

"Still  
The Second  
Best Thing  
About Payday"

# The NIH Record

## NINR Director Hinshaw Leaves for Academia

By Linda Cook

Dr. Ada Sue Hinshaw, a nationally and internationally recognized contributor to nursing research, recently left the NIH campus after 8 years to accept a position as dean of the School of Nursing at the University of Michigan in Ann Arbor. She was the first permanent director of the nursing research center, established in April 1986, which became the National Institute of Nursing Research last year. "Being a dean has always been a dream of mine," said Hinshaw, "and I will still be involved in research."

A leading advocate for nursing research, she received her master's degree in nursing from Yale University and her M.A. and Ph.D. in sociology from the University of Arizona.

During her 15 years at Arizona, Hinshaw served concurrently as director of research and professor at the college of nursing in Tucson, and as director of nursing



Dr. Ada Sue Hinshaw

research at the university medical center's department of nursing. While there she became involved, through the American Nurses Association, with the movement to bring  
(See HINSHAW, Page 2)

## Science Alliance Meeting Offers Teaching Tips

NIH deputy director Dr. Ruth Kirschstein recently kicked off the annual Science Alliance scientist workshop, a fun and informative all-day retreat providing participants with a first-hand opportunity to sample a number of hands-on activities that can be presented to elementary students.

Among the presenters were Charles James of the Carnegie Institution's First Light program and Margaret Tunstall of the American Association for the Advancement of Science, both experienced science educators. James shared a number of simple hands-on projects that brought together several areas of science and provided hints about how to present each activity. Tunstall provided useful how-to suggestions both in terms of interacting with the class and with the teachers and school system. Both presentations were well received.

One-year Science Alliance veteran Dr. Judy Small of NINDS said she found Tunstall's suggestions on how to be a better resource for  
(See SCIENCE ALLIANCE, Page 4)



Hundreds of NIH'ers turned out for the 12th annual Camp Fantastic Barbecue, sponsored by the NIH Re&W Association to benefit the summer camp for kids with cancer. More than \$3,000 was raised by the event on June 22. Members of the Capitol Klowns (above, l) entertained at the affair, as did the band Streetlife. Also contributing substantially to the success of the event were the Blind Industries of the State of Maryland and GSI, which donated the chips, sodas and chicken.



## Study Shows Synthetic Peptides Block Inflammation

By Wayne Little

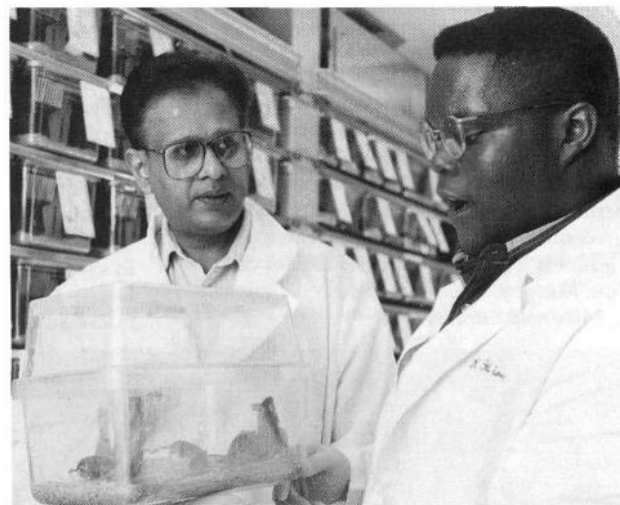
Scientists have found a way to protect genetically engineered mice that normally die from severe tissue inflammation. The study suggests a unique approach for treating inflammatory conditions ranging from arthritis to periodontal diseases.

The study, which was carried out at NIDR, appeared in the May 24 issue of the *Proceedings of the National Academy of Sciences*.

The research team worked with mice that had been genetically altered so that they were unable to make an important protein called transforming growth factor-beta 1 (TGF- $\beta$ 1). The mice, produced by Dr. Ashok Kulkarni at NINDS, are known as TGF- $\beta$ 1 "knockouts."

TGF- $\beta$ 1 is normally produced by most cells in the body, and plays a prominent role in

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PRAT fellow Dr. Keith Hines (r) of NIDR and Dr. Ashok Kulkarni of NINDS examine a cage of TGF- $\beta$ 1 knockout mice.



Science Alliance participants got a chance to try out several hands-on projects at the program's annual scientist workshop. Presenters shared tips and suggestions on approaching budding science enthusiasts.

## HINSHAW

(Continued from Page 1)

nursing research into the research mainstream represented by NIH. "This was not a straightforward process," she explained. "First the nursing community had to coalesce behind the idea; then we needed to acquaint Congress with this issue. It took several years."

In 1984, President Reagan vetoed a bill to create the institute. But in 1985, following a compromise that a National Center for Nursing Research be created, the initial setback was overcome by Congress overriding the President's veto—and the federal focal point for nursing research arrived on the NIH campus. Eight years later, during which time she continued to work toward the "institute" goal, Hinshaw had the satisfaction of celebrating the establishment of the National Institute of Nursing Research on June 14, 1993.

Last year was a banner one in another respect. Hinshaw was named Health Leader of the Year by the Commissioned Officers Association of the U.S. Public Health Service, an award that recognizes people who have made notable contributions to the health of the nation.

When discussing achievements, Hinshaw likes to point to the rapid growth of nursing science in a short time. "When we started in 1986," she said, "there were very few nursing research studies, and not many schools of nursing could boast of the number or depth of their research programs. Today 24 such schools have what we would call research-intensive environments. Now we have a strong, evolving foundation to

do nursing research." The studies address such major health care problems as symptom management of pain, cancer, Alzheimer's disease, and HIV infection, and prevention of low birth weight infants and adolescent risky behavior.

