that “This team greatly influenced the field of Laboratory Animal Science throughout the world by promoting and sponsoring genetic standardization, microflora standardization, and by insisting that all NCI tumor cell lines be Map-tested and freed of any murine virus contaminants.”

An August CompMed article pointed out that when Dr. Mayo became head of the NCI's Laboratory Animal

Sciences Program in the 1970s, “every single tumor within the NCI tumor bank was contaminated with at least one adventitious murine virus.” The article went on to say that “The level of sophistication of our field owes a great debt to Dr. Mayo and Clarence Reeder.” ♦

# Platinum Highlights

**Dr. Susanna Rybak** co-authored this quarter's Platinum Highlight with other members of the Developmental Therapeutic Program (DTP) involved in anti-angiogenesis drug testing and development. She earned her PhD from the University of California San Francisco, where she studied hormone mechanism of action with Dr. C.H. Li. Following postdoctoral training at Stanford University, Stanford, CA, and the Weizmann Institute of Science, Rehovot, Israel, Dr. Rybak was appointed an Assistant Professor of Pathology at Harvard Medical School and Research Associate in Pathology, Brigham and Women's Hospital, Boston, MA. At Harvard she worked on angiogenin and a series of human serum ribonucleases, which she thought could potentially be engineered into therapeutic agents via chemical and/or genetic means. She joined the National Cancer Institute in 1993 and in 1998 became a Senior Investigator in the DTP, where she continues to develop RNase-based therapeutics for clinical use, along with more basic studies relating to tumor markers during the angiogenic process.

For more information, see:

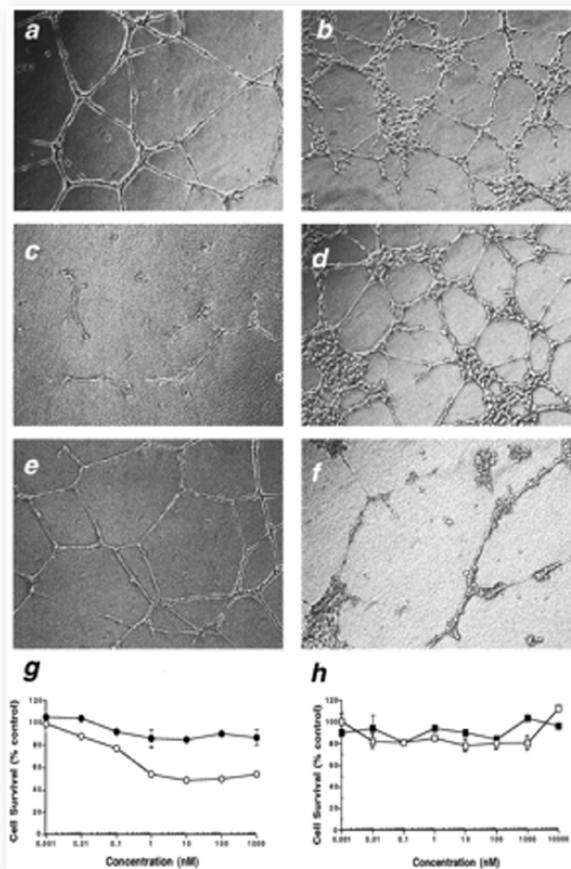
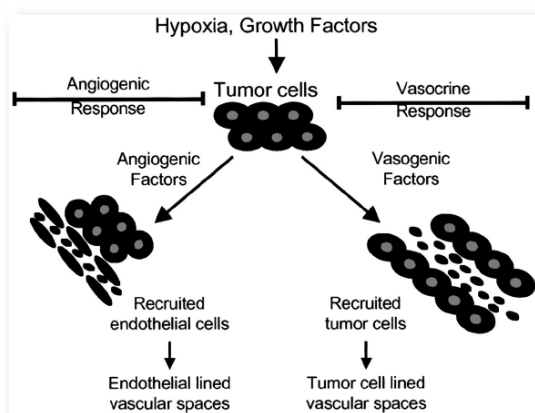
<http://dtp.nci.nih.gov/aa-resources>. ♦

Rybak SM, Sanovich E, Hollingshead MG, Borgel SD, Newton DL, Melillo G, Kong DH, Kaur G, and Sausville EA

## "Vasocrine" Formation of Tumor Cell-lined Vascular Spaces: Implications for Rational Design of Antiangiogenic Therapies

Cancer Research, **63**(11):2812–2819, 2003

Here we report that B16F10 murine melanoma cells mimic endothelial cell behavior and the angiogenic process *in vitro* and *in vivo*. Cord formation *in vitro* by tumor cells is stimulated by hypoxia and vascular endothelial growth factor (VEGF) and inhibited by antibodies against VEGF and the VEGF KDR receptor (VEGF receptor 2). We define regulation of tumor cell-derived vascular space formation by these vasoactive compounds as "vasocrine" stimulation. ICRF 159 (Razoxane; NSC 129943) prevents tumor cell but not endothelial cell cord formation *in vitro*, and the antiangiogenic drug TNP-470 (NSC 642492) inhibits endothelial but not tumor cell cord formation *in vitro*. Both drugs inhibit formation of blood-filled vascular spaces *in vivo*. These results bear on the anticipated action of ICRF 159 in human clinical trials and novel strategies for targeting tumor blood supplies. ♦





# Platinum Highlights

The following 40 articles have been selected from a quarterly listing of publications in 13 of the most prestigious science journals.

## Biochemistry and Biophysics

**The cis decoy against the estrogen response element suppresses breast cancer cells via target disrupting c-fos not mitogen-activated protein kinase activity.** Wang LH, Yang XY, Zhang X, Mihalic K, Xiao W, and Farrar WL. *Cancer Res*, **63**(9):2046–2051, 2003.

## Cellular Biology and Differentiation

**Different cofactor activities in gamma-secretase assembly: evidence for a nicastrin-Aph-1 subcomplex.** Hu Y and Fortini ME. *J Cell Biol*, **161**(4):685–690, 2003.

**Involvement of Crm1 in hepatitis B virus X protein-induced aberrant centriole replication and abnormal mitotic spindle.** Forgues M, Difilippantonio MJ, Linke SP, Ried T, Hagasima K, Fedem J, Valerie K, Fukasawa K, and Wang XW. *Mol Cell Biol*, **23**(15):5282–5292, 2003.

**BCL-2 and BCL-X-L restrict lineage choice during hematopoietic differentiation.** Haughn L, Hawley RG, Morrison DK, von Boehmer H, and Hockenbery DM. *J Biol Chem*, **278**(27):25158–25165, 2003.

**Overexpression of kinase suppressor of Ras upregulates the high-molecular-weight tropomyosin isoforms in ras-transformed NIH 3T3 fibroblasts.** Janssen RA, Kim PN, Mier JW, and Morrison DK. *Mol Cell Biol*, **23**(5):1786–1797, 2003.

**Anteroposterior patterning in hemichordates and the origins of the chordate nervous system.** Lowe CJ, Wu M, Salic A, Evans L, Lander E, Stange-Thomann N, Gruber CE, Gerhart J, and Kirschner M. *Cell*, **113**(7):853–865, 2003.

## Epidemiology and Prevention

**Serum insulin-like growth factor 1: Tumor marker or etiologic factor? A prospective study of prostate cancer**

**among Finnish men.** Woodson K, Tangrea JA, Pollak M, Copeland TD, Taylor PR, Virtamo J, and Albanes D. *Cancer Res*, **63**(14):3991–3994, 2003.

## Experimental Therapy

**In vivo retroviral gene transfer by direct intrafemoral injection results in correction of the SCID phenotype in Jak3 knock-out animals.** McCauslin CS, Wine J, Cheng LZ, Klarmann KD, Candotti F, Clausen PA, Spence SE, and Keller JR. *Blood*, **102**(3):843–848, 2003.

**Bacillus anthracis lethal toxin induces TNF-alpha-independent hypoxia-mediated toxicity in mice.** Moayeri M, Haines D, Young HA, and Leppla SH. *J Clin Invest*, **112**(5):670–682, 2003.

