

The First of Many Moving Days Arrives for ATRF Occupants

By Hoyt Matthai, Guest Writer, and Nancy Parrish, Staff Writer

June 18 was moving day—the first of many moving days. The relocation to the Advanced Technology Research Facility (ATRF), the new, 330,000-square-foot research facility in Riverside Research Park, has finally begun. Occupants of E wing (the administrative wing) were the first to move in a relocation process that will continue off and on over the next seven months.

Nanotechnology Characterization and the Electron Microscopy laboratories are scheduled to relocate to D wing in mid-July, followed by the Biopharmaceutical Development Program laboratories and offices, which are moving to A and B wings in late July and early August.

The second phase of the relocation will begin in the fall, with the Sequencing Facility, currently located at the Advanced Technology Center in Gaithersburg, Md., moving to D wing in October. The Center



The Advanced Technology Research Facility of the Frederick National Laboratory for Cancer Research opened for business on June 18, 2012, when the first occupants moved to the administration wing (glassed-in area above).

Phased Move

By the time this newsletter is published, the first phase of the relocation will be well under way. E wing will be occupied with personnel from the Office of the Director; Frederick National Laboratory Technology Transfer Center; SAIC-Frederick Intellectual Property Office; the Scientific Library; the Data Center; Data Management Services; administrative offices of the Advanced Technology Program (ATP); and the Frederick National Laboratory Biological Resources Branch.

The ATP laboratories should be settling in to C wing by publication date. The Laboratory of Molecular Technology, Protein Expression Laboratory, Laboratory of Proteomics and Analytical Technologies, Protein Chemistry Laboratory, and Antibody Characterization Laboratory should be in place by early July. The

for Cancer Research Molecular Targets Laboratory is scheduled for the final move of the relocation, in January 2013 (see more photos on page 3). ❖

Hoyt Matthai is director of operations, Advanced Technology Research Facility.



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My Perspective

I've just had my first-year anniversary at SAIC-Frederick. With all that's happened, it's hard for me to believe it's only been a year, but it seems appropriate to reflect on what went well and what challenges are still unresolved after this time.

Communicating with Customers

Science is at the very core of what we are about, and as I've frequently noted, I am continuously impressed by the quality



Dave Heimbrook, Ph.D.

and quantity of the science that we accomplish, and by the passion of the scientists in our laboratories. Our focus on science is also reflected in the very high award fee scores we see in most technical categories.

Areas that have consistently been more of a challenge often relate to communication with our customers. We work no less diligently in this area, but the interface can be challenging at times. In an organization as large as ours, and dealing with the many different customers representing the government, this is always going to be a journey, with bumps and turns along the way. Nonetheless, we've made quite a bit of progress on this goal. We initiated management training on personal accountability, starting at the top. We've put a lot of ancient history behind us, and our efforts have been reciprocated by many on the government side making a conscious effort to be more proactive in communicating needs and opportunities. While this enhanced communication has been reflected in improved corporate leadership award fee scores, it is an effort we must continue because we still have a ways to go. There is still too much "grit in the machinery," and what could be small issues or inconsistencies sometimes flare into something bigger. Our metric for this goal is to maintain the award fee scores at

greater than 90 percent throughout the year, and a continued focus on personal accountability and communication with our government colleagues is the best way to make this happen.

Accelerating Partnership Efforts

Another big goal was to accelerate our partnering efforts. With the opening of the Advanced Technology Research Facility (ATRF) (see articles on pages 1, 3, and 4) and the (hopefully) imminent approval of contract modifications to enable SAIC-Frederick to directly enter into partnering agreements with outside researchers and companies, the impact of the science we do can be greatly magnified for the benefit of people living with cancer and AIDS. We've seen great progress in this area. NCI changed our name to Frederick National Laboratory for Cancer Research, a powerful step in conveying to the world our role as a national resource in the fight against cancer and AIDS. Strong efforts by both SAIC-Frederick and NCI scientists have identified a number of potential collaborators, some of which may send or fund scientists to work at Frederick National Laboratory. Our newly named Partnership Development Office is working diligently to close these deals. Our goal is to have at least one such partnering deal implemented by the end of the year.

Enhancing Internal Communication

A third area to focus on is operational excellence, which includes enhancing internal communication and "de-siloing" our organization. These two efforts are closely intertwined, and I have to say, results have been somewhat mixed, for which I take significant responsibility. Externally facing communication has been prominent, as we present our message to the community and our partners regarding the opportunities to work with us at Frederick National Laboratory. However, internal communication with our own employees has been a little less consistent.

On the positive side, I've expanded my leadership team to include a broader range of contributors, rather than just the Key Staff. Similarly, our efforts

to communicate the renewed focus of maintaining the highest possible ethical standards have been widespread and consistent. However, we still don't have an effective website specifically for SAIC-Frederick employees that provides access to all the information you need. We don't have one person who is really accountable for developing and implementing our internal communication strategy. More personally, too much time has passed between my town hall meetings, and I struggle at times to break out of Building 428. So, this is an area on which the leadership team will focus, and we will need your active participation. If you have any specific ideas, concerns, or opportunities, please let me know at TalkToDave@mail.nih.gov.

Outside of SAIC-Frederick, my family has settled well into Maryland. My daughter just completed her freshman year of high school and has made enough new friends to anticipate a good summer break. Similarly, we are finally very close to moving into a house after spending the last year living in an apartment (I really missed my motorcycle and outdoor grill).

So, my thanks to all of you in helping me get started here at SAIC-Frederick. I truly enjoy working with you and could not imagine a more important professional goal than the one we are all engaged in: to expand the impact of the work we do at Frederick National Laboratory for the benefit of people living with cancer and AIDS. ❖

A handwritten signature in black ink that reads "Dave Heimbrook". The signature is fluid and cursive.

Dave Heimbrook, Ph.D.
Chief Executive Officer of the Operations and
Technical Support Contract,
SAIC-Frederick, Inc

Moving to the Advanced Technology Research Facility



Dwight Nissley, acting director, Advanced Technology Program, and Rennay Dewberry, administrative assistant, pack up Nissley's office in preparation for the move to the ATRF. "It's a bittersweet feeling," Dewberry says. "I'm excited about the new place, but feel very sad to be leaving the people I have worked with for so long. But we'll be making new friends."



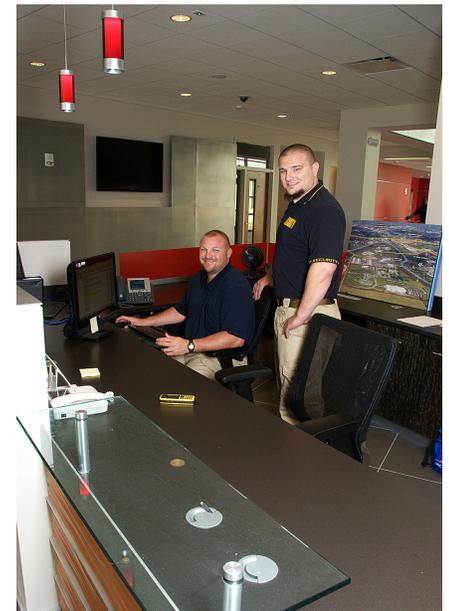
Courtney Silverthorn, intellectual property specialist, SAIC-Frederick Intellectual Property Office, in her new space at the ATRF. One of the first occupants of the facility, Silverthorn notes, "It's very quiet." That atmosphere is likely to change over the summer as more staff relocate.



Hoyt Matthai, director of operations, starts to unpack his new office. Matthai, who has been involved with the infrastructure of the facility since his arrival at SAIC-Frederick more than four years ago, says he is glad that the move has finally begun.



Trent McKee (left), network LAN specialist, Advanced Biomedical Computing Center, works with Nate Aliberto, telecommunications subcontractor, to set up the phone lines as employees move in. The ATRF has a voice over Internet protocol communications system, which supports voice and multimedia requirements.



Chris Ohler (left) and Mike Murphy, both Protective Services officers, are stationed at the front desk, inside the visitors' entrance. Visitors are required to sign in and get a visitor's badge; employees will need their card keys (PIV cards) to enter through designated employee entrances.

Research Contracts Group Tours New Facility

By Nancy Parrish, Staff Writer

Bonnie Beard (left) and Rue Bowen were all smiles during their recent tour of the Advanced Technology Research Facility (ATRF). Beard and Bowen, both subcontracts specialists in the Research Subcontracts Office, were two of approximately 70 people from the contracts area who were given a firsthand look at the new location of many of the customers they support. "We were all impressed with the entire building and the efforts of everyone involved to construct the facility," Bowen said. "The views from the front windows were spectacular. We all wished the Research Subcontracts group was slated to move to space in the ATRF building."

