

## LHTP Moves from Bedside to Laboratory

*By Maritta Perry Grau*

Why do so many drugs that look so promising in animal models fail when they are tried in human clinical trials? How can you make preclinical discovery and development more accurate at predicting what will occur in the clinic? How can you improve the correlations between drug development models and human patients who will be treated with those drugs?



*Dr. Ralph Parchment,  
Director, LHTP*

These questions have been debated among researchers for several years. Enter the FDA's Exploratory IND, which

enables Phase Zero (Phase 0) clinical trials, an idea whose time has come.

Unlike traditional clinical trials (Phases I and II) that may take several years, a hundred patients, and cost up to a million dollars to determine the tolerance, safety, and effectiveness of each drug tested, a phase 0 trial concentrates on as few as six to 10 patients and may last only a few weeks or months. The Phase 0 trial focuses on whether an experimental drug works as it's designed to work at the molecular level. By combining pharmacodynamics (how the body responds to a drug) and pharmacokinetics (how a drug behaves in the body), the Phase 0 trial aims to weed out drugs that look good in animal models but can't do well in human trials because they are unable to affect molecular targets.

"The rule for phase 0 is to determine if a new drug exerts its designed molecular effect, but without risk of toxicity. With the findings from a Phase 0 trial, you have some human evidence that [the drug] actually has a chance of working in Phase I, II and III trials. The compound goes into full clinical development with much greater justification than can be provided by traditional preclinical modeling studies alone," explained Dr. Ralph Parchment, Director of the Laboratory of Human Toxicology and Pharmacology (LHTP), Applied/Developmental Directorate (ADD).

SAIC-Frederick, Inc.'s Laboratory of Human Toxicology and Pharmacology is a linchpin in the NCI's phase 0 trial strategy. The multi-laboratory group supports the Division of Cancer

*(continued on page 3)*

## SAIC-Frederick, Inc., "Jewel in the Crown" of SAIC

*By Nancy Parrish*

In his closing remarks at the 11th Annual Awards Ceremony, Larry Arthur, Ph.D., President, SAIC-Frederick, Inc., said that the Board of Directors of SAIC considers SAIC-Frederick Inc., the "jewel in the crown" of the corporation. "You should take credit for this," he added, smiling at the audience of more than 800 employees.



*Dr. Larry Arthur, president of SAIC-Frederick, Inc., presented highlights of the 2006-2007 contract year at the Awards Ceremony on December 13.*

In his "OTS Contract Year in Review" address, Dr. Arthur noted the diversity

of our workforce, with 27 percent minority employees, up from 16 percent just seven years ago. After presenting the newest SAIC-Frederick, Inc., directors, Tim Harris, Ph.D., director of the Advanced Technology Program, and Barry Gause, M.D., director of the Clinical Research Directorate, Dr. Arthur spoke about the growth of the NCI-Frederick prime contract. The workforce has grown from 300 employees in 1972 to more than 1,720 today. The annual operating budget grew from \$10 million to \$110 million when SAIC took it over in 1995, and today it is \$400 million.

*(continued on page 4)*

Arthur's Corner

## Advanced Technology Partnerships Initiative Established to Enhance Translation of Basic Discoveries to Clinical Applications



*Dr. Larry Arthur*

As I noted at the Annual Awards Ceremony, SAIC-Frederick employees are actively engaged in development of diagnostic tools and

treatments for cancer and AIDS. This work spans the spectrum from basic research through production of clinical-grade experimental drugs to assisting with experimental clinical trials.

Examples of our activities include:

- Basic and clinical research, including clinical immunology, patient monitoring, and support to national and international clinical trials;
- Advanced technologies, such as molecular biology, genetics and proteomics, nanotechnology, imaging, and advanced scientific computer services, including molecular modeling, drug design and bioinformatics;
- cGMP biopharmaceutical development and manufacturing such as vaccines, drugs, and biologics, including in vivo and in vitro cancer and viral therapeutics.

The past 10 years have seen a dramatic increase in the number of candidate drug targets for the treatment of cancer and AIDS; however, transition from basic discoveries to actual application in the clinic has been inefficient. In fact, the number of new drug

candidates submitted to the Food and Drug Administration (FDA) for approval from 1993 to 2004 increased by only 7 percent, despite an increase in private sector research and development expenditures of 147 percent. In conventional drug development, it takes 10 to 12 years and costs from \$400 million to \$800 million (or more) to go from a new research discovery to a drug that can help patients. The FDA has reported, "There is an urgent need to improve the drug development process and to enhance collaboration among the Government, Industry, and Academia."

In response to this critical situation, The National Cancer Institute (NCI) has established the Advanced Technology Partnerships Initiative (ATPI) to enhance translation of basic discoveries to clinical applications. The mission statement for the ATPI is "To accelerate the delivery of new products to cancer patients using a novel business/research model, advanced technologies, and effective public-private partnerships." We are currently selecting a site to provide a new building outside of Fort Detrick in which we will consolidate drug development and technology programs of NCI-Frederick that are now scattered among more than 30 buildings. We have a mandate to provide a strong training and educational component with the ATPI, and the new facility will incorporate a community environment to encourage close collaboration between partners that could result in a technology and development "think-tank" to tackle common problems and barriers to the successful development of products for cancer and AIDS patients.

This new facility will not only provide us with much needed new laboratory space but will also open up the possibility of long-term partners constructing their own facilities nearby. In addition, we will encourage education institutions to take the opportunity to create classroom space near the research facilities to train the next generation of translational researchers with a combination of lectures and hands-on laboratory experience. Finally, this initiative will provide an ideal site for a technology incubator to support the entrepreneurial process for startup companies focused on biomedical technology.

We are quite excited about this new venture. Although we will be moving some of our employees to the new facility, most of our workforce will continue to be located at our present campus on Fort Detrick. We would not have been selected to assist NCI in this endeavor if we had not been highly successful in our support of NCI in the past. This success is a direct reflection of the dedication and hard work of the SAIC-Frederick, Inc., employees. I want to extend my personal appreciation to each of you for your commitment to our goals in fighting these deadly diseases. ❤️

A handwritten signature in black ink that reads "Larry O. Arthur".

Larry O. Arthur, Ph.D.

*Principal Investigator of the Operations and Technical Support Contract and Associate Director of the AIDS Vaccine Program, SAIC-Frederick, Inc.*

**LHTP** *(continued from page 1)*

Treatment and Diagnosis, led by Dr. James Doroshov, and NCI's NExT (NCI Experimental Therapeutics) program in a number of technical areas, many of which translate directly to the Phase 0 trial protocol. A key technical area is the development, validation, and clinical readiness of laboratory assays to use in the clinical trial for assessing drug effect on the molecular target. This area—assays—is the responsibility of the PD Assay Development and Implementation Section (PADIS), led by principal scientist Dr. Robert Kinders. PADIS collects scientific knowledge from many laboratories and applies this information to develop the necessary assays that can be duplicated in other laboratories. The assay is shown to be clinically ready by a successful transfer of the validated assay to the SAIC-Frederick, Inc., laboratory supporting the National Clinical Target Validation Laboratory (NCTVL), NIH, in Bethesda, led by Dr. Jay Ji. The NCTVL support laboratory, in turn, applies the assay to analyze the drug effect in tumor biopsies and surrogate normal tissues from patients participating in the Phase 0 trials.

Only 5 percent of new oncology drugs submitted to FDA under Investigational New Drug applications receive approval from FDA, according to NExT, so Dr. Parchment and his colleagues have worked closely with Dr. Melinda Hollingshead, Chief of DTP's Biological Testing Branch, to "humanize" the testing of the proposed drugs in animal models and combine it with clinical procedures for collecting biopsy samples.

"If you give the drug to the mouse in the same form, dose, and frequency that a human will receive it, and assess drug effects in the mouse and the tumor it harbors, using the procedures practiced in the clinical trial, the relationship between the laboratory data and the clinical data will probably

be much closer. Then you have more confidence that when you pick a winner in the mouse, it really has a much better than [the usual] 5 percent chance of being a winner in the clinic," Dr. Parchment said.