**“Vasocrine” formation of tumor cell-lined vascular spaces: Implications for rational design of antiangiogenic therapies.** Rybak SM, Sanovich E, Hollingshead MG, Borgel SD, Newton DL, Melillo G, Kong DH, Kaur G, and Sausville EA. *Cancer Res*, **63**(11):2812–2819, 2003.

**Phosphatidylinositol 3'-kinase is required for growth of mast cells expressing the Kit catalytic domain mutant.** Shivakrupa R, Bernstein A, Watring N, and Linnekin D. *Cancer Res*, **63**(15):4412–4419, 2003.

**Accelerated vaccination for Ebola virus haemorrhagic fever in non-human primates.** Sullivan NJ, Geisbert TW, Geisbert JB, Xu L, Yang ZY, Roederer M, Koup RA, Jahrling PB, and Nabel GJ. *Nature*, **424**(6949):681–684, 2003.

## Immunology

**Stat5 synergizes with T-cell receptor/antigen stimulation in the development of lymphoblastic lymphoma.** Kelly JA, Spolski R, Kovanen PE, Suzuki T, Bollenbacher J, Pise-Masison CA, Radonovich MF, Lee S, Jenkins NA, Copeland NG, Morse HC, and Leonard WJ. *J Exp Med*, **198**(1):79–89, 2003.

**Distinct mutations in IRAK-4 confer hyporesponsiveness to lipopolysaccharide and interleukin-1 in a patient with recurrent bacterial infections.** Medve-

dev AE, Lentschat A, Kuhns DB, Blanco JCG, Salkowski C, Zhang SL, Arditi MH, Gallin JI, and Vogel SN. *J Exp Med*, **198**(4):521–531, 2003.

**Tumor regression and autoimmunity after reversal of a functionally tolerant state of self-reactive CD8<sup>+</sup> T cells.** Overwijk WW, Theoret MR, Finkelstein SE, Surman DR, de Jong LA, Vyth-Dreese FA, DelleMijn TA, Antony PA, Spiess PJ, Palmer DC, Heimann DM, Klebanoff CA, Yu ZY, Hwang LN, Feigenbaum L, Kruisbeek AM, Rosenberg SA, and Restifo NP. *J Exp Med*, **198**(4):569–580, 2003.

**The four distal tyrosines are required for LAT-dependent signaling in Fc epsilon RI-mediated mast cell activation.** Saitoh S, Odom S, Gomez G, Sommers CL, Young HA, Rivera J, and Samelson LE. *J Exp Med*, **198**(5):831–843, 2003.

**Engineering disulfide bridges to dissect antimicrobial and chemotactic activities of human beta-defensin 3.** Wu ZB, Hoover DM, Yang D, Boulegue C, Santamaria F, Oppenheim JJ, Lubkowski J, and Lu WY. *Proc Natl Acad Sci USA*, **100**(15):8880–8885, 2003.

## Lipids and Lipoproteins

**Overexpression of the tumor autocrine motility factor receptor Gp78, a ubiquitin protein ligase, results in increased ubiquitinylation and decreased secretion of apolipoprotein B100 in HepG2 cells.** Liang JS, Kim T, Fang SY, Yamaguchi J, Weissman AM, Fisher EA, and Ginsberg HN. *J Biol Chem*, **278**(26):23984–23988, 2003.

## Medicine

**Lamin A truncation in Hutchinson-Gilford progeria.** De Sandre-Giovannoli A, Bernard R, Cau P, Navarro C, Amiel J, Boccaccio I, Lyonnet S, Stewart CL, Munnich A, Le Merrer M, and Levy N. *Science*, **300**(5628):2055–2055, 2003.

## Molecular Biology and Genetics

**The cis decoy against the estrogen response element suppresses breast cancer cells via target disrupting c-fos not mitogen-activated protein kinase activity.** Wang LH, Yang XY, Zhang X, Mihalic

# Platinum Highlights

K, Xiao W, and Farrar WL. *Cancer Res*, **63**(9):2046–2051, 2003.

## Identifying tumor origin using a gene expression-based classification map.

Buckhaults P, Zhang Z, Chen YC, Wang TL, St Croix B, Saba S, Bardelli A, Morin PJ, Polyak K, Hruban RH, Velculescu VE, and Shih IM. *Cancer Res*, **63**(14):4144–4149, 2003.

## Of mice and MEN1: Insulinomas in a conditional mouse knockout.

Crabtree JS, Scacheri PC, Ward JM, McNally SR, Swain GP, Montagna C, Hager JH, Hanahan D, Edlund H, Magnuson MA, Garrett-Beal L, Burns AL, Ried T, Chandrasekharappa SC, Marx SJ, Spiegel AM, and Collins FS. *Mol Cell Biol*, **23**(17):6075–6085, 2003.

## Differing roles of the N- and C-terminal zinc fingers in human immunodeficiency virus nucleocapsid protein-enhanced nucleic acid annealing.

Heath MJ, Derbail SS, Gorelick RJ, and DeStefano JJ. *J Biol Chem*, **278**(33):30755–30763, 2003.

## Inactivation of RAS association domain family 1A gene in cervical carcinomas and the role of human papillomavirus infection.

Kuzmin I, Liu L, Dammann R, Geil L, Stanbridge EJ, Wilczynski SP, Lerman MI, and Pfeifer GP. *Cancer Res*, **63**(8):1888–1893, 2003.

## Nonpolar thymine isosteres in the Ty3 polypurine tract DNA template modulate processing and provide a model for its recognition by Ty3 reverse transcriptase.

Lener D, Kvaratskhelia M, and Le Grice SFJ. *J Biol Chem*, **278**(29):26526–26532, 2003.

## Hermansky-Pudlak syndrome type 7 (HPS-7) results from mutant dysbindin, a member of the biogenesis of lysosome-related organelles complex 1 (BLOC-1).

Li W, Zhang Q, Oiso N, Novak EK, Gautam R, O'Brien EP, Tinsley CL, Blake DJ, Spritz RA, Copeland NG, Jenkins NA, Amato D, Roe BA, Starcevic M, Dell'Angelica EC, Elliott RW, Mishra V, Kingsmore SF, Paylor RE, and Swank RT. *Nat Gen*, **35**(1):84–89, 2003.

## Hepatic vascular tumors, angiectasis in multiple organs, and impaired spermatogenesis in mice with conditional inactivation of the VHL gene.

Ma W, Tessarollo L, Hong SB, Baba M, Southon E, Back TC, Spence S, Lobe CG, Sharma N, Maher GW, Pack S, Vortmeyer AO, Guo C, Zbar B, and Schmidt LS. *Cancer Res*, **63**(17):5320–5328, 2003.

## Strong population substructure is correlated with morphology and ecology in a migratory bat.

Miller-Butterworth CM, Jacobs DS, and Harley EH. *Nature*, **424**(6945):187–191, 2003.

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Yang HS, Knies JL, Stark C, and Colburn NH. *Oncogene*, **22**(24):3712–3720, 2003.

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Zolotukhin AS, Michalowski D, Bear J, Smulevitch SV, Traish AM, Peng R, Patton J, Shatsky IN, and Felber BK. *Mol Cell Biol*, **23**(18):6618–6630, 2003.

## Bacterial polymerase and yeast polymerase II use similar mechanisms for transcription through nucleosomes.

Walter W, Kireeva ML, Studitsky VM, and Kashlev M. *J Biol Chem*, **278**(38):36148–36156, 2003.

## Physics

### Phonon dispersions of fcc delta-plutonium-gallium by inelastic X-ray scattering.

Wong J, Krisch M, Farber DL, Occelli F, Schwartz AJ, Chiang TC, Wall M, Boro C, and Xu RQ. *Science*, **301**(5636):1078–1080, 2003.

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### tide inhibitors with the beta-amyloid peptide.

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Haan S, Ferguson P, Sommer U, Hiremath M, McVicar DW, Heinrich PC, Johnston JA, and Cacalano NA. *J Biol Chem*, **278**(34):31972–31979, 2003.