The Research Subcontracts Office will relocate from Thomas Johnson Drive to the Fort Detrick campus during the summer. ❖



Photo courtesy of Gary Krauss

Atsuo Kuki Joins SAIC-Frederick as Chief Technology Officer

From Staff Reports

Atsuo Kuki, Ph.D., has joined SAIC-Frederick as the new chief technology officer and head of the Advanced Technology Program.

Kuki earned his bachelor's degree in chemistry at Yale University and his Ph.D. in physical and biophysical chemistry at Stanford University. He completed his postdoctoral studies at the University of Illinois before joining the faculty of Cornell University to work in biophysics.

In 1995, he became co-leader of drug discovery efforts at Alanex, a privately held biotech company. Alanex was subsequently acquired by Agouron, and then Pfizer.

While working at Pfizer, Kuki held positions of increasing responsibility, culminating in his role as executive director of discovery technology. He was also a member of the global oncology core leadership team.

Most recently, Kuki worked for a biotech firm exploring nanotechnology approaches for cancer diagnosis. ❖



Atsuo Kuki, Ph.D.

ATRF Ribbon-Cutting Ceremony Coincides with Chamber of Commerce Centennial Gala

By Frank Blanchard, Staff Writer

SAIC-Frederick Chief Executive Officer (CEO) Dave Heimbrook, Ph.D., and representatives of the Frederick County Chamber of Commerce performed a symbolic ribbon cutting for the National Cancer Institute's Advanced Technology Research Facility (ATRF) on May 21.

The ribbon cutting was held as part of the chamber of commerce's centennial gala as the first chartered chamber of commerce in the United States. About 700 chamber members and their guests attended the event, held in the atrium of the 330,000-square-foot research and development facility at Riverside Research Park.

"This building is designed to facilitate collaboration, but it's also important to understand the importance of the work that will go on here," Heimbrook said in his opening remarks.

"Within a few short months, these hallways will be filled with scientists from NCI, SAIC-Frederick, and our partners, doing research and development work to further NCI's mission to provide new hope to patients afflicted with cancer and AIDS."

A major focus will be on developing genomics, proteomics, and bioinformatics technologies to profile tumors at the molecular level. This would pave the way for doctors to "provide the right drug, to the right patient, at the right time," Heimbrook said.

The ceremonial ribbon was cut by U.S. Rep. Roscoe Bartlett, SAIC CEO John Jumper, and NCI Deputy Director for Management John Czajkowski.

In June, laboratories and offices associated with the Biopharmaceutical Development Program, Advanced Technology Program, and others began their move from the main campus to the ATRF. Their move is expected to be completed by the end of the summer. ❖



SAIC-Frederick CEO Dave Heimbrook addresses the crowd at the May 21 ribbon-cutting ceremony at the Advanced Technology Research Facility.

BDP Supports First-in-Human Clinical Trials

By Vinay Vyas, Guest Writer, and Nancy Parrish, Staff Writer

Cancer immunotherapy is a type of treatment in which the body's own immune system is used to attack and kill cancer cells or keep them from spreading. To date, the immunotherapy agent interleukin-2 (IL-2) has been approved by the U.S. Food and Drug Administration for treating certain types of melanoma and kidney cancer.¹

IL-2 therapy, however, carries a high degree of risk because large doses of IL-2 are required to maintain effectiveness. Such high dosages may result in serious, even life-threatening, side effects. Researchers, therefore, have been searching for alternative immunotherapeutic agents that will be equally effective and safer.¹

Interleukin-15 (IL-15) is one such agent that is under study at the National Institutes of Health (NIH) and elsewhere. IL-15 has longer-lasting effects than IL-2, so it may be administered in smaller dosages. Moreover, IL-15 stimulates the production of "memory" immune cells, which can recognize and continue attacking cancer cells.¹

BDP Produces Clinical-Grade rhIL-15

The Biopharmaceutical Development Program (BDP) has produced several grams of clinical-grade recombinant human interleukin 15 (rhIL-15) for various clinical indications. rhIL-15 is a T-cell growth factor that is proposed to have clinical applications that are similar to, but potentially safer than, IL-2.

BDP scientists developed an efficient and scalable manufacturing process utilizing the latest process analytical techniques and bioprocess strategies to ensure a very high product quality and yield.

BDP's rhIL-15 is currently supporting three investigational studies for cancer therapy. The inaugural study, sponsored by Thomas Waldmann, M.D., at the National Cancer Institute (NCI) Center for Cancer Research, has been accruing melanoma and renal cancer subjects for the past year and is progressing as scheduled. The purpose of this

first-in-human study is to determine whether rhIL-15 is a safe and effective treatment for these two cancers, and to study how rhIL-15 is processed in the human body after each dosage, as well as how it affects the cancer being treated.²

Two additional studies were recently initiated. One, sponsored by Steven Rosenberg, M.D., at NIH, involves rhIL-15 stimulation of tumor-attacking immune cells (lymphocytes) that are transferred to subjects following chemotherapy for metastatic melanoma. The other study, sponsored by Jeffery Miller, M.D., at the University of Minnesota, uses rhIL-15 to stimulate a specific kind of immune cells, known

as natural killer cells, in stem cell transplantation in leukemia patients.

Soon, the Cancer Immunotherapy Trials Network will initiate a multi-site study involving subcutaneous (below the skin) rhIL-15 administration in cancer patients. All of these studies will examine different ways to safely

administer rhIL-15 and achieve a therapeutic response. Specific information on these clinical trials can be found at <http://www.clinicaltrials.gov>.

BDP is producing rhIL-15 for NCI at Frederick National Laboratory for Cancer Research. Information on the availability of rhIL-15 for research may be obtained from Jason Yovandich, Ph.D., program director, Biological Resources Branch, NCI. ❖

Sources:

1. <http://www.cancer.gov/ncicancerbulletin/012412/page8>
2. <http://www.cancer.gov/clinicaltrials/search/view?cdrid=660587&version=healthprofessional>

Vinay Vyas, Ph.D., is a development scientist III in the Biopharmaceutical Development Program.



From left, Darren Benedick and Mark Slatcoff set up the 80-L bioreactor for rhIL-15 production.



From left, Tracy Butler and Greg Heberlein work on the large-scale purification of rhIL-15. Behind them is the AKTA Pilot, the chromatography system used to perform the purification. Photos courtesy of Vinay Vyas.

Managing Mountains of Data: DAVID Can Help

By Debra Long Priel, Contributing Writer

High-throughput technology provides vast amounts of data in real time. For example, a typical high-throughput assay generates 10 gigabytes (GBs) of data (that's 10,000,000,000, or 10 billion bytes, or units of data). Sounds great, but how do you manage the unwieldiness and special challenges of all of the data generated?

The solution is DAVID (Database for Annotation, Visualization, and Integrated Discovery).

DAVID is a well-known gene annotation bioinformatics tool that was developed in 2003 through the collaboration of bioinformatics experts and scientists in the Laboratory of Immunopathogenesis and Bioinformatics (LIB), headed by Richard Lempicki, Ph.D.

One of the largest databases available for data mining of functional genomic annotation, DAVID bioinformatics resources consist of an integrated, biological knowledgebase and analytic tools aimed at systematically extracting biological meaning from large gene/protein lists derived from high-throughput genomic experiments.

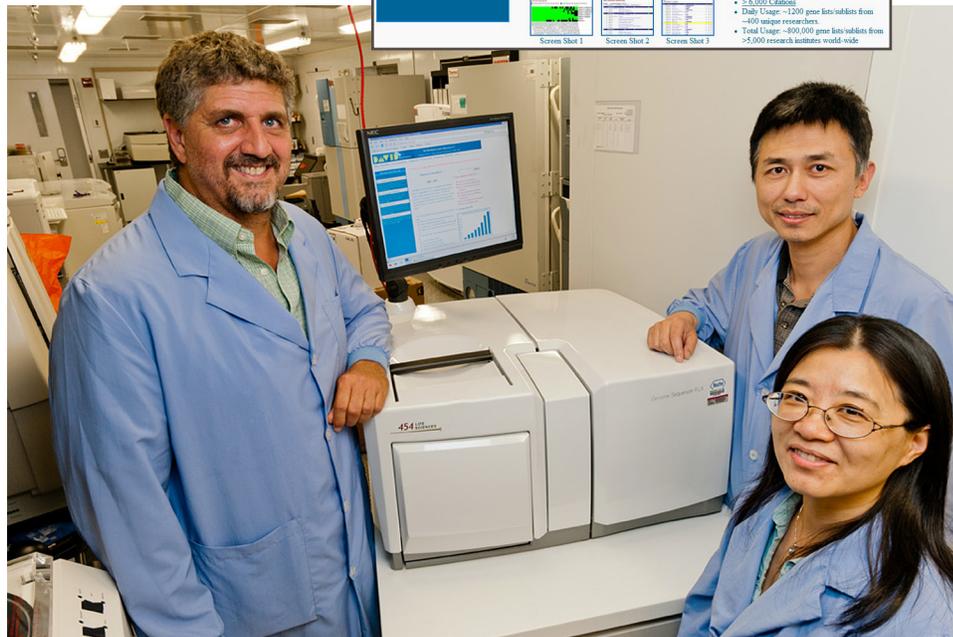
With DAVID, investigators are able to gain an in-depth understanding of the biological themes in lists of genes that are enriched in genome-scale studies.