Dr. Parchment's laboratory performs what he calls a kind of reverse translational research, in which his staff starts at the bedside by talking to the clinicians to determine parameters, restraints, and constraints on the practice of the PD assay in the clinical



*Dr. Robert Kinders, principal scientist, PD Assay Development and Implementation Section*

trials, and then moves back to the laboratory to develop the assays under these parameters. "Nobody [in the clinic] would be very interested that the scientists can get an assay to work, unless it can be shown to work under a condition that can be replicated in the clinic. So we're a very applied research laboratory. Our goal is to create utility out of the scientific knowledge," he said.

Dr. Parchment's group asks who the typical patients will be, what tissue samples will be taken, what procedures will be used to obtain the samples, and how fast the specimens will be available for the lab staff to process, even including how far and how long the samples have to travel.

"You've already taken it away from blood supply, nutrients, oxygen, and the tissue is basically dying. How do you know that the signal doesn't change while it is being transported to the lab? That may take 10 minutes, but

enzymes work on a scale of seconds. So if an enzyme does 10 million reactions per second, 10 minutes can change the whole tissue sample. And what happens if you walk outside, and you blast it with sunlight, or you put it on ice?" Dr. Parchment said.

While Dr. Parchment's laboratory and the NCTVL plan to develop and validate three or four assays a year, the number of mouse tumor specimens they analyze annually is in the thousands during the assay development phase, and the validation phase, to show how reproducible the assay is. Such a major project requires close collaboration and coordination between LHTP and the Phase 0 clinical team at NCI-Bethesda, the DCTD Office of the Director, Dr. Hollingshead, and finally the NCTVL. "LHTP couldn't do this by itself," Dr. Parchment said.

"It's been really a lot of fun. A lot of very talented people have come together to share this vision to improve developmental therapeutics. We're taking steps that are successful, I think, in finding which drugs deserve full clinical development based on Phase 0 results, and also potentially to improve development and discovery, so that more effective drugs get into the clinic. It's a huge melding of ideas to make something incredibly useful out of all this science," he concluded.

For more information on Phase 0 trials, go to <http://www.cancer.gov/newscenter/pressreleases/PhaseZeroNExTQandA/>. 📄

**Jewel in the Crown** *(continued from page 1)*

## Goals Outlined

The goals for SAIC-Frederick, Inc., Dr. Arthur said, are to improve services, to enhance the interface between the management and administrative staff, and to improve laboratory facilities. The first goal involves all directorates, but specifically the Advanced Technology Program, which is now recognized worldwide and represents the nucleus of new endeavors. Dr. Arthur also noted that Facilities Maintenance and Engineering has greatly improved its services over the last several years and will continue to do so.

Enhancing the interaction between management and administrative staff has been addressed through our matrix management structure, represented by the 10 directorates developed for specific activities. Just as important has been the creation of the Operations and Technical Support (OTS) Management Committee, which was founded five years ago on Dr. Arthur's belief that the people doing the work should also be the ones advising how it should be done. This committee has effected a number of improvements since its inception. Not coincidentally, the Award Fee scores have, with few exceptions, continuously improved

since 2002, and Dr. Arthur is confident that these scores will remain at the Outstanding level in 2008 and beyond.

Improving our laboratory facilities literally takes an act of Congress, Dr. Arthur explained, because we are located on a government-owned facility, and special funds must be appropriated for new construction. However, building off site, such as was done with the Vaccine Pilot Plant, enables us to obtain needed funding. The Advanced Technology Research Park is another facility planned for an off-site location. Site selection is expected to be finalized in January 2008, and construction is scheduled to begin in July 2008, with occupancy anticipated in 2010. This new facility will be anchored by the ATP and the Biopharmaceutical Development Program, and include research partners from the public, private, and academic sectors, as well as a hotel and conference center.

## New Contract Proposal Submitted

SAIC-Frederick, Inc., submitted its proposal to operate the new contract on November 9. Dr. Arthur gave special thanks to Beth Kelly and Rich Pendleton for their outstanding effort in preparing the proposal, which was more than 1,200 pages. The new contract,

which will begin September 29, 2008, is a sole-source, 10-year contract, Dr. Arthur noted, with a 3-year base, five 1-year options, and one 2-year option, and is valued at more than \$5 billion.

## "Give Yourselves a Round of Applause"

Looking ahead, Dr. Arthur said that the organization is changing to better meet translational and research needs. In addition to a new chief financial officer, a new chief executive officer will be hired, at which time Dr. Arthur will step down to take the chief scientist position. He concluded by thanking all of the employees for a good year. "It's you that made this possible," he said. "Give yourselves a round of applause." 🎉

## Quality Control

## Excellent Customer Service Starts with Quality

*By Steve Harshman*

Providing excellent customer service starts with quality. If what we provide does not meet or exceed the level of quality expected by our customer, the result is a customer service issue.

Quality, however it is defined by the customer, is of primary importance when we deliver a product or service. What we provide to our customer represents the tangible component of customer service and establishes the foundation for an effective customer service program. But customer expectations are not limited to just what we deliver. Customers also have expectations when it comes to how and when we should interact with them. The nature and frequency of communication with our customers

as well as our responsiveness to their questions and concerns are all part of the intangible component of customer service. Even if we provide the best product or service available, if we ignore this intangible component of customer service, a customer service issue could result. For the customer, quality may come first, but he or she also wants to be involved and informed. As the supplier, we must manage both the tangible and intangible components of the customer's experience to ensure we have a satisfied customer. 🎉

## On Effective Communication

By Ken Michaels



*Editor's note: This is the first in a series of regular articles on communication by the manager of Visual Communications. These articles have appeared in ATP Update, the newsletter for the*

*Advanced Technology Program, and are reprinted for the wider audience of SAIC-Frederick, Inc.*

**Communication Tip:** Give special attention to the introduction.

I'll skip the cliché about first impressions and just mention that the first words a speaker utters when taking the podium can be the most important

words of the whole talk. That's because they set the tone and give the audience an idea of what's coming. And lots of people will decide right then and there how valuable the seminar is going to be.

Oral presentation advice is sometimes expressed as:

- Tell them what you're going to tell them.
- Tell them.
- Tell them what you told them.

This advice is not urging you to treat your audience like children. It's reminding you that an oral presentation is enhanced in terms of ease of understanding by an effective introduction and an effective conclusion.

It's surprising how often scientific presentations tend to skip both.

Bear in mind as you plan your next talk that somebody in the audience, or perhaps several somebodies, have no idea what you've been doing in your lab, or why you've been doing it. If you launch right into the talk, some people may already be trying to catch up with you. And when a speaker and the audience are out of sync, understanding suffers. So take a few moments before getting into your work to set the stage with a few words of introduction; explain to your audience what you'll be taking about for the next 30 minutes or so, and why it's important. The first 60 seconds of your talk may well be the most important. 

## Supergraphics Profile

### Good Chemistry

By Lisa Simpson

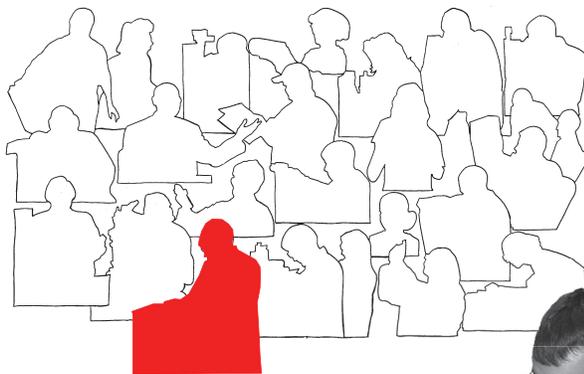
Metabolomics and proteomics, the sciences of detecting and measuring the metabolites and proteins produced by living organisms, are two of the hottest research areas in the life sciences today. Timothy J. Waybright, Research Associate II, Laboratory of Proteomics and Analytical Technologies (LPAT), works to advance these fields through his expertise in mass spectrometry, an analytical technique that helps scientists differentiate between healthy and diseased organisms.