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Kino T, Souvatzoglou E, De Martino MU, Tsopanomihalu M, Wan YH, and Chrousos GP. *J Biol Chem*, **278**(28):25651–25656, 2003.

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### IL-10 and TGF-beta induce alloreactive CD4(+)CD25(-) T cells to acquire regulatory cell function.

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### Lsh-deficient murine embryonal fibroblasts show reduced proliferation with signs of abnormal mitosis.

Fan T, Yan QS, Huang JQ, Austin S, Cho E, Ferris D, and Muegge K. *Cancer Res*, **63**(15):4677–4683, 2003.

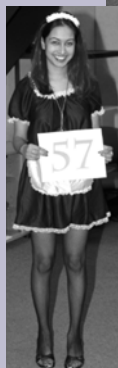
## Virology

### Weapons of mutational destruction.

KevalRamani VN and Coffin JM. *Science*, **301**(5635):923–925, 2003. ♦

# Poster-Script

## Halloween Costume Contest



## Did You Know...?

### A Look Back

A fun way to celebrate an anniversary is to look back over the years and remember the “good ol’ days.” So, to honor the more than 30 years of research at NCI, we’ve decided to take a look back at lifestyles and some of the memorable events of 30 years ago. Some of them may even bring a smile.



For example, remember when money could actually buy something? A 2-bedroom apartment with air conditioning (considered a luxury) rented for \$200 a month; a 1-bedroom apartment downtown went for \$165 a month. House prices in the area ranged from \$21,000 (for a townhouse) to \$140,000 for a 3-bedroom, stone colonial on 56 acres with an in-ground pool. A new car cost between \$2,000 and \$3,500. Of course, an entry-level scientist earned approximately \$15,180 annually (before taxes).

Here are some other interesting tidbits from 30 years ago:

### 1970-1971

Building 470 was decommissioned. 13,000 samples were taken from the building during decommissioning, to test for evidence of anthrax (*Bacillus anthracis*). None was found.

### 1971

All Ft. Detrick buildings were declared safe for occupancy. The National Institutes of Health took ownership of the surrounding buildings, which were then retrofitted for cancer and infectious disease research.

October 19: President Nixon announced the conversion of Fort Detrick biological warfare laboratories to cancer research initiatives, “beating its swords into plowshares.”

### 1972

June 26: Litton Bionetics’ Frederick Operations Division opened the Frederick Cancer Research Center (FCRC), with a staff of 21 employees. Phones

had to be installed, a huge inventory of equipment had to be checked out, numerous supplies had to be ordered – and there wasn’t a coffee pot in the place. Three months later, the number of employees had increased almost tenfold, to 193.

September 19: President Nixon expressed the wish to “open the Center’s doors to visiting scientists from every part of the world... offering the hospitality and collegiality of the NCI to any researcher seeking scientific truth about cancer.”

October 2: The first “blessed event” under the new FCRC program occurred, with the birth of two Strain 13 guinea pigs.



October 12: Students and faculty of the Advanced Biology class at North Hagerstown High School visited the FCRC.

October 17: The first issue of the FCRC Bulletin was published. A contest was announced to name the bulletin. The prize was a \$25 savings bond. ♦



Archive photos, U.S. Army Garrison, Ft. Detrick

## Did You Know...?

### *NCI-Frederick among Top Ten Best Places to Work Worldwide*

Did you know that the NCI-Frederick came in seventh on the “2003 Best Places to Work in Scientific Institutions” poll conducted by *The Scientist* (October 20, 2003)? *The Scientist* used the results from 2,210 full time researchers from North America and Western Europe who rated the working conditions and overall environment at academic institutions and private research centers to compile the top ten list.

#### The Top Ten Best Places to Work in Scientific Institutions

1. Fox Chase Cancer Center, Philadelphia, PA
2. Purdue University, West Lafayette, IN
3. Yale University, New Haven, CT
4. University of California, San Francisco, CA
5. University of Minnesota, St. Paul, MN
6. Cornell University, Ithaca, NY
7. **National Cancer Institute, Frederick, MD**
8. Michigan State University, Lansing, MI
9. University of Nebraska, Lincoln, NE
10. University of Texas, Southwestern Medical Center, Dallas, TX ♦

### *Twenty Years of Citation Superstars*

ScienceWatch ([http://www.sciencewatch.com/sept-oct2003/sw\\_sept-oct2003\\_page2.htm](http://www.sciencewatch.com/sept-oct2003/sw_sept-oct2003_page2.htm)), a section of Essential Science Indicators, recently noted that two NCI-Frederick scientists are among the top 50 researchers cited most often between 1983 and 2002. Dr. Neal Copeland has had 38,032 citations for 696 papers, while Dr. Nancy Jenkins has had 37,146 citations for 691 papers. ♦



*Past displays in the Diversity Cabinet in Building 549: on left, the worldwide variety in medicinal plants reflects the diversity in people; above, celebrating the women of NCI-Frederick. ♦*

### *New User Suggestions Web Sites*

Two new User Suggestions Web sites have been activated to enable the NCI-Frederick community to send in comments and suggestions to service providers. Suggestions and comments for Scientific Publications, Graphics & Media (SPGM), formerly known as “Publications,” can be sent to <http://web.ncifcrf.gov/campus/committees/publications.asp>. NCI-Frederick personnel can now submit suggestions and comments concerning the NCI-Frederick Childcare Center (PALS) online at <http://web.ncifcrf.gov/campus/committees/childcare.asp>. ♦

## Technology Transfer Branch (TTB)

### *Technology Transfer Branch Helps You Meet the NCI Challenge*

NCI has challenged scientists to eliminate, by 2015, the suffering and death due to cancer. To help NCI and SAIC-Frederick, Inc., scientists meet this challenge, the NCI **Technology Transfer Branch (TTB)** manages intellectual property for the NCI, obtains research materials, establishes

NIH and outside organizations, and ensuring that the necessary agreement satisfies research objectives, NIH IP policies, and Federal law. TTB staff handle day-to-day negotiations, as well as all other aspects of the agreement process, so that NCI scientists can spend less time on

program's research focus and are better able to assist with specific technology transfer needs.

#### *New Inventions*

TTB-Frederick, the first point of contact and liaison for NCI-Frederick scientists when they make exciting discoveries, assists them in reporting all potential inventions. Staff help gather all the necessary information for reviewing the discovery to determine if patent protection is warranted and provide a summary to the Division Director for his decision to authorize funds for patent prosecution as appropriate. As an added incentive and following NIH policy, NCI shares with its inventors a significant portion of the royalties from the successful licensing of the invention(s).

The invention reporting process begins when you fill out the Employee Invention Report (<http://ttb.nci.nih.gov/eirst.doc>) and submit it for review to your TTB representative.

Among other services offered, TTB also negotiates with outside parties, transactional agreements designed to meet your unique needs.

#### *Obtaining or Providing Research Materials and Information*

- Material Transfer Agreement/Simple Letter Agreement (MTA/SLA)—gives your laboratory access to critical research materials from outside organizations or permits NCI materials to be provided to other researchers.
- Confidential Disclosure Agreement (CDA)—provides free exchange of confidential research information with an outside party while ensuring control over public disclosures prior to publication or application for a patent.
- Clinical Trials Agreement (CTA)—facilitates the transfer of clinical



*Pictured, left to right, are Technology Transfer Branch staff: Captain Steven Wickizer, Pharm.D., Technology Transfer Specialist; Dr. Charmaine Richman, Technology Transfer Specialist; Dr. Jeffrey Thomas, Senior Advisor, Contract IP; Dr. Thomas Stackhouse, Associate Chief; Dr. Bjarne Gabrielsen, Senior Advisor, Drug Discovery and Development; Vio Conley, Technology Development Administrative Specialist; and Donna Bialozor, Technology Transfer Specialist.*

public/private partnerships, and oversees and advises NCI scientists and administrative managers on matters related to IP management/strategy for these exciting NCI initiatives.