Continuous Updates, Worldwide Use

Currently in its sixth version, DAVID is consistently and continuously updated to improve its capabilities. Recent updates include the addition of dozens of gene annotation databases and enhanced computational speed that is many times greater than that of a commercial database product.

This unique, object-oriented database maintains tens of GBs of gene-associated data from over 50,000 species, enabling as many as 1,000 investigators a day to organize their genes for further analysis.

The DAVID bioinformatics software package is widely accepted and used by scientists all over the world. Since it was first released, DAVID-related publications have been cited more than 10,000 times in scientific publications (<http://scholar.google.com/citations?user=dMn7gzYAAAAJ>) and



The Laboratory of Immunopathogenesis and Bioinformatics represents a unique partnership between laboratory and bioinformatics specialists. Pictured are Richard Lempicki (left), Da Wei Huang, and Jun Yang (seated), next to a 454 Sequencer FLX, which generates data that are processed through DAVID. The output reveals critical information about individual gene sequences and may offer new insight for improving human health at the personal level. On the monitor screen is the DAVID homepage (see inset).

have aided in dozens of publications from LIB.

LIB Combines Laboratory Expertise with Bioinformatics Analysis

LIB performs a variety of high-throughput assays for the National Institute of Allergy and Infectious Diseases, National Institutes of Health, such as microarray and deep sequencing analyses, including gene expression; exon splicing; genome-wide association studies; miRNA expression; HIV/HCV drug-resistant identification; and influenza virus classification.

With the expertise of laboratory technologists, managed by Jun Yang, and bioinformatics analysts, managed by Da Wei Huang, LIB provides the software

and workflow validation that are critical to analyzing the data from high-throughput assays. The bioinformatics group validates software and builds workflow according to the uniqueness of data sets, which, in turn, can be rapidly corroborated in the laboratory.

This iterative cycle of high-throughput data generation in the laboratory, bioinformatics analysis, and laboratory confirmation provides researchers with the unique advantage of continuous fine-tuning of bioinformatics tools and laboratory methods.

For more information, you may visit the DAVID website (<http://david.niaid.nih.gov>) or contact Richard Lempicki at rlempicki@mail.nih.gov. ❖

Nagashima Recognized as Outstanding Technologist by Microscopy Society of America

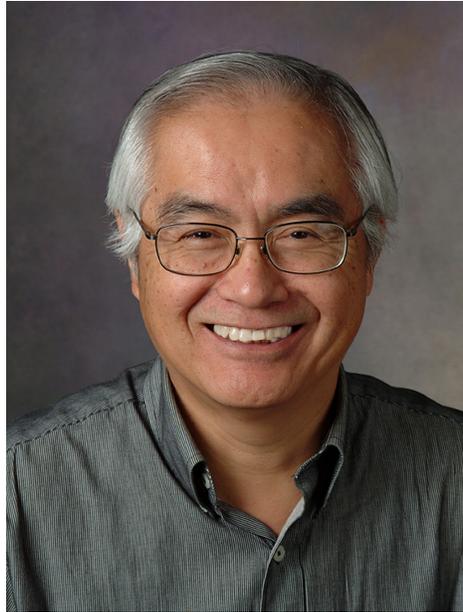
By Ashley DeVine, Staff Writer

Thirty-eight-year electron microscopy veteran Kunio Nagashima was awarded the 2011 Outstanding Technologist – Biological Sciences Award from the Microscopy Society of America (MSA), the world's largest professional association of microscopists.

"I was very surprised," said Nagashima, a scientist in the Electron Microscopy Laboratory (EML), Advanced Technology Program.

He was nominated by his supervisor, Ulrich Baxa, Ph.D., head of EML. "I think that Kunio very much deserves to be recognized for his long and dedicated career supporting the research at NCI and, in particular, the virologist groups," Baxa said.

Baxa's nomination cited some of the techniques that Nagashima has developed, including in situ processing/embedding of cell cultures examined for the electron and immuno-electron microscopes, and a custom-designed way to ultracentrifuge small amounts



Kunio Nagashima was named Outstanding Technologist for significant contributions to the fields of microscopy and microanalysis.

of viruses into an embedding mold for further fixation and embedding. Developing the in situ embedding was important in studying virus budding and cell-to-cell virus transmission.

"Kunio succeeded in keeping the Electron Microscopy Laboratory at the cutting edge and at such a high quality due to his strong commitment to the lab that goes far beyond his normal job expectation," Baxa wrote in the nomination. "He is famous for being successful with difficult samples (e.g., *Drosophila* eyes) for which ... infiltration with resin can be problematic and orientation of the tissue is critical. At the same time, Kunio keeps turnaround times reasonably short so researchers can get their results quickly and move forward with their research."

The Outstanding Technologist Awards are given for "... significant contributions such as the development of new techniques which have contributed to the advancement of microscopy and microanalysis," according to the MSA website (<http://www.microscopy.org/awards/past.cfm>). ❖

Four Win Corporate STFC Awards

By Maritta Perry Grau, Staff Writer

Four SAIC-Frederick employees have been recognized among winners of the annual SAIC Corporate Technical Fellows Council (STFC) publication awards.

Eckart Bindewald, Ph.D., Center for Cancer Research Nanobiology Program, and Marion Bona, Ph.D., HIV Drug Resistance Program, won in the Physical Sciences category for their article, "Correlating SHAPE Signatures with Three-dimensional RNA Structures," published in *RNA* (17:1688–1696, Cold Spring Laboratory Press, 2011). In selecting Bindewald and Bona's article, the council commented that their paper was a "well-written paper documenting a new approach to interpreting SHAPE data, which will lead to a better understanding of RNA structure."

Yanling Liu, Ph.D., and Jack Collins, Ph.D., both of the Advanced Biomedical Computing Center, won in the Computer and Information Sciences category for their article, "Quick2Insight: A User-friendly Framework for Interactive Rendering of Biological Image Volumes," published in the *Proceedings of the IEEE Symposium on Biological Data Visualization* (2011). The council noted that Liu and Collins' paper "demonstrates SAIC's use of domain understanding of a problem (need for visualization of large numbers of biological datasets) and an innovative technical approach (automatic image segmentation) to develop an effective solution."

Both Bindewald and Collins have won STFC awards twice.

The Best of SAIC Publications

According to an e-mail sent by Jay Ratafia-Brown, chair of the SAIC Technical Fellows Council, these articles

"represent the very best of SAIC technical publications for the past year."

Bindewald noted that he was very surprised when he received notice that their paper had won an award. "I had no idea the paper had even been submitted," he said. "To this day, I don't know who submitted our paper."

Liu said he was "quite excited" when he received notice about the award. He plans to make good use of his award.

In April, STFC held a publications awards ceremony attended by SAIC CEO John Jumper. Winners received a publications award booklet with summaries of all the winners' papers and they presented briefly during the celebratory dinner.

"We were each given five minutes in which to speak and present four slides about our work," Bindewald said. "It was hard to put our research into that format and time, but I managed to keep to the time limit." ❖

Blonder and Ye Win Technology Development Poster Award at CCR/DCEG Retreat

By Kathy Miller, Contributing Writer, and Nadya Tarasova, Guest Writer

Josip Blonder, M.D., and Xiaoying Ye, Ph.D., were selected co-winners of the best poster presentation in the Technology Development category at the eighth annual Center for Cancer Research (CCR) and Division of Cancer Epidemiology and Genetics (DCEG) Staff Scientist and Staff Clinician Retreat held April 17.

with Crystal Mackall, M.D., of CCR's Pediatric Oncology Branch.

Since cancer biologists agree that this cancer represents a prototype of systems disease, developing methods that allow integrated analysis of solid tumors using systems biology tools is urgently needed.

The initial results of Blonder and Mackall's study indicated that researchers can use LC-MS to capture the Ewing's sarcoma phenotype exemplified in unambiguous identification of the

T47D), a label-free quantitative method developed for capturing the differences in protein regulation between treated 0, 3, 10, and 30 μM genistein.