Mr. Waybright came to NCI-Frederick more than 16 years ago, drawn by "the reputation and quality of work that was being done here," he said. His bachelor's degree in chemistry landed him first in the Drug Preparation Laboratory, then the Natural Products Group. After earning his master's degree, he joined

LPAT in 2004. There, he enjoys "the diverse array of projects" that the lab participates in, as well as the "great group of people" with whom he works.

In his spare time, Mr. Waybright enjoys gaming with historical miniatures, which he paints himself. He also enjoys spending quality time browsing through flea markets and antique shops with his wife.

The supergraphics images on the walls of Building 549 were created to celebrate the diversity of talents, expertise, and creativity of the employees at NCI-Frederick. 



## Project Management

### Work to a Solution; Don't Jump to It

By Carmen Clark

When we reach for the first obvious solution to a problem, we are “solution-jumping.” This approach is fast, but may not yield the best results. Only when we fully understand and articulate the need can we identify the best solution. A *Requirements Document* does just that in project management: Describes the need.

The *Requirements Document* should

- provide a comprehensive description of the project;

- define the impact or effect of the project;
- identify who or what is affected by the project;
- indicate the impact of not performing the project;
- describe the desired outcome;
- discuss the value or benefit of achieving the desired outcome and the outcome's effect on other aspects of the organization;
- provide a statement of the strategic importance of the project;
- list any uncertainties and unknowns;
- provide key assumptions, constraints, and any environmental considerations



*Project management classes help you learn how to identify project requirements so that you can select the best solution to the problems.*

in categories, such as business, marketing, operational, and technical; and

- provide any background or supporting information leading to the need for the project.

Elaborating the true needs of the project is a basic tenet of project management. ↻

## Fitness Enthusiasts Increase Their Mileage

By Lisa Simpson

2007 was an on-the-go year for the Fitness Challenge. Participation increased to 843 registrants—a 27 percent increase from the 2006 Challenge—and the group collectively ran, walked, and biked more than 41,200 miles, surpassing last year's total by 37 percent. Challenge members also completed 260 days' worth of other fitness activities and shed nearly 800 pounds.

Prizes were awarded after each month's weigh-in to those who achieved the best results in the three Fitness Challenge categories—pounds lost, miles traveled, and hours of other fitness activities—providing additional motivation. Due to regulations that prohibit them from receiving prizes from SAIC-Frederick, Inc., for their participation in the Fitness Challenge, federal employee monthly winners received prizes



*SAIC-Frederick, Inc., 2007 Fitness Challenge winners at the Annual Awards Ceremony. L to R, Corina May (CRD), Tania Defibaugh (CRD), and Dwayne Neal (VCMP) gather with Fitness Challenge coordinator Barbara Romeka (OHS).*

donated by Fort Detrick's Morale, Welfare, and Recreation Directorate.

### SAIC-Frederick, Inc., Employees Shine

At the December 2007 Annual Awards Ceremony (AAC), the dedication shown by SAIC-Frederick, Inc., employees to the Challenge was rewarded with first-, second-, and third-place prizes for their accomplishments. The standings for the AAC awards were calculated against Challenge results from the 374 SAIC-Frederick, Inc., participants only.

However, the first-place winners also ranked first in their respective categories when compared to the entire Challenge participant pool!

### Congratulations to our 2007 Fitness Challenge winners:

**Highest percentage of weight lost:** 1st place, Corina May, Clinical Research Directorate; 2nd place, Adrienne Diehl, Laboratory Animal Sciences Program; 3rd place, Tania Defibaugh, Clinical Research Directorate.

**Most miles traveled:** 1st place, Dwayne Neal, Vaccine Clinical Materials Program; 2nd place, Wayne Helm, Facilities Maintenance and Engineering; 3rd place, Terri McLellan, Laboratory Animal Sciences Program.

**Most hours of other fitness activities:** 1st place, Terri McLellan, Laboratory Animal Sciences Program; 2nd place, Bill Lonergan, Facilities Maintenance and Engineering; 3rd place, Stephanie Henderson, Basic Science Program. ↻

## Awards Ceremony Draws Highest Attendance Ever

By Nancy Parrish

The Winter Staff Meeting morphed into the 11th Annual Awards Ceremony this year, and drew more attendees than in any previous year. "More than 1,200 people responded to our invitation, and we had 850 at the awards program," said Craig Gladden, chair of the event. "That's the largest response we've ever had," he added.



Contributing to the theme of diversity, Dr. Anil Shanker's daughter performed a lively dance in costume.

Hosted by the Executive Staff of SAIC-Frederick, Inc., the event was held December 13 at Lynfield Complex, a venue specifically designed to accommodate large events, with easy access and adequate parking. At the opening reception, people were encouraged to mingle while they enjoyed cocktails and a wide range of hors d'oeuvres prepared for the event's theme of diversity and multiculturalism at SAIC-Frederick, Inc. The food, provided by Canapés, was available from buffet tables that offered everything from sushi to salsa, and servers circulated among the guests with platters of even more international treats.

Following the reception, guests moved to another building for the Awards Ceremony itself. Dr. Arthur delivered the "OTS Contract Year in Review," followed by the presentation of awards for outstanding achievement, leading off with the Fitness Challenge winners. Individual and team achievements were recognized with the President's Award, the Norman P. Salzman Mentoring Award, the Distinguished Career Service Awards, Outstanding Achievement Awards,



*The Solutions, a Montgomery College band, played a diverse mix of music from around the world.*

Special Achievement Awards, and Customer Relations Awards. Service awards were presented to employees marking significant milestones in the number of years with the company, from 35 years to 5 years.

The program was interspersed with entertainment by The Solutions, a group of students from Montgomery College, who played a variety of international music, from reggae and Celtic to African and Native American. A native Hindu dance was also presented by a young student dancer. Guests then returned to the main building for dessert, coffee, and music by The Solutions. ♪

## 2007 Award Ceremony Winners

### Distinguished Career Service Award: Administrative



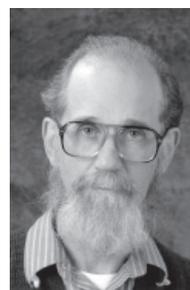
**David Bufter,**  
Director

*Contracts and Administration*

David Bufter began work at NCI-Frederick in 1977 as manager of the Finance Department and in 1997 became Director of Contracts and Administration. Here, he used leadership

skills, provided strong strategic capabilities, and helped prepare and win the proposals for both the current contract and for the proposed contract. "He uses common sense, patience, wisdom, and diplomacy to manage disparate functions within SAIC-Frederick, Inc., and provides an exceptional interface with his counterparts in the government," said one of the nominators. Senior management in NCI, NIH, and SAIC Corporate recognize his leadership skills and accomplishments, and note that he "sets the standard by which all management at SAIC-Frederick, Inc., is measured."

### Distinguished Career Service Award: Scientific



**Thomas McCloud,**  
Manager

*Natural Products Drug Discovery Program*

Thanks in part to Thomas McCloud, research institutions have discovered many new and interesting chemical entities, resulting in hundreds of publications. Mr. McCloud joined NCI-Frederick's Natural Products Drug Discovery Program in the late 1980s, processing and extracting plant,

(continued on page 8)

**Award Winners** *(continued from page 7)*

marine, and fungal collections for novel bioactive molecules for cancer treatment. He devised and implemented creative and unique industrial-scale methods to make these extracts. Now, more than 130,000 plant, 29,000 marine, and 40,000 fungal extracts are stored in the NCI-Frederick repository. He has increased his laboratory's capabilities in chemo/bioinformatics as well as synthetic, analytical, and isolations chemistry. He has helped make the entire NCI Natural Products Repository available to the research community by creating 96-well and 384-well microtiter plate libraries facilitated by laboratory robotics equipment. He presented his findings on handling and storing microtiter plates prepared in solution for bioassay at the 2006 American Society of Pharmacognosy Meeting.