The NCI-TTB recognizes that interactions with researchers outside NIH help NCI scientists answer the NCI challenge. Whether these interactions involve collaborating on a research project or simply obtaining research materials unavailable at NIH, TTB plays an important role, supporting the NCI scientists' efforts by negotiating agreements between the

paperwork and more time on research.

In addition, the TTB-Frederick satellite office's proximity to NCI-Frederick, in the Fairview Center, Suite 500, 1003 West Seventh Street, enables staff to work effectively with NCI-Frederick staff on technology transfer issues. TTB staff members, professionals with expertise in diverse areas such as drug discovery, molecular biology, chemistry, pharmacology, biochemistry, contract IP, and transactional agreements, are individually assigned to programs or laboratories so that they become familiar with the laboratory or

## Technology Transfer Branch (TTB)

research materials from outside parties for use in NCI-sponsored clinical trials.

- Materials Cooperative Research and Development Agreement (MCRADA)—gives your laboratory access to company-proprietary materials not commercially available.

### *Establishing Formal Collaborations*

- Cooperative Research and Development Agreement (CRADA)—fosters collaborative research with outside organizations; can help your laboratory exchange and obtain access to unique expertise, personnel, services, facilities and equipment. CRADAs assist in the public/private partnering needed to accelerate the discovery, development and delivery of important new diagnostics, prognostics and therapeutics.
- Memorandum of Understanding (MOU) and Letters of Collection

(LOC)—specialized, collaborative agreements with national governments and/or their institutions focused on biodiversity and traditional medicines; used to obtain synthetic compounds and natural product materials derived from plants, marine macro-organisms, and microbes for the NCI Developmental Therapeutics Program. These materials provide valuable structural leads for screening and optimization in the drug discovery process of antiviral and anticancer agents.

### *Additional TTB Services*

- Marketing—promotes NCI technologies to outside organizations to foster research collaborations at various scientific, business, and technology transfer meetings and conferences.
- Advice on intellectual property issues—TTB coordinates with other offices within NCI and NIH to

provide you with needed and timely advice on the issues associated with the development and management of intellectual property, such as inventorship, patent protection (why, how, when, where...) and royalty income to inventors.

- Education—keeping you posted on the latest developments in technology development and transfer and training of new employees.

Keep an eye out for future Poster articles featuring more details of TTB services, plus highlights from your colleagues who have used TTB services to help them meet their part in the NCI Challenge.

It's easy to obtain TTB-Frederick's services. To determine which TTB staff members have been assigned to your laboratory, please contact TTB-Frederick at (301) 846-5465 or <http://ttb.nci.nih.gov>. ♦

## Community Outreach

In our last issue, one of our student interns described how she had learned to see beyond the "scientist" images she had of her colleagues. But what exactly do these young interns do? How do scientific and administrative internships differ?

### *Student Intern Program*

The Werner H. Kirsten Student Intern Program (SIP) at the National Cancer Institute (NCI) at Frederick is designed to expose high school seniors to research and administrative management in a health care environment. The scientific interns experience the basic methods of cancer research through hands-on laboratory training. Administrative management interns are assigned projects in budget, personnel, information technology, graphics and

media. Students must attend a school within the Frederick or Washington County Public School Systems or St. John's Literary Institute at Prospect Hall. Currently (2003-2004), the SIP has 37 sponsors mentoring 43 students. The sponsors represent a diverse cross-section of science at NCI-Frederick.

Scientific interns work full-time (40 hours per week) for nine consecutive weeks during the summer (training period) and receive a stipend of approximately \$2,900. Administrative interns, on the other hand, are not required to work during the summer and, therefore, do not receive a stipend. All interns work three hours per day during the school year as student volunteers (no stipend) and receive credit toward their diplomas.

To be eligible for the SIP, a student must be at least 16 years of age and a

junior in high school (when applying), have an overall grade point average of 3.0 or greater, and be a U.S. citizen or permanent resident.

To find out more about this program, please visit the Web site at [http://web.ncifcrf.gov/careers/student\\_programs/internships/SIP.asp](http://web.ncifcrf.gov/careers/student_programs/internships/SIP.asp).

We are always looking for new mentors, so please consider mentoring a student next year.

### *Elementary Outreach Program*

The program is up and running for the 2003-2004 school year. If you would like to learn more about the program or volunteer, please visit <http://web.ncifcrf.gov/campus/outreach/>. An expanded Web site is under construction. ♦

## *The Frederick Employee Diversity Team*

[Editor's note: In the previous issue, Dr. Scott Keimig described the goals and discussed the special events that the Frederick Employee Diversity Team has sponsored. In this issue, he introduces us to several F-EDT charter members.]

Since 2001, the **Frederick Employee Diversity Team (F-EDT)** has been celebrating diversity. The team's mission includes creating opportunities, sponsoring activities, and developing outreach and education initiatives that

- Foster respect for all employees on the Frederick campus;
- Celebrate the rich diversity that age, race, gender, ability, personality, culture, national origin, religious beliefs, sexual orientation, veteran status, marital status, job classification and other personal and organizational characteristics bring to the workplace; and
- Create and maintain a work environment that values differences and similarities among all employees and promotes productivity, work quality, equity, and respectful communication.

Charter F-EDT members include Carmen Anderson, Ethel Armstrong, Liz Battle, Shannon Bell, Peter Boving, Teri Cecil, Deepti Dave, Scott Keimig, Paul Miller, Cheryl Parrott, and Howard Young.

**Carmen Anderson**, Project Coordinator at the Financial and Administrative Systems (FAS) at SAIC-Frederick Inc., began working at NCI-Frederick in the mid-1970s as a Research Assistant. In the early 1980s, she became responsible for the Repository, Glassware, and Space

Management programs; and in the mid-1990s she began managing various projects from within FAS. Carmen states that the evolution of the NCI-Frederick over the years has required great teamwork on the part of a diverse and constantly changing population.

Carmen's hobbies include raising two miniature horses (and, at one time, seven minis and four llamas!), a pot-bellied pig, two goats, three cats, and two guinea pigs on South Mountain in Myersville. Carmen states this has been both an educational and entertaining experience. She also enjoys slalom water skiing, music, and gardening. Carmen is a first-generation American and was born in Sonthofen, Germany. She received her American citizenship at 16, something she states that neither she, nor her war-displaced family, has ever taken for granted. Carmen believes it is a true privilege to be an American.

**Ethel Armstrong** is a Manager of Interlibrary Loans (WISCO). She started working at the National Cancer Institute over 20 years ago. She is the Acting Chair 2003 and Chair Elect 2004 of the Maryland Association of Interlibrary Loan Librarians and a member of the Membership Committee of the Maryland Library Association. Her hobbies include collecting dolls, miniature shoes, and handbags, but her greatest love is traveling. Ethel has visited every continent except Africa.

**Liz Battle**, an Employment Specialist/ Recruiter for SAIC-Frederick, Inc., was a member of the EEET (Employee Environment Team), which dissolved in June 2000. She continues to be a member of the newly formulated F-EDT (Frederick Employee Diversity Team). Liz has had the distinct honor of being employed for three contractors at NCI-Frederick. She

says, "I especially appreciate the opportunity I had to be part of both diversity groups' groundbreaking efforts and to celebrate, share, and promote our rich diversity throughout the Fort Detrick community."

**Shannon Bell** works in the Office of Diversity and Employee Programs (ODEP) at the National Cancer Institute, where she runs the ODEP Frederick satellite office, bringing their numerous programs and services to the Frederick community; she oversees the NCI's administrative intern programs and university outreach and recruitment programs. Additionally, she is the NCI Diversity Catalyst and Chairperson of the Salutaris employee group that represents and advocates for the gay, lesbian, bisexual and transgendered (GLBT) employees and works to foster a workplace that is accepting and supportive of GLBT employees throughout NIH. Shannon also volunteers on the Montgomery County Hate and Violence Partnership Board, whose mission is to help compensate individuals who have been victims of hate crimes. Originally from Wyoming, she moved to the Frederick area in 1999 with her partner and two children. Her hobbies include martial arts, reading and playing with her new puppy, but what she enjoys most in life is being blessed with two phenomenal children.