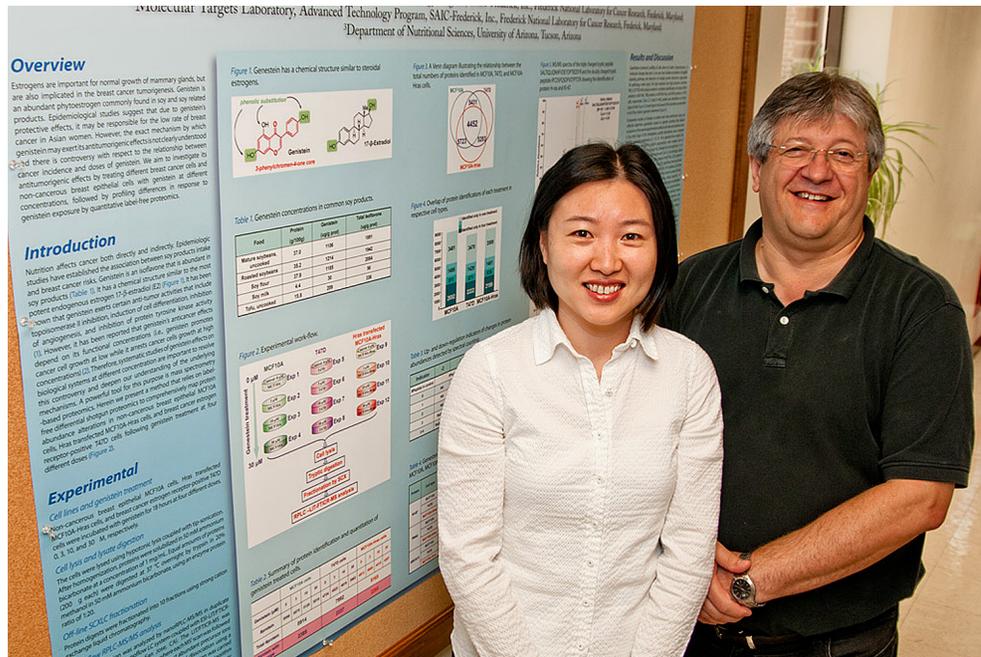
Through LC-MS analysis, Ye and colleagues identified 8,914 proteins in MCF10A, 7,992 proteins in MCF10A-Hras, and 8,165 proteins in T47D cells. Significant semi-synchronous changes in relative abundance were found for 544 proteins in all cell types. Ingenuity pathway analysis showed that protein species showing significant changes in response to genistein treatment were closely related to the cell cycle regulation. It was exemplified in the dose-dependent down-regulation of Ki-67, which was revealed using LC-MS and cross-validated using Western blotting.

The down-regulation of this cell proliferation marker indicates the G1-phase arrest of MCF10A-Hras cells in response to genistein treatment. A concurrent cell cycle analysis using the same dosing schedule showed that the genistein treatment induced G1-phase arrest in MCF10A-Hras cells, which agreed with proteomics results.

This was the first year that SAIC-Frederick scientists were invited to join the retreat; the goal was to improve communications and facilitate collaborations between the groups. SAIC-Frederick also sponsored two of the poster awards. In all, 84 poster abstracts were submitted.

The retreat continues to bring together staff scientists, staff clinicians, and SAIC-Frederick scientists, providing an opportunity for them to attend and share their advances in research, to find collaborators, and to discuss and learn about science management issues and career development. ❖

Nadya Tarasova, Ph.D., is head of the Synthetic Biologics and Drug Discovery Facility, Cancer and Inflammation Program, CCR.



From left, Xiaoying Ye and Josip Blonder stand beside Ye's poster, which is on display in the hallway of Building 469.

Both scientists, who work in the Clinical Proteomics Group, Laboratory of Proteomics and Analytical Technologies (LPAT), Advanced Technology Program (ATP), also received a \$1,500 travel award to attend a scientific meeting of their choice.

Technology for Molecular Profiling/Phenotyping

Blonder's poster, "Profiling Ewing's Sarcoma Molecular Phenotype Using Concurrent LC-MS Profiling of Tissue, Blood and a Corresponding Cell Line: A Method Development," describes technology that LPAT developed to molecularly profile and phenotype Ewing's sarcoma, in collaboration

EWS/FLI-1 fusion protein and CD99, both known gene products involved in Ewing's sarcoma tumorigenesis. Also, subtractive meta-analysis allowed for discrimination between the *stroma* and the *parenchyma* of Ewing's sarcoma under study. The pathway meta-analysis revealed IGF and mTOR signaling activation in the tumor proper.

A Label-Free Method for Capturing Differences in Protein Regulation with Genistein

Ye's poster, "A Method Development for Comparative Proteomic Profiling of Human Breast Cell Lines Exposed to the Phytoestrogen Genistein," presented the proteomic analysis of breast cell lines (MCF10A, MCF10A-Hras, and

SAIC-Frederick Now 10-Time Recipient of Workplace Excellence Award

By Ashley DeVine, Staff Writer

SAIC-Frederick has been recognized for the tenth time with the Workplace Excellence Award and for the second time with the Health and Wellness Trailblazer Award, both from the Alliance for Workplace Excellence (AWE).

The Workplace Excellence Award goes to companies that “show an outstanding commitment to overall workplace quality,” according to the AWE website, <http://www.excellentworkplace.org>.

Companies are evaluated on corporate culture and management practices; family- and employee-friendly policies and programs; health and wellness programs; growth and learning opportunities; diversity practices; safety and security; flexible work environment; and a commitment to corporate, social, and civic responsibilities.

“The criteria established for selection continues to be the focus of SAIC-Frederick with regards to our employees. We are continually looking for opportunities to improve our existing programs and quickly implement them,” said Retha Parsons, supervisor, Compensation and Human Resources (HR) Information System, HR Directorate.

Health and Wellness Trailblazer Award recipients “demonstrate an outstanding commitment to employee health and wellness—and have led the way by developing innovative programs,” according to AWE’s website.

All award applicants were assessed by an independent review panel of professors, Ph.D. professionals, and doctoral candidates in business, industrial, and organizational psychology, and human resources, according to an AWE press release.

Some of SAIC-Frederick’s wellness programs include:

- Health-risk assessments offered through health insurance vendors;
- On-site health fairs;
- Support and recognition for physical activity and healthy eating programs through the Fitness Challenge;
- Reimbursement for membership at fitness facilities;



A delegation of SAIC-Frederick employees attended AWE’s annual workplace excellence awards ceremony on June 11. Standing, from left, are Halee Helmer, Cheryl Weston, Irene Newman, and Geoffrey Seidel. Seated, from left, are Jennifer Imes, Deborah Schuchardt, Margaret Slaughter, Retha Parsons, and Lamin Juwara.

- Healthy options at the Discovery Café;
- Employee access to nurses, coaches, and other professionals through health insurance vendors and the Employee Assistance Program; and
- Educational sessions on healthy lifestyle.

“We believe people are our greatest resource and that philosophy has driven our success. We are dedicated to supporting our employees with flexible

work schedules, generous leave programs, and by offering a variety of training and professional development programs,” according to a statement that SAIC-Frederick provided to AWE.

AWE is a nonprofit organization dedicated to helping employers in the greater Washington, D.C., area become excellent places to work. ❖

SAIC-Frederick Awarded for Support to Frederick Community College Foundation

By Ken Michaels, Staff Writer

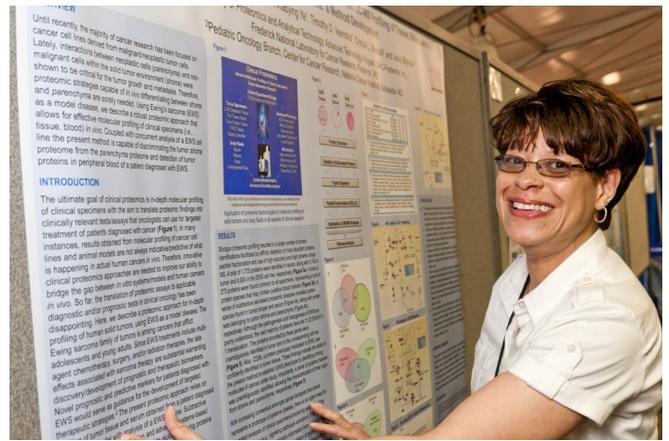
Christopher Massi (left), executive director of the Frederick Community College (FCC) Foundation, presents Dave Heimbrook, Ph.D., SAIC-Frederick chief executive officer, with the Sweadner Society Award in recognition of SAIC-Frederick’s donations of more than \$100,000 over the years in support of the foundation and its work. The Duval W. Sweadner Society is named in honor of FCC’s first president. ❖



Spring Research Festival Showcases Science

By Ken Michaels, Staff Writer

On May 9 and 10, more than 700 attended poster sessions at the 2012 Frederick National Laboratory and Fort Detrick Spring Research Festival, where nearly 150 scientists shared their current research findings. In addition, more than 150 vendors showcased their latest technology and equipment at the Biomedical Research Equipment and Supplies Exhibit sponsored by the Technical Sales Association. The Health Education and Community Services Exhibition also offered displays from various departments and programs at Frederick National Laboratory, as well as from colleges and universities and various government research agencies and organizations located at Fort Detrick. ❖



Reaching out to Life-Science Companies at BIO 2012

By Frank Blanchard, Staff Writer

SAIC-Frederick staff met with potential industry partners and answered questions from attendees at the BIO International Conference in Boston, held June 18–21.