**President's Award****Gary Smythers**

*Advanced Biomedical Computing Center, Advanced Technology Directorate*

Gary Smythers joined NCI-Frederick in 1976 as a protein chemist, moving to the newly formed Advanced Scientific Computing Laboratory (now the Advanced Biomedical Computing Center [ABCC]) in 1985. With his laboratory background and computer skills, he used ABCC's computer hardware to create specialized programs and databases and to modify many others. He helped obtain, install, and make widely available important molecular biology databases and related software applications. In other significant, work-intensive projects, he moved all of the scientific applications and databases to several new computers. An unflagging advocate for laboratory scientists, his technical expertise and

commitment to serving the scientific community have made the ABCC's Bioinformatics group an exceptional national resource. Mr. Smyther's database, GenPept, is daily downloaded around the world.

**Norman P. Salzman Mentoring Award****Dr. Jeffrey Lifson,  
Director**

*AIDS Vaccine Program, Basic Science Directorate*

An open, clear communicator, a good listener, and a mentor for many undergraduate and graduate students, postdoctoral fellows, and others, Dr. Jeffrey Lifson has provided intellectual guidance, the necessary resources, and technical expertise to ensure his trainees achieve their research objectives and independent research careers. Diplomatic and consistently treating others with kindness and respect, his willingness to acknowledge achievement through praise and authorship on manuscripts has also significantly and positively affected his mentees' personal and professional growth. "He demonstrates exceptional knowledge of HIV/AIDS and of cellular and molecular biology and exemplifies attributes that are critical to personal and professional growth," nominators said.

**Outstanding Achievement Award: Administrative****Patricia Price-Abbott**

*Clinical Monitoring Research Program, Clinical Research Directorate*

Patricia Price-Abbott is known for

thinking "outside the box" to improve processes and to ensure sound clinical research. She has reduced redundancies by producing complete, comprehensive submissions to the FDA and transitioning her department to electronic tracking, storage, and review of regulatory submissions. She has helped resolve problems in implementing and utilizing software applications, integrating a formal document control program in her department. She encourages employee growth, education, and certification in the regulatory field; supports new ideas that result in the highest quality of service for clients; and maintains a department that provides a critical function for conducting clinical research, complies with FDA regulations, and is supportive of human subject protection.

**Outstanding Achievement Award: Technical****Matthew Trivett**

*AIDS Vaccine Program, Basic Science Directorate*

Matthew Trivett has determined conditions for generating SIV-specific CD8<sup>+</sup> T-cell clones from SIV-infected and naive macaques and has adapted tissue culture conditions to routinely expand NHP-derived CTL clones

from single-cell cloning plates to billions of cells, while maintaining the functional effector phenotype of the T cells. These techniques have enabled his group to start SIV-specific adoptive T-cell transfer experiments in infected macaques, using CD8<sup>+</sup> T-cell clones. "This development, not yet achieved by any other laboratory, directly results from Mr. Trivett's extraordinary effort and dedication to his work," said his nominators. Mr. Trivett shares his methods and techniques with colleagues at NCI, as well as with the SIV/AIDS community at large. In addition, he is first author on a manuscript in preparation, based on the techniques and methods he has developed.

### Outstanding Achievement Award: Technical



**Angie Dull**  
*Molecular Targets Development Program, Center for Cancer Research*

Angie Dull manages the High Content/ Cellular Imaging Section, Molecular Targets Development Program (MTDP). She has directed several high-priority NCI projects, such as a screening campaign for HDAC/DNMT inhibitors, where she provided the principal investigator with novel compounds for further preclinical development. Using a nuclear translocation imaging assay, Ms. Dull screened more than 21,000 compounds for ER ligands and initiated a collaboration with Dr. Milton Brown, director of the Drug Discovery Program at Georgetown University, to provide the compound, analogs, and chemical libraries to expand MTDP's compound diversity for high-throughput screening projects. Papers describing her work were published in *Methods in Enzymology* and in the *Journal of Steroid Biochemistry and Molecular Biology*. She presented her screening data at the Society of

Toxicology meeting and the NCI intramural retreat.

### Outstanding Achievement Award: Doctoral/ Postdoctoral



**Dr. Kathrin Muegge**  
*Laboratory of Cancer Prevention, Center for Cancer Research*

Having been the first to clone Lsh in 1996, Dr. Kathrin Muegge and her team went on to demonstrate that Lsh controls DNA methylation and histone modification, regulates de novo methylation, and is critical to germ-line specific epigenetic regulation and in maintaining genomic stability. Dr. Muegge's group has demonstrated that DNA methylation and histone modifications are not only aberrantly connected in cancer cells but are also part of an ordinary physiologic pathway involving Lsh. Lsh may play a role in the aberrant recruitment of DNA methyltransferases to tumor suppressor genes in cancer cells or may contribute to oncogenesis through regulation of Hox gene expression. These implications shed new light on epigenetic mechanisms that contribute to tumorigenesis. These outstanding achievements were published between 1996 and 2007 in several high-level journals, including *Genes and Development*, *EMBO Journal*, *Proceedings of the National Academy of Sciences USA*, and *Nature Cell Biology*.

### Outstanding Achievement Award: Doctoral/ Postdoctoral



**Dr. Xin Chen**  
*Laboratory of Molecular Immunoregulation, Center for Cancer Research*

Dr. Xin Chen's work reveals the immunological mechanisms responsible for the activities of natural products. Over the past three years, he has begun to characterize natural regulatory T cells (Tregs) that inhibit the proliferation of effector T cells by cell contact. Furthermore, he has shown that these stimulants have the opposite effects on interleukin 17 production in the TH17 pathway. His findings are identifying potential anticancer therapeutics that suppress Tregs, and conversely, other therapeutics that, by stimulating Tregs, are useful in treating autoimmune diseases. His efforts have resulted in four first-authored and two co-authored papers within the last year in peer-reviewed journals such as the *Journal of Immunology*, *Cellular Molecular Immunology*, *Blood*, and the *European Journal of Immunology*. His work has been highlighted in five oral presentations, three at international meetings. "Dr. Chen is a dedicated, hard-working, imaginative, resourceful, effective, and independent scientist NCI," his nominators noted.

**Awards Winners** *(continued from page 9)***Outstanding Achievement Award: Administrative (Team)**

**Bill Brady, Tim Brown, Phil Cully, Bryan May, Mike McMahon, Lisa Price, Joe Reese, Ed Sandy, Carroll Stauffer, and Rich Tucker**

***Vaccine Pilot Plant Facility Maintenance Group, Vaccine Clinical Materials Program***

The Facilities Maintenance Group at the VPP is always attentive to ongoing and changing needs within the facility, responding quickly to resolve problems, provide informative updates, and provide support and advice in anticipating and resolving future issues. If a laboratory must be modified, they perform the work after hours and within a short turnaround time. If there are power glitches or utility issues, they are quick to notify any impacted group through e-mail, postings around the facility, announcements, and even direct one-on-one contact. They are genuinely concerned with making things work smoothly and safely for the laboratory and production areas and helping to find logical resolutions when issues arise.

**Outstanding Achievement Award: Technical (Team)**

**Laura Coffin, Talisa Creavalle, Danielle Fink, Karen Lau, and Debra Long Priel**

***Neutrophil Monitoring Laboratory, Clinical Services Program, Applied/Developmental Directorate***

The NML team routinely tests blood samples from the NIH, local institutions, and institutions as far away as Australia, for chronic granulomatous disease (CGD), a rare genetic disorder affecting 1 in 250,000 people. NML has made important contributions in determining the mechanism of IFN- $\gamma$  on H<sub>2</sub>O<sub>2</sub> production in monocytes in vitro, demonstrating that the responsiveness of CGD monocytes to IFN- $\gamma$  depends on the specific mutation associated with the individual patient. Additionally, NML developed an enhanced chemiluminescence Western blot assay to detect low levels of NADPH oxidase components in the neutrophils and monocytes of patients with CGD. These studies have yielded new insight into the complexity of this rare genetic disease, have opened new avenues for investigation, and have provided new insights into the mechanism of action of IFN- $\gamma$  therapy in the treatment of CGD patients.