**Peter Boving** was Manager of Protective Services from 1987 through 2002 and is now Senior Fire Prevention Specialist. His other interests include international cuisine, languages, radio, hiking and Nordic skiing.

**Teri Cecil**, Administrative Officer for several laboratories at NCI-Frederick, has worked for NIH since 1970. Her numerous responsibilities in the Administrative Resource Center



## Office of Diversity and Employee Programs

include managing the resources of three laboratories (LECB, LEI, and LIB) where she handles issues related to personnel, travel, budget, procurement, space, contracts and IAG; negotiating grants with the Army; mentoring administrative lab managers; and overseeing special projects. Even so, she finds time to be involved with the Frederick Employee Diversity Team. Teri and her husband have two children, Zackery and Katey. A native Fredericktonian, she enjoys outside activities such as going to the beach, reading, and walking her dogs, Montana and Taylor. A new addition to her family, her “grandpuppy,” Jeter, keeps her hopping, too. One of her favorite pastimes is throwing parties; Teri loves to plan social events such as Super Bowl parties, holiday parties and other special occasions for her family, friends and neighbors.

**Deepti Dave**, who has a degree in microbiology and computer science, has been working as a Programmer Analyst with Data Management Services for 15 years. She immigrated from India 25 years ago and settled in Frederick 20 years ago with her husband and two beautiful daughters. Deepti is active in various community services; she founded the Indian Association of Frederick County when she realized the need for an organization to help newly arrived Indians and their families adjust to their new environment. This association continues to thrive and have a large membership. Deepti served as Cultural Arts president with the PTA at her daughters' school. She has also worked with the Human Relations Commission of Frederick County, organizing the Ethnic Festival of Frederick. She loves meeting people from different cultures. Deepti appreciates the fact that people are the same everywhere. They are proud of

their heritage and they share the same desires and aspirations.

**Scott Keimig** was born and raised in the upper Midwest. He is the oldest of seven children and is of Norwegian (Telemark) ancestry. Scott did his graduate work in public health at the University of Iowa, supported by a CDC traineeship, and received a post-doctoral appointment at Brookhaven National Laboratory, NY. He relocated to NCI-Frederick in 1984 as a research scientist. He recently received his MBA from the University of Maryland. Scott has been married for 29 years to Dr. Deborah Gellerman, Division Chief of Epidemiology, Armed Forces Medical Command. He is a third-generation motorcyclist and teaches motorcycle safety at Frederick Community College. Scott also enjoys travel, tent camping, pond and woodlands gardening, cooking, and trying to domesticate Manx cats.

**Paul Miller** is a relatively new member to the Team, although he has been at NCI-Frederick since 1981. Paul holds both a Master's of Science and an MBA degree and works in the Office of the Director, NCI-Frederick, as a Program Analyst. Paul operates the monthly Diversity Café Movie series for the F-EDT. In addition to his work at the NCI, Paul also runs a cancer support group and is a volunteer speaker for the American Cancer Society. In his free time, he likes to read, camp, hike and bike ride.

**Cheryl Parrott**, Director of Public Affairs at NCI-Frederick, has been a biomedical writer for the National Institutes of Health and the U.S. Army Medical Research Institute of Infectious Diseases. She came to NIH in 1997 from Dugway Proving Ground in Utah, where she was chief

of Public Affairs. A former instructor at Frederick Community College, she holds degrees in French and German literature. When she's not at NCI, she enjoys gardening with her family and their three geriatric cats.

**Howard A. Young** received a B.S. in microbiology from the University of Massachusetts and his PhD from the Department of Microbiology, University of Washington. He joined NCI-Frederick in 1983 as a Cancer Expert in the Laboratory of Molecular Immunoregulation and in 1989 became Head, Cellular and Molecular Immunology Section, Laboratory of Experimental Immunology. His research focuses on gene regulation in natural killer cells. He is the president-elect of the International Society of Interferon and Cytokine Research and is a member of the American Association of Immunologists, the American Association for the Advancement of Science, the American Society for Biochemistry and Molecular Biology, the American Society for Microbiology and the DNA Methylation Society. He has received an NIH Merit Award for his efforts in support of the Werner Kirsten Student Intern Program, the NCI Quality of Worklife Award and the NIH Director's Award for Mentoring (2000). He has chaired the NIH Cytokine Interest Group, the annual NCI-Frederick-Ft. Detrick Spring Research Festival, and the Immunology Division of the American Society for Microbiology, and currently co-chairs the NIH Immunology Interest Group. ♦

# Environment, Health, and Safety Program

## *Now What Am I Signing?*

If you have been to Occupational Health Services in the past few months, you have probably noticed a change in some of the paperwork. Some of the changes are based on a new law about privacy practices, and other changes are to clarify existing forms and consents. Below is a paperwork primer.

### *The Notice of Privacy Practices*

This document is given to employees as they come through for new hire or periodic evaluations. We ask that you sign a salmon-colored acknowledgment to demonstrate that you have received a copy. The notice lets you know how we handle your medical information and allows you to make specific requests for practices such as notification of appointments or results of medical tests or procedures.

Below are the first three paragraphs:

“THIS NOTICE DESCRIBES HOW MEDICAL INFORMATION ABOUT YOU MAY BE USED AND DISCLOSED AND HOW YOU CAN GET ACCESS TO THIS INFORMATION. PLEASE REVIEW IT CAREFULLY.

“Occupational Health Services is required, by law, to maintain the privacy and confidentiality of your protected health information and to provide you with notice of our legal duties and privacy practices with respect to your protected health information.

“Providing health information on the medical history form, interval history form, any other requested form or in person is voluntary. Information is used for purposes such as determining potential health hazards, differential diagnosis, and suitability for duty.

Failure to provide certain health information may prohibit clinical staff from providing services relevant to that information, such as denial of medication prescriptions and clearances for particular protective equipment, travel assignments, or fitness for duty. Providing incorrect information may be grounds for termination.”

A complete copy of the Privacy Practices notice is available in OHS during business hours.

### *The Medical History Questionnaires*

If you are a government employee, the new hire medical history form we use is the same as those provided in Bethesda or any other federal facility since 1996. We do not alter the form.

If you are a contractor employee, we provide an industrywide, standard personal medical, family medical, and occupational history form. The form was recently evaluated for appropriateness and approved by an outside, independent consultant. Minor changes, such as a reference to the Privacy Practices notice, have been made to the form at his suggestion. We ask you to complete a long version of the form at your first appointment, and a shorter, interval form at subsequent visits. The third paragraph of the Privacy Practices quoted above applies to this information. ♦

## *Center for Health Information: A Collaborative Effort*

The NCI-Frederick’s Center for Health Information (CHI) is a collaborative project between the Scientific Library, Occupational Health Services (OHS) and the Employee Assistance Program (EAP). Conveniently housed in the Scientific Library, Building 549, the CHI resources include books, videos, brochures, and a computer for you to research medical information. New resources are added regularly.

You can utilize the Center to inquire into specific medical conditions, medications or treatments. You can do your own research, or you may be guided by OHS staff, your personal healthcare provider, or the Library staff.

Like OHS and the EAP, the Scientific Library protects your privacy as one of its clients. In accordance with the Library’s policy on confidentiality, staff will not reveal transactions indicating the use of specific resources by individual users. Records pertaining to the use of the Library and its resources and subjects of inquiry are confidential, and shall not be disclosed either to other users, to unauthorized staff, or to other inquirers.

Information you obtain from the Center is not intended to replace the advice of your health care professional but to assist you in making informed decisions regarding your health care choices. We encourage you to consult OHS, personal care providers, or the EAP with your questions or concerns that are generated from use of the CHI or other resources. ♦

## Charles River Laboratories (CRL)



Congratulations to Linda Blumenauer, who will be transferring from her current job as Technical Operations Manager of the Animal Production Area (APA), Charles River Laboratories, to NCI Project Officer for the NCI Animal Program, a position long held by the now-retired Clarence Reeder. Linda has been a key player at the APA for 25 years and through three different contractors. Her exceptional technical skills and knowledge of the operation have been invaluable for the

success of APA, especially in recent years as she took on the additional responsibilities of the surgical program and the Mouse Models of Human Cancers Consortium Repository. We at Charles River Laboratory wish Linda the very best in her new endeavors, although we will miss her greatly. We have no doubt that she will perform in an exceptional manner as Project Officer, just as she did for so many years at APA. ♦

## Data Management Services (DMS)

### *Computer and Statistical Services*

DMS has managed the *Computer and Statistical Services (C&SS)* contract for the last 16 years, and we remain committed to providing a wide array of information science expertise to further NCI-Frederick's mission.