Frederick National Laboratory and the National Cancer Institute shared a booth with other representatives of the National Institutes of Health at the conference, billed as the largest meeting of its kind. With total attendance of 16,505, the meeting hosted a record 25,291 partnering meetings. More than one-third of attendees were international.

NCI hosted several presentations in the Meet-the-Experts series. Bruce Crise, acting head of the Frederick National Laboratory's Partnership Development Office was among the presenters. Also attending the meeting from SAIC-Frederick were David Hoekzema, outgoing head of the development office, and Frank Blanchard, director of public affairs. ❖



The Teacher Reflects on Lessons Learned

By Maritta Perry Grau, Staff Writer

Editor's Note: Maritta Perry Grau, former managing editor of News & Views, retired from SAIC-Frederick on May 23, 2012, after 14 years of service. Ever the teacher, here she reflects on the lessons she learned at the Frederick National Laboratory.

I paused at the word: “penetrant.” Not puzzling even a moment, I replaced it with “penetrate.”

In 1998, I was the only SAIC-Frederick editor for the Frederick National Laboratory for Cancer Research (before I retired, there were three, including me). A freelancer for several years, I had published articles in regional magazines and newspapers, including the *Baltimore Sun* and the *Washington Post*, and had been a copy editor on several Surgeon General's Reports; but editing scientific articles? I had a lot to learn.

And one of my first lessons came with that word “penetrant.” After the author had read over my handwritten notations (we weren't using Track Changes then), he stopped by and gently, but with much laughter, explained why “penetrant,” not “penetrate,” was indeed the right word.

Lesson learned: Just because I haven't seen this version of the word doesn't mean it doesn't exist. From then on, I made sure to look up unfamiliar words in my *Stedman's Medical Dictionary* before I marked a change.

In those early days, I often read about experiments done at the molecular level. Sometimes, as I read, I would wonder whether I should be hoping that event was going on in my body or hoping

that it wasn't. Once, I was about halfway through a manuscript before I realized the descriptions were of a fruit fly. I understood the meaning of cell lysis only when I saw it described and shown on an episode of *CSI*.

Despite my tenuous beginnings, I learned to apply my newly acquired knowledge quickly. Once, a frustrated scientist was puzzling over his manuscript. “I was sure this was perfect for the journal,” he said. “I don't understand why they rejected it. Can you help?”

After reviewing the journal's author instructions, I explained the journal's requirements to the scientist. “Your abstract is about 500 words, and the journal only wants 250 words. The manuscript itself is about 25 pages, and the journal has asked for a maximum of 12.”

He reworked his manuscript, had me edit it once more, then resubmitted it to the journal. This time, victory!

Lesson learned (and reiterated in every seminar I ever taught): Always review the author instructions for the journal. That goes for the editor (me), as well as for the authors.

By the time you read this, I will have retired from SAIC-Frederick. I've a new chapter to edit now and, I'm sure, more lessons to learn. What will this next



Maritta Perry Grau (second from left) was joined by her family and friends for her retirement breakfast in the SPGM office on May 23.

chapter hold? Certainly, time for writing. Much time with my husband, children, and grandchildren. Time for my church. Time for gardening, walking, vacationing, watching birds, playing with our dog. And time for you, if you are so inclined—drop me a line at mpgrau@verizon.net. ❖

A Lifelong Love of Words

Maritta Perry Grau was supervisor of the editorial office at Scientific Publications, Graphics & Media (SPGM). In addition to supervising two editors, she was managing editor of the *News & Views* and *Poster* newsletters; developed and facilitated writing and communications workshops; and edited scientific manuscripts, management reports, manuals, and other documents for scientists as well as for administrative personnel. While at SPGM, Grau received several awards for her writing from juried competitions, such as the Silver Inkwell and Magnum Opus.

A graduate of Shepherd University with a B.A. in English and French, she also holds an M.A. in education from The

George Washington University. She taught English literature and composition for 15 years at both the high school and college levels, and for 5 years, she acted as the Maryland State Department of Education liaison with Hood College for an international studies program. Before joining SAIC-Frederick, Grau was a freelance editor and writer.

When asked what she will miss most, Grau replied, “Without a doubt, I'll miss the people—my colleagues at SPGM, the people I've met through the seminars and workshops we've taught, the scientists for whom I've worked, the other support personnel. I'll also miss being at the heart of support for the dynamic, cutting-edge research that goes on at the Frederick National Laboratory.”

Eyes at Work: Do You Have Them Covered?

By Debbie Schuchardt, Guest Writer, and Ashley DeVine, Staff Writer

While an injury on the skin can form a scar that you can see, the “scar” from an eye injury may not be so apparent. But even a minor eye injury can permanently affect your vision.¹

The National Institute for Occupational Safety and Health reports that approximately 2,000 occupational eye injuries occur each day.¹ In 2011, the Frederick National Laboratory recorded 9 eye injuries out of 128 total injuries (a 7 percent rate for eye injuries).

Most eye injuries occur when no eye protection is worn, but sometimes improper eyewear can also be the cause. Immediate first aid is the key to limiting vision damage.²

Common eye injuries include corneal abrasions (scratches on the cornea), infections, chemical splashes or burns, Welder’s flash (a “sunburn” of the eye), and particles embedded in the eye (such as concrete fragments or metal slivers).¹

The Occupational Safety and Health Administration’s standards require employers to provide workers with the proper eye protection.³ The Frederick National Laboratory follows these standards by providing protective eyewear and/or face shields to employees “working in areas or performing tasks that present a potential for eye injury,” according to the *Environment, Health, and Safety Operations and Compliance Manual*.⁴

The following materials can potentially injure the delicate tissue of the eye: workplace dust, concrete debris, metal particles, chemicals (acids, bases, fuels, solvents, lime, wet or powdered cement, etc.), cutting or welding lights, electrical arcing, thermal hazards, and bloodborne pathogens from bodily fluids.¹

It is estimated that 90 percent of eye injuries could be prevented by using the appropriate eye protection at work.²

What to Do If an Eye Injury Occurs

- Specks entering the eye require clean-water flushing (with water that is safe to drink) to assist in removal.



From left, Helene Highbarger and Robin Dewar try on safety eyewear at Environment, Health, and Safety’s (EHS’s) booth at the Spring Research Festival. The booth displayed a variety of personal protective equipment used at Frederick National Laboratory. Highbarger and Dewar model over-the-glasses safety glasses, which are designed to fit over prescription glasses.

EHS recommends that employees wear safety glasses to keep dust, debris, and flying objects out of their eyes. In work environments where there is the potential for a splash hazard of corrosive or injurious chemicals, EHS recommends that employees wear safety goggles alone or in combination with a face shield.

Safety eyewear and other personal protective equipment will be on display in the OHS lobby during the month of July.

Photo caption information courtesy of Tammie Ford, EHS.

Seek medical attention if you are unable to rinse the irritant out or if eye redness continues.

- Chemicals entering the eye require an instant, 15-minute clean-water flush and immediate medical attention.
- Emergency medical attention is necessary when something penetrates the eye: do not flush the eye with water or try to remove the object yourself.
- Swelling and pain caused by a forceful hit to the eye may be minimized by applying a cold compress without pressure, or by gently resting a plastic bag of crushed ice on the eye. If pain continues, vision is reduced, or discoloration appears in the eye, medical attention should be obtained.

To find out if the eye protection you are wearing is appropriate for the job you are doing, go to <http://www.cdc.gov/niosh/topics/eye/toolbox-eye.html>. ❖

References:

1. <http://www.cdc.gov/niosh/topics/eye/toolbox-eye.html>
2. <http://www.aoa.org/documents/EyeSafetyYouCanMakeADifference.pdf>
3. http://www.osha.gov/pls/oshaweb/owadispl.show_document?p_table=STANDARDS&p_id=9778
4. <http://home.ncifcrf.gov/ehs/ehs.asp?id=51>

Debbie Schuchardt is a nurse practitioner in Occupational Health Services.