**Outstanding Achievement Award: Technical (Team)**

**Tim Potter and Barry Neun**

***Nanotechnology Characterization Laboratory, Advanced Technology Directorate***

Tim Potter and Barry Neun both apply strong, independent, analytical thinking and problem-solving skills to their outstanding technical support of the biological characterization of nanoparticles, often working overtime to provide scientists with the required cells and to assist with data analysis. NCL work requires a depth of knowledge of protein and DNA chemistry, immunology, cell biology, and an in-depth understanding of regulatory standards and good laboratory practices. Mr. Potter and Mr. Neun are knowledgeable, enthusiastic, and hardworking, dedicated technicians; their results are always consistent and of very high quality. The positive impact of their efforts on the overall quality of data the NCL generates to translate basic nanotechnology concepts to the clinic would be hard to overestimate, their nominators said.

## Outstanding Achievement Award: Doctoral/ Postdoctoral Team



**Deb Chatterjee, Dom Esposito, Bill Gillette, Jim Hartley, Ralph Hopkins, and Troy Taylor**

### *Protein Expression Group, Protein Expression Laboratory, Advanced Technology Directorate*

The Protein Expression Group makes proteins to order in many different expression systems and is the most innovative laboratory in the Advanced Technology Program (ATP), as evidenced by the number of patent applications and Employee Invention Reports that the group has filed, and the number of high-impact papers in high-impact journals. With numerous speaking invitations, the group is well respected nationally and internationally. A good model for an ATP lab, they are customer-oriented, consistently receive high scores both for their product and production timeliness. "To be so successful in a relatively understaffed environment is a testament to the team and the way they work. In addition, this group's work is cost-effective, making them an important contributor to cost recovery for the ATP," said their nominators.

## Special Achievement Award: Individual



**Larry Cook**

### *Laboratory Animal Sciences Program*

Larry Cook, manager of operations at NCI-Bethesda, assures smooth animal facility operations. Mr. Cook provided primary oversight for the new CRC vivarium; his knowledge, dedication, and attention to detail are the reason that SAIC-Frederick, Inc., received kudos from the NCI for this project. He organized, scheduled, and inspected the various construction phases, regularly meeting with all involved to ensure that the facility would meet the needs of NCI's investigators. Once the CRC was completed, he planned and organized the move of more than 4,000 cages of mice and equipment, logging hundreds of hours of unpaid overtime, and personally worked 14 consecutive days, with little or no interruption in experimental work. He then operated both facilities concurrently for more than five weeks with no increase in staff and decontaminated and cleaned the B2 facility for turnover to NIH, again without additional staff.

## Special Achievement Award: Individual



**Dr. Cynthia Kleppinger**

### *Clinical Monitoring Research Program, Clinical Research Directorate*

Dr. Cynthia Kleppinger provides medical leadership and regulatory oversight to the medical monitoring of domestic and international clinical trials, data and safety monitoring board

activities, and protocol development and review activities to support the Intramural Research Program, the National Institute of Allergy and Infectious Diseases (NIAID). She spearheaded two initiatives under NIAID's Protocol Review Taskforce: 1) revisions to the Scientific Review policy to standardize the establishment, membership, and responsibilities of a scientific review committee; and 2) consolidation of the regulatory reviews accompanying new protocol submission into a single, time-limited mandatory review by the Regulatory Program. Her contributions to this taskforce streamlined and improved scientific and regulatory review processes for the clinical investigators, allowing more thorough and consistent reviews more quickly, so that clinical trials started sooner and patients were treated more quickly.

## Special Achievement Award: Team



**Beth Baseler, Joy Beveridge, Frank Blanchard, Greg Davis, and Shannon Jackson**

### *Clinical Monitoring Research Program, Clinical Research Directorate; Acquisition and Logistical Services, Contracts and Administration; Advanced Technology Directorate*

The NCI Community Cancer Centers Program (NCCCP), highlighted by NCI Director Dr. John E. Niederhuber, as one of NCI's top priorities, expands the capacity and

*(continued on page 12)*

**Award Winners** *(continued from page 11)*

accessibility of prevention, treatment, and follow-up care of cancer patients throughout the United States, using a community-based centers approach. The NCCCP team spent hundreds of hours to plan, initiate, and provide comprehensive program management support to this effort, including soliciting and reviewing more than 45 applications from leading cancer centers throughout the U.S. Upon its successful completion, the program will provide world-class cancer care to thousands of individuals who currently do not have access to such care.

**Special Achievement Award: Team**

**Xiang Deng, Amy Hutchinson, Marianne Rivera-Silva, Zhaoming Wang, Robert Welch, and Meredith Yeager**

**Core Genotyping Facility, Advanced Technology Directorate**

The Core Genotyping Facility team has provided the Cancer Genetic Markers of Susceptibility Initiative (CGEMS), a three-year collaborative (NCI DCEG, CCR, OGE and extramural scientists) genome-wide association project focused on prostate and breast cancers, with technical support and expertise to create a high-throughput production line for CGEM's genome-wide association studies. Using creative problem-solving and innovative approaches, as of last June, the team had generated approximately 2.75 billion genotypes. Common variants

on human chromosome 8q24 were found to be associated with prostate cancer risk, including the identification of a new association at 8q24 with an independent effect on prostate cancer susceptibility. These findings indicate that CGEMS may provide new insights into mechanisms of carcinogenesis and point the way to novel strategies to accelerate the prevention, early detection, and treatment of cancer.

**Customer Relations Award: Administrative****Allen Kane**

**Scientific Publications, Graphics & Media, Advanced Technology Directorate**

Allen Kane, Scientific Publications, Graphics & Media (SPGM), consistently provides creative solutions to meet customers' needs for a wide range of projects and turnaround times. Mr. Kane's skill as a visual communicator is evidenced in the high quality of his work and the effectiveness of the materials he has produced—from everyday tasks, such as scientific posters, flyers, brochures, and on-screen presentations, to high-profile projects, such as *Bench to Bedside*, a booklet describing the mission of the National Cancer Institute at Frederick. He was also instrumental in completing an array of support materials for the National Cancer Institute Community Cancer Centers Program (NCCCP) and is actively involved with the Advanced Technology Partnerships Initiative (ATPI).

**Customer Relations Award: Scientific****Theresa Burks**

**Clinical Services Program, Applied Developmental Directorate**

Theresa Burks, supervisor of the Clinical Monitoring Section, serves as the customer point of contact for all clinical trials this group monitors. She manages a large volume of samples from dozens of trials and communicates daily with the nurses, physicians, and clinical coordinators to provide them with whatever information they may need. She makes sure every specimen is handled correctly, often staying late or coming in on her day off to accommodate special requests. Her habits of maintaining individual databases for investigators to provide them with customized information, treating every customer with respect and personalized service, and being prompt and courteous, all earn her high praise from customers. 🌟

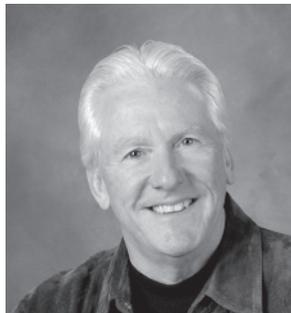
**Hot off the Press!**

The 2007 edition of *Bench to Bedside* is now available both in hard copy and on-line. The publication offers an overview of NCI-Frederick, with its focus on translating results of laboratory research into new treatments for cancer and AIDS. The report covers basic, translational, preclinical, and clinical research. The new edition highlights work from the Core Genotyping Facility, Small Animal Imaging Facility, and the Developmental Therapeutics Program. Also featured are the NCI Community Cancer Centers Program and SAIC-Frederick, Inc.'s support of the Frederick Innovative Technology Center. 🌟

## 35 Years = 175 Years of Service

By Maritta Perry Grau

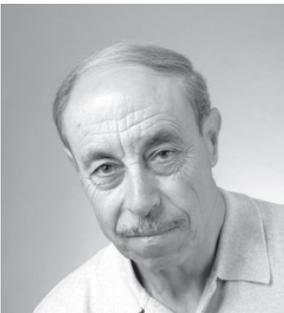
*Editor's note: For the first time, we have five employees who've reached the 35-year benchmark in their years of service to NCI-Frederick. Together, Butch Hopkins, Bob Imming, Haleem Issaq, Dexter Makel, and Jim Swisher have put in 175 years.*



Ralph F. Hopkins



Robert J. Imming



Haleem J. Issaq



Dexter N. Makel



James R. Swisher

### 1. Other than the use of computers, how has your job changed/evolved since you started here in 1972?

**Ralph “Butch” Hopkins**, Scientist II, Eukaryotic Expression Group, Protein Expression Laboratory, Advanced Technology Program (ATP): Among the significant advances in science and technology during the past 35 years, the technologies used to study the science are just as important because they allow us to perform experiments faster and smarter. Today's technologies can provide more accurate data at a fraction of the time, and this allows us to spend more time analyzing and planning the next round of experiments.