Although perhaps most widely known for our Microcomputer Support and Web Development services, many C&SS employees work "behind the scenes" to keep the information systems and infrastructure running smoothly and efficiently; their anonymity is a testament to their effectiveness. This September, however, Wayne Duncan and Pete Bostian received the Outstanding Technical User award at the Cyborg User's Association conference. This award is presented annually to the



user or users who provide the most outstanding technical solution or enhancement to Cyborg; Cyborg

is used at the NCI-Frederick for contractor Payroll and Human Resources. ♦

*continued on page 20*

# Data Management Services (DMS)

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## *Statistical Consultation*

The Statistical Consultation group provides a wide array of mathematical and statistical consulting services to the NCI-Frederick scientific community. The Director and consulting statisticians work in collaboration with principal investigators through all facets of the scientific process: from development and formulation of research and statistical hypotheses through design of experiments and statistical analyses, preparation of technical reports and modern graphics, to preparation of formal scientific documents and publications in peer-reviewed journals. The contributions of individual members of our statistical staff are frequently recognized by an acknowledgment or by inclusion of the statistician as a co-author.

## *Custom Software Development*

Our team of analysts and developers employ the most modern methodologies and tools to create custom software solutions to meet the unique needs and requirements of the NCI-Frederick. Our staff can assist you with both administrative and scientific programming needs as well as Web design and development services. Visit the C&SS Web site at <http://css.ncifcrf.gov> or call x 1060 for more information about custom development services available from C&SS.

## *Technology Advocacy and Consultation*

As the NCI-Frederick's information technology experts, C&SS continually explores and evaluates new technologies that could benefit the user community and further the mission of

NCI-Frederick. C&SS staff would be happy to meet with you to discuss your specific technology needs.

## *Computer Software Training*

The fall semester of computer software training classes is already underway. Several new courses have been added to complement the extensive list of classes offered to NCI-Frederick employees. Please see the Computer Software Training Web site at <http://css.ncifcrf.gov/training> for more information or to register for classes.

## *Computer Services Helpdesk*

The Computer Services Helpdesk provides the NCI-Frederick community with a single point of contact for computer assistance, information, service, and support. The Helpdesk is staffed from 8:00 a.m. to 5:00 p.m., Monday to Friday, excluding NCI-Frederick holidays. Requests for service can also be placed via the C&SS Web site (<http://css.ncifcrf.gov/helpdesk>) 24 hours per day, seven days a week.

## *Protect Yourself from Computer Viruses*

This summer, the entire country experienced a rash of virus attacks which crippled many organizations. The Maryland Motor Vehicle Administration even closed its doors after a virus struck its computer systems! While many computers at NCI-Frederick are automatically protected from most viruses by C&SS' automated anti-virus system, there are still a large number of systems which have either outdated anti-virus software or no anti-virus software at all. To protect your system and

important data from viruses, please visit <http://css.ncifcrf.gov/helpdesk/virus.asp>, or contact the Helpdesk for further information or assistance.

## *New Site-Licensed Software Available from the Helpdesk*

SAS for Windows 9.0 joins the growing list of site-licensed software freely available from the Computer Services Helpdesk. Please contact the Helpdesk to borrow the software or see <http://css.ncifcrf.gov/helpdesk/software.asp> to review the complete list of available titles. ♦

## *Contacting C&SS*

### *Computer Services Helpdesk*

Web: <http://css.ncifcrf.gov/helpdesk>  
E-Mail: [helpdesk@css.ncifcrf.gov](mailto:helpdesk@css.ncifcrf.gov)  
Phone: 301-846-5115

### *Hours of Operation:*

8:00 a.m.–5:00 p.m.,  
Monday through Friday

### *NCI-Frederick Webmaster*

Phone: 301-846-6700  
E-Mail: [webmaster@css.ncifcrf.gov](mailto:webmaster@css.ncifcrf.gov)

### *Other Inquiries*

Phone: 301-846-1060

## *US Flag from Operation Enduring Freedom Presented to BDP*

Recently, Staff Sergeant Gillis M. Bolden, Jr., U. S. Army, fiancé of Ms. Lydia Lopez, Secretary, Biopharmaceutical Development Program (BDP), SAIC-Frederick, Inc., presented BDP with a United States flag that had flown in front of the U.S. Embassy in Afghanistan. Sergeant Bolden was stationed at the U.S. Embassy, Kabul, Afghanistan, from October 2002 through April 2003. A signed certificate by Robert Finn, U.S. Ambassador to Afghanistan, accompanies the flag. The flag will “tour” NCI-Frederick September through November and will then be displayed in Building 458. ♦

## *20 Earn AALAS Certification*

Like many groups on the NCI-Frederick campus, Laboratory Animal Sciences Program (LASP) employees maintain efficiency and constantly refine their expertise through national certification by the American Association for Laboratory Animal Science (AALAS), the highest recognition technicians can achieve.

Certification is awarded at three levels: Assistant Laboratory Animal Technician (ALAT), Laboratory Animal Technician (LAT), and Laboratory Animal Technologist (LATG), with the latter being the highest level. To be certified at each level, you must meet certain prerequisites in education and experience, and pass a certification examination, after which you are listed in a Technician Certification Registry for two years. To continue, you must take continuing education units (CEUs) on a 1-year schedule, maintain your AALAS membership, and pay

Registry fees every two years (when submitting your CEUs), according to the AALAS flyer.

The following people, from both NCI-Frederick and NCI-Bethesda, have recently been certified:

|                     |       |
|---------------------|-------|
| Mary Albaugh        | LAT   |
| Ranee Baker         | LAT   |
| Katharine Bergstrom | ALAT  |
| Carrie Bonomi       | ALAT  |
| Suzanne Borgel      | ALAT  |
| John Buckley        | LATG  |
| Lisa Craig-Davis    | LATG  |
| Kelly Dougherty     | ALAT  |
| Angie Hackley       | ALAT  |
| Victoria Keck       | ALAT  |
| Mary May            | ALAT  |
| Matthew McCollum    | ALAT  |
| Catherine Morgan    | ALAT  |
| Tamara Morgan       | ALAT  |
| Stephanie Newborg   | ALAT  |
| Raul Santacruz      | ALAT  |
| Karen Shankle       | ALAT  |
| Charlene Shaw       | LATG  |
| Carol Smith         | ALAT  |
| Lori Warg           | LAT ♦ |

## *SAIC Corporate Elects New CEO*

SAIC Corporate’s Board of Directors has unanimously elected Kenneth C. Dahlberg to succeed J. Robert Beyster as the company’s next CEO, effective November 4, 2003.

Last April Dr. Beyster presented to SAIC’s Board of Directors a succession plan for the smooth and orderly transition of the CEO position. The Board approved the plan and established a Search Committee. Among numerous well-qualified candidates, Kenneth Dahlberg, General Dynamics’ executive vice president for its Information Systems and Technology Group, was chosen. Dr. Beyster commented that Mr. Dahlberg brings “tremendous

leadership qualities...to SAIC.” Dr. Beyster will continue as chairman of the Board of Directors until July 2004.

In a recent global e-mail to SAIC employees, Dr. Beyster said, “Together, we have built a premier company that is legendary in many circles. In the 34-plus years that I’ve watched this company grow, I’ve had the privilege to work side-by-side with some of the most talented, high-caliber individuals that are the envy of our competitors. SAIC’s customers recognize our willingness to take on the nation’s most complicated technical challenges and our dedication and commitment in getting the job done. I believe that my conviction to help our government on issues of national importance is reflected in all of you, and for that I am truly proud. Not only have we built a company that is filled with talent, but SAIC also is known for its thorough professionalism, for its strong sense of values and ethics, and for its entrepreneurial spirit.”