Lessons from the FAR Boot Camp

By Jason Myers, Guest Writer

Who knew training on government acquisition could be intimidating?

The Federal Acquisition Regulation (FAR) Boot Camp is a one-week training seminar designed to teach attendees how to read, interpret, and apply FAR. After the “drill sergeant” informed the class that everyone had failed the first day’s pop quiz, it was clear that the first lesson of the FAR Boot Camp was realizing how little you knew.

FAR is the main set of rules that govern federal government acquisition. So why is FAR important to SAIC-Frederick? The answer is subcontracts. Each year, SAIC-Frederick awards millions of dollars in subcontracts, and FAR serves as the basis for all solicitations and subcontracts awarded by the company.

To Do, or Not To Do

Three main types of text make up FAR: (1) rules, (2) information, and (3) solicitation provisions and contract clauses. Rules direct you to do something or refrain from doing something, and are usually identified by auxiliary verbs like should, should not, shall, and must. An example rule is FAR 16.103(d), which states, “Each contract file shall include documentation to show why the particular contract type was selected.”

Information offers background, guidance, or suggestions regarding the rules.



During the week-long FAR Boot Camp, the “drill instructor” repeatedly drilled the class with exercises on the overarching concepts of FAR. Every wrong answer prompted the instructor to repeat his most popular phrase of the week, “Look it up and prove it.” Image courtesy of Jason Myers.

For example, FAR 16.101(b) tells readers “the contract types are grouped into two broad categories: fixed-price contracts and cost-reimbursement contracts.”

Solicitation provisions and contract clauses are the standard language used in solicitations and contracts. FAR part 52 contains all standard provisions and clauses that can be inserted directly into a solicitation or contract.

Pay Attention

It turned out that the correct answers to most of the exercises given at the training hinged on FAR definitions and correctly interpreting one or two words. For example, the rules for whether a vendor’s late proposal can be considered for award are different depending on how the proposal was submitted (i.e., hard copy versus electronic submission).

One of the key topics of the training is that FAR is not a procedure manual or a textbook. You read FAR to learn the rules—what you can and cannot do. All these rules make up more than 2,000 pages and are divided into 53 topical parts. For example, if you need to know the rules regarding contractor qualifications, you would start your research in part 9.

Keep Up-To-Date

FAR modifications occur frequently. This was evident when the instructor showed the class that the hard copy given out at the training was outdated before it even went to print. Therefore, it is important to make sure you are using the most up-to-date version, which can be found at <http://www.acquisition.gov/far/index.html>.

For more information about the FAR training, contact Jason Myers at myersjw@mail.nih.gov or 301-846-6741. ❖

Jason Myers is an auditor, Internal Audit, Financial Management Directorate.

Take Your Child to Work Day Is July 18

By Ashley DeVine, Staff Writer

Take Your Child to Work Day is Wednesday, July 18, 7:30 a.m.–3:00 p.m. All children attending should wear closed shoes (no flip-flops or open-toed sandals) and dress for warm weather and/or rain (the event goes on, rain or shine). It is important for children to wear their ID badge at all times. Badges are available at the Information Tent in the Hub area (located in the lawn area along Chandler and Wood Streets). For more information, visit <http://kidsday.ncifcrf.gov/>. ❖



What Does Your Future Look Like?

By Teresa Stitely, Contributing Writer

This final article in the Three Laws of Performance series focuses on the third



Teresa Stitely

law: future-based language transforms how situations occur to people.

Language that is generative, or future-based, allows us to take the blinders off, rid ourselves of the way we have always

done things, and articulate what we want the results to be. This language does not describe the situation; rather, it transforms the situation by rewriting it. The transformation of our nation, as documented in the Declaration of

Independence, was done by declaring the future of our nation, not by describing the future.

When we describe how things are, recognize trends, and even predict the future based on the past, it is known as descriptive language. Using language that describes the past or current situations limits our ability to create something new. It creates a bias that may yield less than optimal results.

Steve Jobs, co-founder of Apple, said, “You can’t just ask customers what they want and then try to give that to them. By the time you get it built, they’ll want something new.” Instead, he anticipated their needs and then used future-based language to define where he was going.

In the research and development environment at the Frederick National Laboratory for Cancer Research, we strive to design projects that will deliver novel approaches to solving current problems. Let future-based language describe the result you are trying to achieve. What problem are you trying to solve with your performance or that of your team? Are you working within a new budget environment or customer

requirements? If you don’t know what you want the result to look like, how will you know if you are successful? How do you lead your team in achieving the objectives of the project?

As discussed in the first two articles, we need to recognize what is holding us back and determine how to move forward. Is the status quo truly the path we want to continue on, or is it simply the comfortable one? If innovation is the direction you want to go, get your team together and discuss what you believe is preventing you from achieving your goals. Getting everything out in the open makes room for new and innovative ideas. Put past issues to rest and agree to move forward in a positive manner.

With everyone on board and a clean slate to work from, you are now at a point where you, with the help of your team, can declare the future of your project. By definition, you are announcing and making your intentions formally known. You and your team will be inspired and eager to start the journey in rewriting your project’s future. ❖

RESPECT Summer Special

By Andi Gnuschke, Guest Writer, and Ashley DeVine, Staff Writer

Nominate a fellow employee for a RESPECT (Recognizing Excellent Service Promotes Employee Commitment and Teamwork) employee recognition award between June 1 and August 31 to take advantage of the summer special—\$100 cash awards!

The RESPECT employee recognition program encourages employees at all levels to acknowledge the contributions of other employees or project teams at SAIC-Frederick. Any SAIC-Frederick employee may nominate any other SAIC-Frederick employee, as long as there is no direct or indirect reporting relationship. Note that project teams are not eligible for the summer special. Project teams will continue to receive \$15 per person for a team celebration.

To fill out the nomination form, go to <http://ncifrederick.cancer.gov/campus/sahsp/EmployeeRecognition/default.pdf> and submit the form via e-mail to saicferp@mail.nih.gov, or inter-office mail to Andi Gnuschke, TJ Drive. The justification must



incorporate a description of how the nominee has demonstrated exemplary customer service, work ethic, or performed tasks above and beyond his or her normal scope of responsibilities.

Show These Employees Some RESPECT

RESPECT award winners for the period of March 5 to June 1, 2012, are:

Judy Bowie • Dan Cogswell • Brad Gouker • Wayne Helm • Hilee Helmer • Robert “Bob” Kline • Laurie McMahan • Rebecca Oden • Silvana Rivero • Stephanie Smith • Ling Su • Ismahan Ugas ❖

Andi Gnuschke is a project manager, Quality Management Office, Contract Planning and Administration Directorate.

Farmers' Market in Full Swing

By Nancy Parrish, Staff Writer

Every Tuesday, Frederick National Laboratory and Fort Detrick personnel are treated to a Farmers' Market bursting with fresh, local vegetables, fruit, meats, chicken, eggs, and cheeses, along with locally made honey, soy products, and baked goods. You may also shop for olive oils, soaps, flowers, plants (annuals and perennials), skin care products, alpaca and emu products, and a variety of crafts.

Two vendors have joined Market this year. **Modest Madre** offers handmade clothing and accessories for little girls (newborn to eight years), and at **Sweet Farm Sauerkraut**, you'll find a variety of sauerkrauts made from only vegetables, sea salt, and spices. Seasonal batches of different "ferments" will also be available, including kim chi, beets, carrots, and more.

You can check the weekly schedule of vendors on the Farmers' Market website (<http://ncifrederick.cancer.gov/Programs/General/FarmersMarket/>), or watch for e-mail via the NCI-Events listserv.

Farmers' Market is open from 11:00 a.m. until 1:30 p.m. every Tuesday through October 30, in front of the main entrance of Building 549. ❖



Frederick National Laboratory Rebranding Continues

By Frank Blanchard, Staff Writer

Have you accidentally said, "NCI-Frederick" lately? Then you corrected the name: "Frederick National Laboratory for Cancer Research." It might take a while for the new name to roll off your tongue.

It will also take a while for the new name to penetrate all reaches of the organization. But it is happening.

We know the abbreviated name is Frederick National Laboratory, or Frederick National Lab. We know there

will be no logotype. But the name will be fixed in a type treatment that is under development and to be widely disseminated.

In addition to the type treatment, Scientific Publications, Graphics & Media staff is developing branding materials that will carry the new look of the organization. These will be made available to staff as they are developed.

You can expect to see the new name and new look appearing soon in a sign going up in front of Building 427. Other

building signs and pole banners will be redone later.