**Haleem Issaq**, Ph.D., Principal Scientist and Deputy Director, Laboratory of Proteomics and Analytical Technologies, ATP: When we started, we had to pay \$300 and wait six months to get an HP calculator which sells now for \$5 at K-Mart. There was no Word Perfect or MS Word; we had to write our reports by hand. Scientifically, we moved from manually analyzing one sample at a time to high-throughput analysis. Automation and new technologies were introduced for high-speed analysis; for example, thin layer chromatography (a relatively slow separation technique) was replaced with faster and more efficient techniques,

HPLC and capillary electrophoresis. NMR advanced from the analysis of small molecules to imaging whole bodies, and MRI became a household name. Today, single-cell analysis is a reality. Mass spectrometry also advanced to the analysis of proteins and peptides. Analytically, when I started, we were analyzing for impurities in bioassay samples; now we analyze blood and urine specimens in search of cancer biomarkers, using proteomics and metabolomics. AIDS was unknown as a killer disease.

**Dexter Makel**, Woodcraft worker, Carpentry Shop, Facilities Maintenance and Engineering (FME): Since I began working for Litton Bionetics in 1972, the nature of my job that has changed mainly is the size of the renovations. We have gone from building counter tops and doing maintenance repairs to doing complete office and laboratory renovations from the floor to the ceiling. One of the most notable changes in my work is the development of cordless tools, ranging from drills and screw guns to cordless saws.

**Jim Swisher**, Millwright, Millwright Shop, FME: In 1972, research and administration were in only a few buildings; equipment was standardized, with only a few makes and models. Now, we maintain many

more buildings and a much greater variety of equipment.

### 2. What do you consider one of your greatest (or your group's greatest) achievements?

**Hopkins**: Probably the most notable are three important NCI projects—to the Mammalian Gene Collection, the Cancer Genome Anatomy Project, and the Lymphopool Array project. Several years and hundreds of large-scale tumor cell line productions resulted in identification of more than 25,000 full-length human open reading frames by NCI collaborators around the country.

**Issaq**: We built a state-of-the-art analytical technologies group that is well recognized and respected nationally and internationally. I always strived to bring the most recent analytical technologies to NCI-Frederick in support of NCI investigators. For example, our group was one of the first to develop capillary electrophoresis with UV laser for the detection of biological samples (DNA, proteins and peptides). Also, we developed multidimensional separation methods for high-throughput analysis of complex proteins and peptide mixtures (proteomics). I organized and chaired

*(continued on page 14)*

**Service Awards** *(continued from page 13)*

for 15 years the International Frederick Capillary Electrophoresis Conference, which brought together scientists from Europe, Japan, Canada, and the USA, in the hope of introducing scientists to new capabilities. Recently, we developed an HPLC/MS metabolomic test that uses only 10 microliters of urine to detect bladder cancer.

**Makel:** My longest-standing renovation is the drafting area in Building 350, which is still in use today.

**Swisher:** A significant accomplishment of the Millwright shop has been the implementation of an emergency response “autoclave crew.” Now, personnel from the Millwright, Pipe, and Instrument shops respond to equipment breakdowns in facility barrier areas.

**3. What advice would you give to someone starting out in your field?**

**Hopkins:** Find a lab with good people that you can work well with, then have fun.

**Issaq:** In science, as well as in life, strive to be a leader, not a follower. Work hard with dedication, honesty, commitment, and respect for your fellow scientists.

**Makel:** Go to trade school and get on-the-job experience working with contractors.

**Swisher:** Become familiar with electronic controls, because in the past, equipment was manually or electro-mechanically controlled. Now, more computerized controls are used.

*Robin Shelhorse, James Stull, and Nancy Walsh marked their 30th year of service with NCI-Frederick. We asked these longtime friends to reflect on their years here by answering three questions.*

**1. Other than the use of computers, how has your job changed/evolved since you started here in 1972?**

**Julian W. Bess, Jr.,** Supervisor, Biological Products Core Laboratory, AIDS Vaccine Program: My responsibilities have evolved from primarily performing lab work to overseeing it. Doing it is much more fun.

**Larry N. Brown,** Order Filler, Warehouse: I started as a driver in the delivery section in 1977, eventually moving to forklift operator delivering Ln2 and various gases to lab areas. I went ‘inside’ in 1986 to try my hand at warehouse/office work. The change wasn’t subtle, but with the help of my co-workers, I adjusted.

**David F. Bufter,** Director, Contracts and Administration: Many more of our projects now involve multi-organizational and multi-disciplinary project teams comprised of government and contractor staff. This has resulted in the need for more mature project management capabilities and a greater emphasis on communications.

**Edward F. Cook,** Animal Caretaker II, Laboratory Animal Sciences Program: I started working in Cage wash when Litton Bionetics had the contract. When PRI got the contract, I switched over to lab work. I’ve done janitorial work and was a glassware washer and

worked in 431 with plants, including marine plants. I’m now an Animal Caretaker II.

**Lana Cross,** Program Coordinator, Clinical Monitoring Research Program: The MAJOR change—switching from an electric typewriter (without correction tape) to a computer.

**Sharon Fritz,** Access Control Coordinator, Protective Services: I began my journey here as a clerk-typist for both Medical Services and Protective Services, typing medical forms and ID cards. There were around 600 people here, mainly Litton Bionetics. Now the campus has roughly 3,000 people, and I manage the card key system for all of them. I think I’ve completed nearly 50,000 card key transactions over the course of my career here.

**Marvin R. Lescalleet,** Industrial Equipment Mechanic, Facilities Maintenance and Engineering: The equipment we maintain is more efficient, and more complicated than it was in 1977.

**E. Jane Miller,** Secretary II, Laboratory Animal Sciences Program: My job has changed considerably since 1977. I started out in Building 571 taking care of the animals doing routine cage changing and watering and all the other Animal Caretaker duties. Then I moved to a position doing clerical work in Building 539. Later I moved to the other side of Building 539, where I am still doing somewhat of the same

## Reflections on 30 Years

By Nancy Parrish

*Editor’s note: This year, Julian Bess, Larry Brown, Dave Bufter, Ed Cook, Lana Cross, Sharon Fritz, Marvin Lescalleet, Jane Miller,*



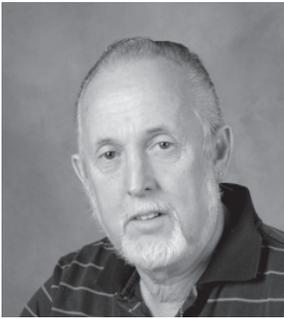
Julian W. Bess, Jr.



Larry N. Brown



David F. Bufter



Edward F. Cook



Lana L. Cross



Sharon L. Fritz



Marvin R. Lescalleet



E. Jane Miller



Robin L. Shelhorse



James D. Stull



Nancy J. Walsh

job except for changes in the way the animal inventories are done.

**Nancy J. Walsh**, Secretary III, Laboratory Animal Sciences Program: My job has changed drastically since 1977. Today's computer technology allows ready access to accurate, up-to-date animal and experimental study data by technicians, facility managers, and NIH investigators. When I started, we hand-recorded this type of information into ledgers and stored the historical data in boxes.