He continued, “Going forward, we must endeavor to maintain our remarkable legacy. Ken has demonstrated the leadership qualities, the desire, and the commitment to help us do that. He also has shown an appreciation and understanding of why SAIC’s employee-ownership culture has been the cornerstone of our success since the company’s founding in 1969.” ♦

## Entertainment for Snow Days

The prognosis has been made, and it isn't good: this winter is expected to be snowy, so at times you may be cooped up with only television to entertain you. What better opportunity will you find to catch up on those **Science in the Cinema** programs you missed, or read a book? Perhaps the Scientific Library can help.

Each time we present a film in the SciLib Theatre **Science in the Cinema** series, we purchase the videotape for our circulating collection. We also videotape the follow-up, where our guest speakers lead discussion on fascinating topics relating to the films. To date, we have 13 movies:

| <u>Film</u>                    | <u>Date</u> | <u>Speaker</u>    | <u>Topic</u>          |
|--------------------------------|-------------|-------------------|-----------------------|
| <i>Medicine Man</i>            | 1992        | Dr. Gordon Cragg  | Natural Products      |
| <i>Outbreak</i>                | 1995        | Dr. David Franz   | Biohazards            |
| <i>Gattaca</i>                 | 1997        | Dr. Mike Dean     | Genetics              |
| <i>Lorenzo's Oil</i>           | 1992        | Dr. Mike Dean     | Drug Development      |
| <i>The Doctor</i>              | 1991        | Kathy Higinbotham | Being a Patient       |
| <i>Madame Curie</i>            | 1943        | Dr. Sally Spence  | Women Scientists      |
| <i>Philadelphia</i>            | 1993        | Dr. John Coffin   | AIDS                  |
| <i>A Beautiful Mind</i>        | 2001        | Dr. Amar Klar     | Schizophrenia         |
| <i>The Light in the Jungle</i> | 1992        | Philip Roessler   | Albert Schweitzer     |
| <i>Desk Set</i>                | 1957        | M.J. Tooley       | Libraries & Computers |
| <i>Regarding Henry</i>         | 1991        | Seldon Cooper     | Brain Injury          |
| <i>Never Cry Wolf</i>          | 1983        | Mike Nickerson    | Arctic Environments   |
| <i>Wit</i>                     | 2001        | Kitty Nalewaik    | Ovarian Cancer        |

Before the first snowflake falls, we hope to have received all of the companion books which prompted these movies; for example, *A Beautiful Mind*, by Sylvia Nasar; *Madame Curie, A Biography*, by Eve Curie; *Never Cry Wolf*, by Farley Mowat; and *Schweitzer, A Biography*, by George Marshall and David Poling.

To complement this singular collection, we have over 300 videotapes, among which may be found: *The Real Science Behind the X-Files*, *More Real Science Behind the X-Files*, *Why I Should Stay Awake in Science Class*, an exciting selection of Nova and PBS broadcasts (many of which address the work of scientists here at NCI-Frederick), and most intriguing of all, *Puss in Boots, Adventures of the Library Cat*, which investigates cat mascots that live in libraries throughout the United States. There is also a hefty selection of health and wellness videos in our Center for Health Information collection—just what you'll need to help you pursue those New Year's resolutions.

Also consider taking advantage of our Reading Diversions series, the Library's distinguished selection of books that talk about science in an entertaining or provocative way. You can find the entire list on our Web site, at <http://www-library.ncifcrf.gov>. Once there, click on Online Catalog, then Reading Diversions. Here is a selection of titles you'll find:

*Big Shot: Passion, Politics, and the Struggle for an AIDS Vaccine.*

Patricia Thomas. WC503.2.T461 2001. A veteran journalist dramatizes the controversial search for an AIDS vaccine, the players, politics, and money, in a story that reveals how science is done and not done in America today.

*Curing Cancer: The Story of the Men and Women Unlocking the Secrets of Our Deadliest Illness.* Michael Waldholz. QZ 201.W163 1997. Veteran Wall Street Journal reporter Waldholz surveys promising breakthroughs in the labs where basic science takes place.

*Deadly Feasts: Tracking the Secrets of a Terrifying New Plague.* Richard Rhodes. WL300.R477 1997. Rhodes, a non-fiction writer, doesn't miss a beat in his disturbing story about the terrifying specter of emerging prions, igniting a national debate about food safety.

*Deadly Medicine: Why Tens of Thousands of Heart Patients Died in America's Worst Drug Disaster.* Thomas J. Moore. QV150.M824d 1995. In exploring how this disaster evolved, the author questions how researchers test drugs, what companies do to sell them, and what doctors do and don't know about the drugs they prescribe and we consume.

*The Demon in the Freezer: A True Story.* Richard Preston. WC585.P939 2002. Journalist Preston covers the history of smallpox and the heroic campaign to eradicate the disease, including a discussion of the frozen stores of the virus and the potential for biological warfare.

*Dr. Folkman's War: Angiogenesis and the Struggle to Defeat Cancer.* Robert Cooke. QZ267.C773 2001. The story of Judah Folkman's work on the formation of blood vessels and its application to the treatment of cancer.

*Ebola Through the Eyes of the People.* William T. Close. WC 534.C645 2002. Congo physician and surgeon Close tells the compelling story of death and true heroism of the real doctors, nurses, and victims of this disease.

*The Emperor of Scent: A Story of Perfume, Obsession, and the Last Mystery of the Senses.* Chandler Burr. WV 301.B968 2002. Burr, who has made a hobby of collecting fragrances, published a collection of his reviews and in so doing solved the puzzle of how smell works, hitting the insular business of perfume makers like a thunderclap.

*Human Wildlife: The Life That Lives On Us.* Robert Buckman. QX 45.B925 2002. Your body has 100 trillion cells, only 10 trillion of them human; the rest belong to bacteria, fungi, viruses, and parasites that live on and in us.

*Medicine Quest: In Search of Nature's Healing Secrets.* Mark J. Plotkin; illustrations by Laurence Richardson. QV 752.P729 2000. Apprentice to shamans, ethnobotanist Plotkin, who works with indigenous peoples to document their uses of local plants, describes the search for miraculous new medicines from Mother Nature.

*The River: A Journey to the Source of HIV and AIDS.* Edward Hooper. WC 503.41.H785 1999. Based on over 600 interviews and extensive library research, this history of the AIDS epidemic raises questions about the inquiry into the origins of the disease. It is long enough for a record-breaking blizzard.

*Science Fictions: A Scientific Mystery, A Massive Coverup and the Dark Legacy of Robert Gallo.* John Crewdson. WC 503.C74 2002. Pulitzer Prize-winning journalist Crewdson (*The Tarnished Door*) provides a comprehensive and compelling examination of the controversy surrounding the discovery of the AIDS virus.

*The Science of Cooking.* Peter Barham. TX 651.B147 2001. Revealing that the kitchen is no different from most science laboratories, Barham unravels the mysteries of the "art" of good cooking.

*The Social Life of Information.* John Seely Brown And Paul Duguid. Z 699.B878 2002. Deemed by the *Financial Times* as one of the best-read books of the Internet age, this tome discusses the impact of technology on the workplace, communities, and life in general.

*The Speckled Monster: A Historical Tale of Battling Smallpox.* Jennifer Lee Carrell. WC 588.C314 2003. The dramatic story of two parents who dared to fight back against the disease after barely surviving it themselves, flouting 18th century European medical tradition.

*The Surprising Archaea: Discovering Another Domain of Life.* John L. Howland. QW 50.H864 2000. An account of the exotic attributes and evolutionary implications of Archaea, ancient microorganisms that consume carbon dioxide instead of oxygen and release methane into the atmosphere.

*Typhoid Mary: Captive to the Public's Health.* Judith Walzer Leavitt. WC 270.L439 1996. The definitive book on the life of Mary Mallon, who over seven years infected almost fifty people, presenting a picture of early-20th century New York.