The rebranding effort is being led by Li Gwatkin, public affairs specialist in the NCI Office of Communication and Education, with support from Frank Blanchard, public affairs director of SAIC-Frederick. Contact either of them, or Craig Reynolds, Ph.D., associate director of NCI, if you have a question. ❖

OHS Rewards Walkers to the Spring Research Festival

By Will Sheffield, Guest Writer, and Ashley DeVine, Staff Writer

For the second year, Occupational Health Services (OHS) rewarded those who walked to the Spring Research Festival at its walking station set up at Porter Street and Ditto Avenue. Giveaway items were available, and walkers could enter a raffle for a chance to win more substantial prizes.

On May 9 and 10, 281 people stopped at the walking station and 194 entered the raffle.

Winners of the raffle were:

Trish Beard • Kelly Benauer • B.J. Bosche • Peter Boving • Sandy Burkett • Linda Cleveland • Kelli Czarra • Genetta Dixon • Craig Driver • Yihui Gong • Sue Gowda • Mary McNally • Zhaojing Meng • Craig Reynolds • Christina Robinson • Chelsea Sanders • Lynn Thomason • Sharon Wiles • Matt Young • Pam Young

Prizes included an exercise ball, duffle bag, exercise mat and carrying case, “fit” kit (with hand grips, ankle/hand weights, jump rope, and resistance band), soft insulated lunch bag and travel mug, trail tracker bike odometer, and pedometer and food/fitness journal. ❖



Kelly Hutzell and Will Sheffield of OHS talk to some of the Spring Research Festival walkers who stopped by the OHS walking station to pick up free items and enter a raffle.

Will Sheffield is an occupational health associate and Fitness Challenge coordinator, Occupational Health Services.

Employees Recognized during Second Quarter 2012

The following employees were recognized between March and June 2012 for exceptional workplace contributions.

AIDS and Cancer Virus Program

Alex Ray

Applied and Developmental Research Directorate

Stephen Forsha

Advanced Technology Program

Josip Blonder • Xiaoying Ye

Contract Planning and Administration

Jerry Burge • Steve Harshman • Debonny Shoaf • Connie Suders

Clinical Research Directorate

Melanie Baker • Lana Cross • Allison Eyer • Silvia France • Lisa Giebeig • Lynda Huber • Laurie McMahon • Merertu Tesso • Kim Wesmiller • Martin White • Jeremy Wilhide

Facilities Maintenance and Engineering

Rick Angleberger • Donnie Blickenstaff • Alan Covell • Tom Crone • Eddie Currens • James D'errico • Tony Favorite • Ruben Garay • Brian Gebhart • Robbie Jackson • Michael Kruijs • Norm Lambert • David Lee • Doug Leggett • Dexter Makel • Craig Marshall • Mike Moore • Jim Notnagle • Carl Probert • Lynn Schetrompf • Keith Zecher

Human Resources Directorate

Patti Fitzsimmons • Halee Helmer • Mary Neville • Lauri Rimorin

Information Systems Program

Roxanne Angell • Duncan Donohue • Nuri (Alpay) Temiz

Source Evaluation Group Voting Members

(Submitted by the Financial Management Directorate)

Wayne Duncan (DMS) • Linda Chambers (MorganFranklin) • Dan Fox • Craig Gladden • Kathy Hoffman • Beth Kelly • Jeff Lake

Vaccine Clinical Materials Program

Heather Allen • Carol DeSimone • Doris Evans • William Gonzalez • Harold Kensinger • Carmen Marlowe • Jeffry Popp • Chao-Kuei Wang • John Weisgerber ❖

See and Do

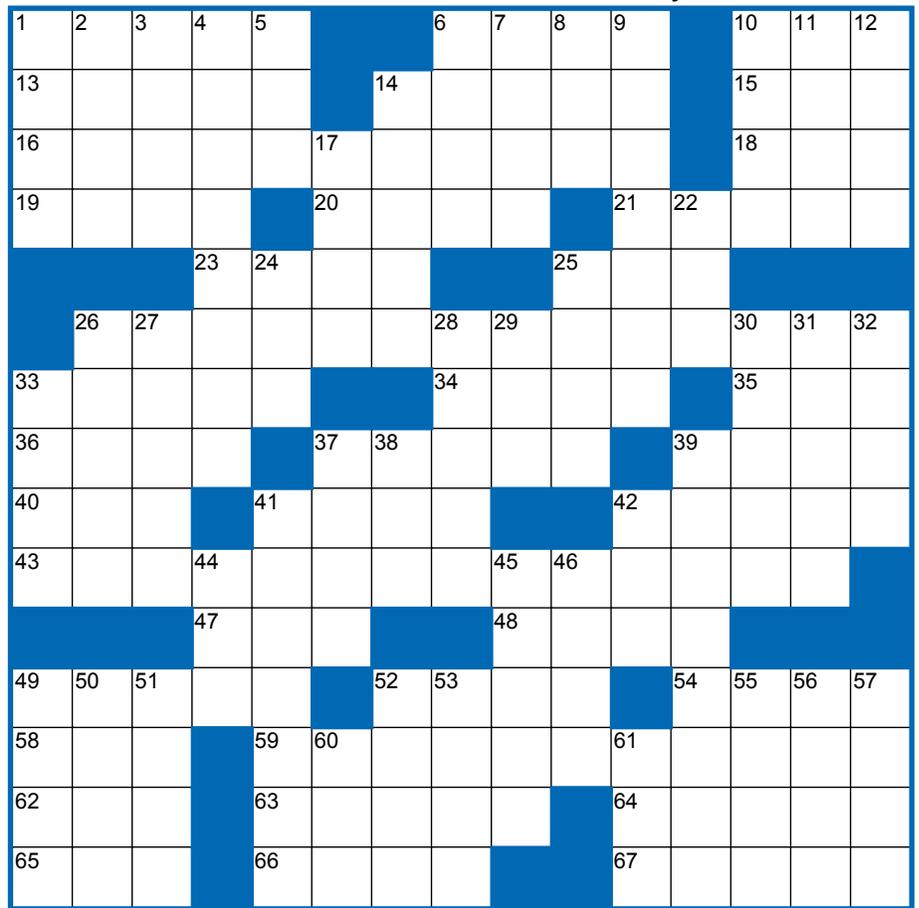
by Frank Blanchard

ACROSS

- 1 Jewish teacher
- 6 French celebration
- 10 Tree fluid
- 13 A youngster age 12–20 (2 wds.)
- 14 Locations
- 15 ___ only a matter of time
- 16 Fall Frederick festival
- 18 Negative responses
- 19 I said ___, ___ don't ask again
- 20 Mud oozes between them?
- 21 She ___ the door to enter
- 23 Oil-rich Arab state
- 25 C'est ___ belle journee
- 26 Frederick County still has three of these structures
- 33 It ___ two to tango
- 34 Unglazed ceramic jar
- 35 ___ Theaters (for movies)
- 36 Oncogene involved in signalling
- 37 Leaves out
- 39 Actress Jessica ___ of Dark Angel
- 40 Energy molecule
- 41 Michael ___, Israeli ambassador to the United States
- 42 Complete, absolute
- 43 Frederick performance venue
- 47 First Internet video phone?
- 48 Typee sequel
- 49 ___ Carlo Resort and Casino
- 52 Jai ___
- 54 Australian singer Johnny ___, "Think Me a Kiss"
- 58 You ___ so good at crosswords
- 59 Thurmont animal attraction
- 62 Airport security grp.
- 63 Instruct
- 64 Sea birds
- 65 Habitual drunkard
- 66 Handwashing receptacle
- 67 Celebrity Seacrest and others

DOWN

- 1 With 6 Down, James Taylor hit, "___ and ___"
- 2 Rilke: "___ other time (than autumn) does the earth..."
- 3 Wagers
- 4 It ___ you at least to try
- 5 Suffix "of or pertaining to"
- 6 With 1 Down, James Taylor hit, "___ and ___"
- 7 Vous ___ belle
- 8 Golf prop
- 9 Latvia neighbor on Baltic Sea



- 10 Cosine counterpart
- 11 Two thousand pounds (2 wds.)
- 12 Sound of leaky car tire?
- 14 Actress Sharon of "Basic Instinct"
- 17 Something to wish upon?
- 22 A combining form meaning: having a foot
- 24 Buffering agent in biochemistry
- 25 Internet addresses
- 26 A la ___ (menu)
- 27 Forest giraffe of the Congo
- 28 ___ business (active)
- 29 Summertime sandwich favorite
- 30 ___-Re, Green Lantern from Xudar (in comics)
- 31 Smoldering remains of fire
- 32 Remnant of wound healing
- 33 Unfreeze
- 37 Popular cookie
- 38 French black-and-white silent film, "La ___"
- 39 Lawyer
- 41 Things
- 42 Mattel card game
- 44 Be ___ afraid
- 45 Team trainer
- 46 Give off
- 49 Yoga platforms
- 50 I'll be 15 minutes ___ (estimating)
- 51 Tidy
- 52 What sunbathers seek (2 wds.)
- 53 ___, stock, and barrel
- 55 ___ Pound, American poet
- 56 Large German city
- 57 Springsteen
- 60 Renowned Washington, DC think tank
- 61 Form filed with the government in April (abbr.)