## 2. What do you consider one of your greatest (or your group's greatest) achievements?

**Bess:** The (now) AIDS Vaccine Program was the first laboratory in the world to produce and purify human immunodeficiency virus on large scale. This was accomplished in a time frame when the mode of transmission was less than clear. I am very fortunate to be associated with the amazing people who accomplished this critical work.

**Brown:** Learning and keeping pace with the ever-evolving changes in our

computer system has been challenging, and so far we have grown with it."

**Bufter:** One of our primary responsibilities is to be good stewards of the public funds that are spent in support of NCI-Frederick. As a result of the business processes, internal controls, and ethical management culture that exist within the OTS Contract, we have enjoyed many positive audits and reviews during the past 30 years.

**Cook:** Between 1977 and 1980 (roughly) a beer truck would come. My greatest achievement was being first in line. Of course, always after work hours.

**Cross:** My greatest achievement is hard to single out. In 1990, I coordinated all travel, lodging, and itineraries for more than 100 students and teachers enrolled in the NCI Science Enrichment Program. In 2000, I received an Outstanding Achievement Award, Administrative, for organizing tours for the Natural Products Branch and the Technology Development and Commercialization Branch. Today, I coordinate the logistics for consultants, professional service agreements, travel,

and conferences for the Clinical Monitoring Research Program, and feel that, in some small way, I am helping these researchers find a cure for cancer and AIDS.

**Fritz:** My greatest achievement has been to develop good customer service by gaining the trust of the people I serve.

**Lescalleet:** No one specific achievement stands out as greatest, but it is rewarding whenever we can alter equipment to adapt it to meet a different need than the one it was originally intended for.

**Miller:** My greatest achievement is being here for the 30 years. No one ever really thinks that they will stay at one job for 30 years, but here we are!

**Walsh:** One of my greatest achievements is my role in our facility's monthly routine sample submission program. I am responsible for ordering animals into the facility for this program and for providing pertinent information about each month's test group. I've found that providing pre-typed sample labels to our animal care and technical staff in advance helps avoid clerical errors and allows faster sampling.

## 3. What advice would you give to someone starting out in your field?

**Bess:** I'm not sure that I really have a field. If I do and it has anything to do with an AIDS vaccine, I'd recommend that they pray for good luck.

(continued on page 16)

**Service Awards** *(continued from page 15)*

**Brown:** Have an idea where you want to go before you get there. But most of all, keep your head on straight.

**Butfer:** First, always be ethical...your career will go nowhere if people cannot trust you. Second, always do more than you are asked and think about how what you are doing affects the broader context of the entire organization. And, finally, learn as much as you can about the science we support; you will be a more valuable resource to the organization, you will relate better to the customers, and you will better understand the contribution you can make to the important mission of NCI.

**Cook:** There's a lot to learn and lots of chances to move up. Take your time! 30 years went by real fast.

**Cross:** Attend training classes. Know how to multitask. Be kind to every person you come in contact with—in your job and throughout life. A kind word or gesture may just get someone through his or her day!

**Fritz:** My philosophy has always been 'honesty is the best policy,' and I believe this works well in every aspect of life, both at work and home.

**Lescalleet:** Anyone starting out in this field should take advantage of any educational classes in or corresponding to it.

**Walsh:** Observe and learn as much as you can. Think of ways to save time without jeopardizing results. Know that when technology changes, we have to change with it!

**25 Years**

Thomas A. Crone • Ralph E. Currens, Jr. • Linda C. Damuth • Robert E. Hardisty • Jennifer A. Klabansky • Marilyn P. Lyles • Brenda L. Metz • Kathleen B. Noer • Susan I. Pittinger • Gregory A. Selby • Michael H. Selby • Philippe M. Shankle • Paul W. Thomas • Gwyn D. White • Marcus C. Williams • Keith W. Zimmerman

**20 Years**

Joseph W. Adelsberger • Richard L. Angleberger • Christine A. Beard • Peter A. Boving • Judith A. Bowie • Nelson E. Buhrman • John P. Carter • Vicky J. Coalter • Fuh-Mei Duh • John H. Eaton • Kay M. Ecker • Elizabeth K. Fair • Robert B. Finneyfrock • Donna M. Follin • Sylvia C. George • James G. Harshman • Dale E. Hauver • Eric P. Higgins • Gail E. Housaman • Matthew S. Humphrey • Quentin R. Jackson • Terry L. Jennings • Carolyn S. Keilholtz • Shirley M. Keller • Mary P. Koleck • William C. Kopp • Laurie A. Lambert • Douglas W. Leggett • Betty K. Martin • Kimberly S. Martz • Bryan K. May • Connor F. McGrath



• Barry W. Neun • Teri M. Plona • Michael T. Schildtknecht • Douglas K. Schneider • Brenda J. Smale • Claudia C. Stewart • Patti L. Strong • Donna L. VanSant • Deborah K. Vessa • Sandra A. Walker • Allen L. Webb • Cheryl A. Winkler • Ruth B. Wolfe • Osborne F. Yommer, Jr.

**15 Years**

Rhonda J. Anderson • Kevin L. Baker • William H. Bohn • Suzanne D. Borgel • William E. Brady • Angela Callahan • Dana S. Carter • King C. Chan • Jack R. Collins • Rene M. DeLosh • Vijaya L. Gowda • Fred J. Guarino • Joyce D. Huddleson • Robert L. Kline II • Julie A. Laudeman • Michael J. Malasky • Vickie A. Marshall • Darlene M. Marti • Donna L. Miller • Denise L. Motok • Ruth Nussinov • Kristen M. Pike • Keith R. Shaw, Jr. •

Rebecca C. Soto • Igor Topol • Joan  
A.D. Tucker • Charles T. Tyeryar

## 10 Years

Angelica Aguilera-Gutierrez • Rhonda L.  
Akers • Jennifer A. Bangh • Elizabeth A.  
Binns-Roemer • Donald L. Blickenstaff,  
Jr. • Elizabeth E. Boeggeman •

*(continued on page 18)*



**Service Awards** *(continued from page 17)*

Frank A. Briggs • Kelly M. Dougherty  
 • Wanghua Gong • Debbie L. Green  
 • Michele K. Gula • Robert L. Hill •  
 Kenneth L. Huyser • Allen R. Kane •  
 Marlene E. King • Paul J. Klausmeyer  
 • David J. Laudeman • David W. Lee •  
 Richard A. Lempicki • Mi Li • Anatoli  
 M. Malyguine • Jennifer L. Matta  
 • Roberta M. Matthai • David R.  
 Morcock • George W. Nelson • Kevin J.  
 Plater • DaRue A. Prieto • Shizuko Sei  
 • Gregory L. Smith • Eileen A. Southon  
 • Robert M. Stephens • William C.  
 Wilton • Qiu Qin Yuan • Jianwei Zhu

**5 Years**

Camron B. Anderson • Emelia K.  
 Annum • Emiliana R. Aparicio • Juehe  
 J. Bao • Stacy L. Beachley • Michael  
 B. Beerman • Joy M. Beveridge • Josip  
 Blonder • Diane K. Briggs • Gerald  
 M. Burge • James C. Burnett  
 • Rodolfo A. Cana • Deb K.  
 Chatterjee • Jo-Ann Collazo-  
 Santiago • Betty A. Conde •  
 Douglas M. Cooper • James E.  
 Cooperman • Larry F. Cosley •  
 David A. Curtis II • Martin J.  
 Dayberry • Angela M. De Palatis •  
 John-Paul M. Denson • Matthew  
 V. DeSantis • Gayle J. DiSalvo



• Carolyn J. Eyler • Nicole D. Fer •  
 Igor V. Filippov • John B. Freymann •  
 Kathleen A. Fulmer • Shelley A. Funk  
 • Michael F. Galcik • Carl S. Garland  
 • Hoa T. Giang • William K. Gillette  
 • Yelena G. Golubeva • Michelle A.  
 Gottholm • Denise C. Gouker • Betty  
 L. Green • Mary K. Green • Darlene R.  
 Grimes • Dennis L. Grove • Kashif A.  
 Haque • Keith R. Helinsky • Richard  
 E. Hobbins • Amy A. Hutchinson •  
 Kelly S. Hutzell • Barbara J. Kending  
 • Courtney M. Kennedy • Lauren



R. Krump •  
 Douglas J. Lane  
 • Robert Lawler  
 • Jeanne K.  
 Lewis • Yuan  
 Li • Hongling  
 Liao • William  
 R. Lonergan  
 • Xing Lu •  
 Eva Majerova  
 • Patricia C.  
 Marshall •  
 Georgina L.  
 Mbisa • James L.