*Virus: The Co-Discoverer of HIV Tracks its Rampage and Charts the Future.* Luc Montagnier, translated. QW 168.5.H6 M758 2000. French virologist Montagnier discusses his work in identifying HIV in a combination scientific detective story and memoir.

So on those mornings when the radio announcer forecasts snow, plan to drop by the Library on your way to the office to stock up on your entertainment supplies. Remember to buy popcorn along with your bread, milk, and toilet paper at the grocery store on the way home. ♦

## *The Poster Staff*

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*Sue Wilson*

*Robin Meckley*

*Published four times a year by Scientific Publications, Graphics & Media for the National Cancer Institute at Frederick, Frederick, MD 21702.*

<http://web.ncifcrf.gov/ThePoster>

## Job Openings

### *SAIC-Frederick, Inc.*

**Animal Caretaker I:** positions require completion of 8th grade and the ability to lift and carry up to 50 lbs.

**Research Technicians** (various laboratories): positions require BS degree or equivalent (4 years) related biomedical research experience.

**Sr. Research Technicians** (various laboratories): positions require BS degree or equivalent plus 2 years of related biomedical experience.

**Research Associates** (various laboratories): positions require BS degree or equivalent plus 4 years of related biomedical experience.

**Clinical Research Associates** (various levels), Clinical Monitoring Research Program: positions require minimum of BS degree (preferably in a scientific discipline, BSN, or pharmacy) and a minimum of 2 years directly related experience overseeing multiple concurrent clinical trials.

For a complete listing of all open positions, or to apply for posted openings, please visit our Web site at: <http://saic.ncifcrf.gov>



## *Research and Training Opportunities*

Please contact the individual contractor's human resources representative or go to the contractor's Web site for up-to-date, detailed information and job requirements.

### **Charles River Laboratories**

<http://www.criver.com>

### **Data Management Services**

<http://css.ncifcrf.gov/about/dms.html>

### **National Cancer Institute at Frederick**

<http://www.training.nih.gov/postdoctoral>

### **SAIC-Frederick, Inc.**

<http://saic.ncifcrf.gov>

### **Wilson Information Services Corporation**

<http://www-library@ncifcrf.gov>

The National Cancer Institute at Frederick

# Poster

Frederick, MD 21702-1201



# Shuttle Service

## *Everything You Wanted to Know about the Protective Services Passenger Shuttle Service (But Were Afraid to Ask)*

1. The shuttle to the National Institutes of Health (NIH) has four trips daily, Monday–Friday (see schedule below).
2. The shuttle stops at NIH Buildings 45, 31, and 10.
3. Passengers may be transported while conducting official Government business only. Transportation for non-official passengers (spouses, children, etc.) in a Government-owned vehicle is prohibited.
4. Passengers are prohibited from carrying biological, chemical, or radiological packages onto the shuttle.
5. The shuttle leaves the parking lot of Building 426, NCI-Frederick, at the exact time specified.
6. Excluding inclement weather conditions and depending on traffic, the shuttle will arrive at each destination approximately five minutes before its next departure time.
7. The shuttle leaves each NIH building at the exact time posted on the schedule.
8. In the event of inclement or pending inclement weather conditions, the shuttle run may be canceled. Call x1091 to verify shuttle status.

### Protective Services Passenger Shuttle Service Schedule

| Run # | NCI-Frederick Bldg. 426 Leave | NIH Bldg. 45 Leave | NIH Bldg. 31 Leave | NIH Bldg. 10 Leave | NCI-Frederick Bldg. 426 Arrive |
|-------|-------------------------------|--------------------|--------------------|--------------------|--------------------------------|
| 1     | 7:00 AM                       | 8:20 AM            | 8:25 AM            | 8:30 AM            | 9:20 AM                        |
| 2     | 9:55 AM                       | 10:45 AM           | 10:50 AM           | 10:55 AM           | 11:45 AM                       |
| 3     | 12:30 PM                      | 1:20 PM            | 1:25 PM            | 1:30 PM            | 2:20 PM                        |
| 4     | 3:30 PM                       | 4:20 PM            | 4:25 PM            | 4:30 PM            | 5:35 PM                        |

### Points of Departure

NCI-Frederick: Building 426, Main Entrance

NIH:  
Building 31A, Main Entrance  
Building 10, South Entrance  
Building 45, Main Entrance

\*NNMC: Navy Medical Center, Wisconsin Avenue Side  
(\* by request only, 301 846-1091)

**Note: Shuttle bus arrives five minutes prior to departure. Shuttle bus will depart at the exact time posted. ♦**



*Dave White has served as the shuttle bus driver for 10 years.*

# Weather Advisory

You peer out the bedroom window and see softly falling snow or the gleam of ice. Is the base closed? Here's how to find out. Call the Fort Detrick Telenews (301-619-7611), listen to local radio/television stations, or contact the Frederick News Post Sound Source for information.

## Closing or Delayed Opening

Remember: When Fort Detrick is closed, NCI-Frederick is also closed; when Fort Detrick has a delayed opening, NCI-Frederick has a delayed opening. NCI-Frederick does not follow weather closing or delayed opening advisories for the NIH-Bethesda campus or Washington metropolitan area.

## Early Dismissal

For early dismissal, NCI-Frederick operates independently of Fort Detrick; therefore, your supervisor will notify you if NCI-Frederick closes during work hours.

## Who Ya Gonna Call?

### Telephone

|                              |  |
|------------------------------|--|
| Recorded weather line        | 301-619-7611                             |
| Ft. Detrick toll free number | 1-800-256-7621, *8, 37611#"              |
| TDD                          | 301-619-2293                             |
| Sound Source weather line    | 301-695-2633, press 3801 (recorded line) |

**Internet** (This will only be used if there is a change in operating hours.)

Fort Detrick's home page: <http://detrick.army.mil/>. Weather information pops up automatically.

### Radio/TV

#### Frederick, MD

|      |          |
|------|----------|
| WAFY | FM/103.1 |
| WFMD | AM/930   |
| WFRE | FM/99.9  |

#### Hagerstown, MD

|      |          |
|------|----------|
| WARK | 1490     |
| WARX | 106.9    |
| WJEJ | AM/1240  |
| WWMD | FM/101.5 |
| WHAG | AM/1410  |
| WQCM | FM/96.7  |
| WHAG | TV/Ch. 2 |

#### Baltimore, MD

|        |           |
|--------|-----------|
| WBAL   | AM/1090   |
| WIYY   | FM/97.9   |
| WPOC   | FM/93.1   |
| WCAO   | AM/600    |
| B104.3 | FM/104.3  |
| WJZ    | TV/Ch. 13 |

#### Thurmont, MD

|      |         |
|------|---------|
| WTHU | AM/1450 |
|------|---------|

#### Williamsport, MD

|      |         |
|------|---------|
| WCRH | FM/90.5 |
|------|---------|

#### Chambersburg, PA

|      |         |
|------|---------|
| WCHA | AM/800  |
| WIKZ | FM/95.1 |

#### Gettysburg, PA

|      |          |
|------|----------|
| WGET | AM/1320  |
| WGTY | FM/107.7 |

#### Mercersburg, PA

|      |          |
|------|----------|
| WSRT | FM/104.7 |
|------|----------|

#### Greencastle, PA

|      |          |
|------|----------|
| WHGT | AM/1380  |
| WAYZ | FM/104.7 |

#### Martinsburg, WV

|      |         |
|------|---------|
| WEPM | AM/1340 |
| WLTF | 97.5    |

#### Charles Town, WV

|      |         |
|------|---------|
| WMRE | AM/1550 |
| WXVA | FM/98.3 |

#### Arlington, VA

|      |          |
|------|----------|
| WWVZ | FM/103.9 |
| WWZZ | FM/104.1 |

#### Washington, DC

|      |           |
|------|-----------|
| WTOP | AM/1500   |
| WMZQ | 1390/98.7 |
| WRQX | FM/107.3  |