Answers to the April 2012
News & Views crossword puzzle

It's Eff, En, Ell

By Ken Michaels, Staff Writer

The other day, in a discussion about implementing new branding standards for the name change to Frederick



Ken Michaels

National Laboratory for Cancer Research (see related article on page 15), Frank Blanchard, our public affairs director, related to me that he had recently been asked, "So how exactly do

I pronounce FNL?" His answer was, "Eff, en, ell." Why? Because FNL is not an acronym.

FNL Is NOT an Acronym?

Right. Contrary to popular belief, a collection of letters that stand for something is not necessarily an acronym.

And this is one such case: FNL is an initialism (also sometimes called an alphabetism), not an acronym. So what's the difference?

While the term "acronym" is often used to describe any lettered abbreviation, most dictionaries define an acronym as a word derived from the first letters of a more complex term. True acronyms, therefore, are SCUBA (self-contained underwater breathing apparatus), AIDS (acquired immune deficiency syndrome), and LASER (light amplification by stimulated emission of radiation).

The U.S. armed forces, and the government in particular, generated thousands of acronyms in the 20th century to abbreviate lengthy terminology to more manageable, pronounceable expressions. Agencies were cautioned to make terms "YABA compatible" (YABA is an acronym for "yet another bloody acronym"), meaning to take care that the full term did not abbreviate to an offensive word.

Use the Letters

Initialisms, on the other hand, are forms of shorthand not intended to be regarded as words and thus pronounced. Who would try and pronounce AFL-CIO, CIA, or HTML?

And yet some folks do insist on pronouncing that which ought not to be. Personally, it's like fingernails on a chalkboard when I hear people making words that ought not to be—calling an uninterruptible power supply an "ups" or a uniform resource locator an "earl."

Please. Use the letters.

And especially with the Frederick National Laboratory. We really don't need more invented words. We should no more try to invent a way to pronounce FNL than we would NCI; "en, see, eye" does the job just fine.

So how do we pronounce FNL? "Eff, en, ell."

Please. Use the letters. ❖

FNL

ATP Receives Large-Group Award for Double Our Reach Participation

By Ashley DeVine, Staff Writer

The Advanced Technology Program (ATP) received a "Benny" (benevolence) Award for achieving the highest percentage employee participation out of groups with more than 100 people during the 2011–2012 Double Our Reach campaign. ATP's participation was 13.19 percent. ❖

From left, Dave Heimbrook, with ATP representatives Rennay Dewberry, ATP administrative office; Ralph "Butch" Hopkins, Protein Expression Laboratory; Teri Plona, Laboratory of Molecular Technology (LMT); and Xiaolin Wu, LMT.



SAIC-Frederick, Inc.

DOUBLE OUR REACH





Andrew Watson, January winner for running.

Fitness Challenge Monthly Winners Wanted

By Will Sheffield, Guest Writer

As the Fitness Challenge progresses through the year, it becomes harder to find monthly winners because each participant can only win one monthly prize in a 12-month period. A prize is awarded each month to the top three participants in the five Fitness Challenge categories: miles run, walked, and biked; weight lost; and hours spent on other fitness activities (such as yoga, swimming, dance, and weight lifting).

New to the Fitness Challenge?

The 2012 program has a new category called “new enrollee” for the novice or first-time exerciser who makes a commitment to change his or her life through exercise and diet and keeps it going throughout the year. There will also be a new enrollee year-end winner in each of the five fitness categories.

If you would like to register for the Fitness Challenge, contact Will Sheffield at sheffieldwg@mail.nih.gov or 301-846-5109, or set up your account at <http://saic.ncifcrf.gov/fitnesschallenge/>. ❖

Will Sheffield is an occupational health associate and Fitness Challenge coordinator, Occupational Health Services.



Steve Dobson, January winner for running.



Mark Whitmore, January winner for biking.



Courtney Silverthorn, January winner for other fitness activities.



Mark Gunnell, March winner for biking.



Kelly Spore, February winner for running.

Photos courtesy of the individuals pictured.

Important Telephone Numbers

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

Dates to Note

Take Your Child to Work DayJuly 18
 Student Jeopardy TournamentJuly 25
 Frederick National Lab/Fort Detrick
 Student Poster Day.....August 1
 Labor Day:
 Frederick National Laboratory closed..... September 3
 Columbus Day:
 Frederick National Laboratory closed..... October 8

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Our Mission

SAIC-Frederick, Inc., operates the Frederick National Laboratory for Cancer Research for the National Cancer Institute, safely conducting research and development to accelerate the translation of basic research discoveries into products that will advance the prevention, diagnosis, and treatment of cancer, infectious diseases, and associated public health concerns.

Please send your information, articles, or ideas to news&views@mail.nih.gov

News & Views is published quarterly by Scientific Publications, Graphics & Media for SAIC-Frederick, Inc., the Operations and Technical Support contractor for the Frederick National Laboratory for Cancer Research, in Frederick, Maryland. The content of this publication does not necessarily reflect the views or policies of the Department of Health and Human Services, nor does mention of trade names, commercial products, or organizations imply endorsement by the U.S. government. Please direct comments or suggestions to news&views@mail.nih.gov.

Four Scientists Receive Emeritus Status

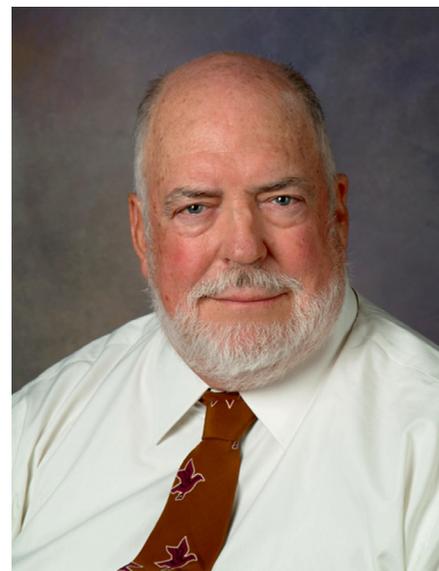
By Kathy Miller, Contributing Writer

SAIC-Frederick's Chief Executive Officer (CEO) Dave Heimbrook, Ph.D., is pleased to announce that four retired scientists have recently been granted the new distinction of Emeritus Scientist: Larry O. Arthur, Ph.D., CEO, SAIC-Frederick, and AIDS and Cancer Virus Program; Robert J. Fisher, Ph.D., Advanced Technology Program; Martin J. Fritts, Ph.D., Research Program Administration, Operations and Technical Support (OTS) Contract Office; and Haleem J. Issaq, Ph.D., Advanced Technology Program.

All four recipients of this designation started work at what was called the Frederick Cancer Research Center in the 1970s, and is now Frederick National Laboratory for Cancer Research, as either a federal employee or directly for the OTS contractor.

Emeritus Scientists may choose to explore different avenues of research after retirement or to delve even more deeply into the fields they have cultivated for decades. Emeritus status is granted by members of SAIC-Frederick's Key Staff at the time of retirement in recognition of a distinguished and productive career.

Be sure to say hello, as you may be seeing these Emeritus Scientists around from time to time as they continue to share the breadth of their expertise, intellect, and creative contributions to the Frederick National Laboratory community. ❖



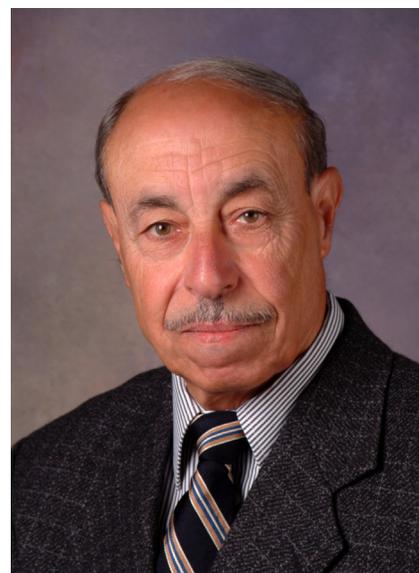
Robert Fisher, Ph.D.



Larry Arthur, Ph.D.



Martin Fritts, Ph.D.



Haleem Issaq, Ph.D.

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