McClure • Gail R.  
 McMullen • Ana L.  
 Montepeque • Karen  
 L. Morris • Christen  
 H. Osburn • Retha  
 E. Parsons • Judith  
 A. • Poiley-Nelson  
 • Patricia A.  
 Price-Abbott •

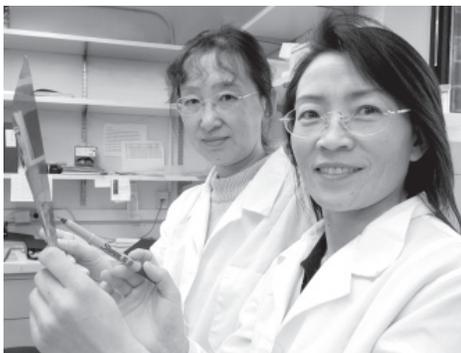
Phillip Ramsey • Sherry L. Rausch  
 • Sarangan Ravichandran • Craig  
 S. Robillard • Dallas R. Rood •  
 Christopher M. Rowe • Elizabeth A.  
 Ruck • Nirmala Saptharishi • Anne  
 C. Schmidt-Kuentzel • Charlene A.  
 Shaw • Debra A. Shiben • Hyunhee  
 O. Shin • Cathy S. Simpson • Shelly  
 M. Simpson • Kalavathy Sitaraman  
 • Sarah L. Skoczen • Angelica M.  
 Smith • Rodman B. Smith • Ferri  
 Soheilian • Loretta M. Stitley •  
 Beverly J. Studebaker • Hyung-Chan  
 Suh • Richard E. Terrill • Ernest T.  
 Thompson • Sonya A. Thompson • Jami  
 A. Troxler • Erika L. Truffer •



Natalia Volfovsky • Agneta S. Von  
 Gegerfelt • Vinay V. Vyas • Antony M.  
 Wamiru • Yanyu Wang • Kenneth R.  
 Warwick • Ming-Hui Wei • Robert A.  
 Welch • Gordon R. Whiteley • David  
 A. Wiles • Zhen Xiao • Yueqing Xie •  
 De Yang • Meredith Yeager • Gemin  
 Zheng • Ming Zhou • Heming Zhu



## SAIC-Frederick, Inc.'s Year in Review



January 2007: Lihua Wang, Ph.D., and colleagues published research on overcoming tamoxifen resistance in breast cancer treatment.



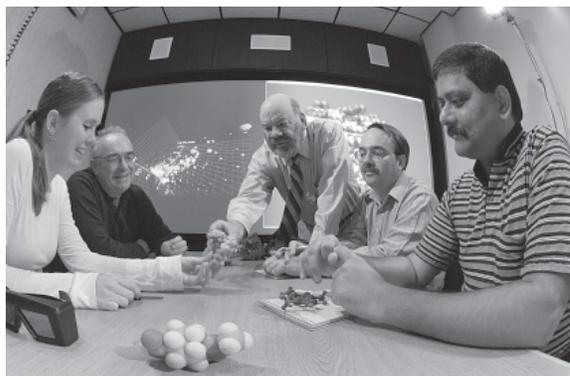
January 2007: The Vaccine Clinical Materials Program released its first GMP product.



January 2007: Barry Gause, M.D., was named director of the new Clinical Research Directorate.



April 2007: Tim Harris, Ph.D., was named director of the Advanced Technology Program.



April 2007: ABCC staff corrals lots of tools to profile genomic data, including a virtual "wall" (shown behind the staff) and 3-D models.



January 2007: Beverly Studebaker found that exercising not only helped her lose weight, but gave her more energy.



April 2007: The Biopharmaceutical Development Program released a new treatment for ovarian cancer to be used in clinical trials (vial pictured is a simulation).



July 2007: In a TYCTW Day activity, children learned how water, liquid soap, and dry ice react to one another.



July 2007: More than 300 children participated in the Take Your Child to Work Day activities designed to encourage children to consider careers in science.



July 2007: This year's Spring Research Festival was honored with the presence of NCI Director John E. Niederhuber, M.D., shown here with Vickie Marshall as she discusses her prize-winning work on conservation of virally encoded microRNAs in the Kaposi's sarcoma-associated herpesvirus.



October 2007: Supervisory-level employees are taking mini-courses to improve project management. One technique uses Post-it® notes to visually break a project into manageable units.

## New Health Club Perk for SAIC-Frederick, Inc. I'm Interested. What Do I Do?

By Lisa Simpson

Is increasing your personal fitness one of your 2008 New Year's resolutions? Are you considering joining the 2008 Fitness Challenge or increasing your goals as a current Fitness Challenge participant? SAIC-Frederick, Inc., employees now have access to a new program designed to offset membership costs for health club users who work out at least two times a week. Eligible employees are entitled to up to a \$29 monthly fee reimbursement, as well as \$25 toward a sign-up fee for a new single membership.

### Choose Your Gym

Interested SAIC-Frederick, Inc., employees are encouraged to consider

joining Fitness First Health Clubs with two convenient locations in Frederick and numerous other locations in Maryland, Virginia, and Washington, D.C., or the South Pointe Fitness Club, located near the Prime Outlets in Hagerstown. However, if you prefer to join a different club, or already belong to a gym, you still qualify for the reimbursement benefit. If you choose to join Fitness First, you must enroll at their West Patrick Street location.

Please visit the Fitness First ([www.fitnessfirst.cc/index.html](http://www.fitnessfirst.cc/index.html)) and South Pointe ([southpointefitness.com/SouthPointeFitnessClub](http://southpointefitness.com/SouthPointeFitnessClub)) web sites for location and member service details.

Taking advantage of this benefit is easy. First, read the "SAIC-Frederick, Inc. Health Club Membership Guidelines," available from Andi Gnuschke, Contracts and Administration Directorate. Ms. Gnuschke can be contacted by e-mail at [gnuschkea@mail.nih.gov](mailto:gnuschkea@mail.nih.gov) or by calling 301-846-6952. Second, join the health club of your choice. Last, complete and sign the "SAIC-Frederick, Inc., Health Club Membership Request Form" and submit to Ms. Gnuschke with a copy of the contract or agreement from your club. Your monthly allotments and one-time \$25 sign-up fee reimbursements will be added to your paycheck. Please note that the reimbursed costs will be considered taxable income. ☺

## News & Views Deadlines

Do you have information to share with or ideas to suggest for *News & Views* readers? Please send your information,

articles, or ideas to Maritta Grau, Managing Editor ([graum@ncifcrf.gov](mailto:graum@ncifcrf.gov)), by the dates shown in the box at right.

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**July issue:** May 21

**October issue:** August 21

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Facilities Maintenance and Engineering ..... Debbie Dobbe  
Laboratory Animal Sciences Program ..... Shirley Langley  
Advanced Technology Program ..... Barbara McElroy  
Vaccine Clinical Materials ..... Dallas Rood

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### Important Telephone Numbers

Ethics Hotline ..... 1-800-760-4332  
Human Resources Department ..... 301-846-1146  
Benefits Questions, HR Department ..... 301-846-1146  
SAIC Stock Programs ..... 1-800-785-7764  
or 858-826-4703  
SAIC Stock Programs Recorded Information ..... 1-888-245-0104

### Dates to Note

Martin Luther King, Jr. Day: NCI-Frederick closed ..... January 21  
President's Day: NCI-Frederick closed ..... February 18  
Scientific Writing Workshop ..... April 21, 23, 25  
Spring Research Festival ..... May 14-15  
Memorial Day: NCI-Frederick closed ..... May 26

### SAIC Stock

SAIC's common stock is listed on the New York Stock Exchange under the symbol "SAI."