Her regrets? "That our early phase of development has dovetailed with stepped-up concerns about the economy and the federal deficit," she explained. "This has affected the growth and resources of the NINR at its important initial stage. When other institutes were starting out, they had a bolus of funds to use. Yet our achievements under these constrained budgetary circumstances have been truly remarkable," she said. "It's just been a lot harder."

Hinshaw is known for her "win-win" approach to her work life and dealing with people. She always accents the positive, emphasizing growth and opportunities for nurse researchers, her NINR staff, the NIH and the public. She and her staff have also fostered productive, collaborative research projects with other institutes—NIAID, NHLBI, NIA, NICHD, to mention some.

"I will always remember the wonderful cooperation I have received from the NIH community," she said. "I got a lot of support right from day one, and it has never stopped!"

Acting director of NINR during the search for a permanent director will be Dr. Suzanne S. Hurd, director of NHLBI's Division of Lung Diseases. □

## NHLBI Needs Volunteers

The Cardiology Branch, NHLBI, needs male normal volunteers ages 45 and older to participate in a study assessing the causative mechanisms of certain cardiovascular diseases. Volunteers must not be taking any medication. The study includes placement of a small needle in the brachial artery and takes approximately 4 hours. Participants will be paid. For more information, call Cressie Kilcoyne, 6-8739. □

## Sailing Club Has Open House

The NIH Sailing Association will hold an open house including free food, drink and boat rides on Saturday, July 23 from 10 a.m. to 4 p.m. at Selby Bay on the Chesapeake for R&W members and their friends. For details and directions to Selby Bay Sailing Center, pick up a leaflet at any R&W activities desk or call Tom Murphy, 262-8574 or 405-1874; email tm34@umail.umd.edu. □

## Host Families Sought for Students

Host families are being sought for two medical students from Kyoto University in Japan who will be spending their elective research rotation in laboratories of the National Cancer Institute this summer and fall. Dr. Kenneth H. Kraemer of the Laboratory of Molecular Carcinogenesis and Dr. Yves Pommier of the Laboratory of Molecular Pharmacology will host 22-year-old male students Chihiro Namiki and Tsuyoshi Ueda in the fifth year of this exchange program between NIH and Kyoto University.

While the primary purpose of the students' visit is to provide them with an opportunity to be engaged in a research project, the students hope to become familiar with life in the United States by living with a family. These students are responsible for the funding of their 3-month visit beginning in early August. Reimbursement of host families for room will be made. Families living close to NIH are preferred as the students will have no transportation of their own. If you are interested in hosting one of these medical students, call Kraemer, 6-9033, as soon as possible. □

## Normal Volunteers Required

The Epilepsy Research Branch, NINDS, is looking for normal volunteers who are at least age 30 to take simple language tests. Volunteers must be native English speakers and have no more than a high school education. Payment is \$20 for 1 hour of testing. If interested, call Elizabeth Hoffman, 2-1315. □

## The NIH Record

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Members of the NIH committee for employees with disabilities include (seated, from l) Joan Brogan (acting Disability Employment Program manager), Frances Cannon, Lori Ingram, Shana Malone, Brenda Robertson and Jerry Haley. Standing are (from l) Sonia Gaskin, Alex Nobleman, Dr. William Walker (vice chairperson 1994), Joe Washington, Dr. Judith Pokskalny, John Miers (chairperson 1994), Katherine Froehlich, Arthur Schultz Jr., Judy McCause, Randy Redmond, Roberta Spolin, Christine Clements, Kay Johnson, Dr. Steve Hausman (PHS advisory committee on employment of persons with disabilities chairperson 1994), Becky Lawson, Cheryl Wild, James Bullman, Claudia Goad, Gary Morin (interpreter), Lois DeNinno (secretary 1994), and Ricardo Herring. The committee's goal is to achieve equitable representation for persons with disabilities of all race, ethnic, gender and age groups and in all occupations and grade levels.

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## Kleinman Named Acting NIDR Director

Dr. Dushanka V. Kleinman has been named acting director of the National Institute of Dental Research. Her appointment follows the recent retirement of Dr. Harald Löe.

Since 1992, Kleinman has served as NIDR's deputy director, having held several management positions within the institute prior to that time. She joined NIDR in 1980 as the

evaluation officer and in 1983 became chief of the planning and evaluation section, where she served until 1986. For the next 5 years she worked in the institute's Epidemiology and Oral Disease Prevention



Dr. Dushanka Kleinman

Program, first as a special assistant to the associate director for program coordination, then as chief of the soft tissue, craniofacial defects and pain section.

Kleinman is a researcher known for her work on the epidemiology of oral mucosal tissue diseases and disorders. Currently, she and colleagues from NIDR's epidemiology program and NCI are conducting a study of oral and pharyngeal cancer in Puerto Rico. Additionally, she is part of the team evaluating data from the latest National Health and Nutrition

Examination Survey (NHANES III).

Now a captain in the Commissioned Corps, Kleinman began her PHS career in 1978 as a lieutenant. She also had served as a staff dental officer in the division of dentistry at the Health Resources Administration. Before joining the corps, she was a general practitioner and an assistant professor at the Baltimore College of Dental Surgery, Dental School, University of Maryland.

She has received several PHS awards, one for her work in developing the NIDR long-range plan for the 1980's and another for her contributions to the 1986 surgeon general's report on smokeless tobacco. She is also a recipient of the Surgeon General's Exemplary Service Medal.

Kleinman earned a B.S. in zoology from the University of Wisconsin and a D.D.S. from the College of Dentistry at the University of Illinois. She interned at the University of Chicago's Zoller Dental Clinic prior to studying at the Henry M. Goldman School of Graduate Dentistry at Boston University, where she received an M.Sc.D. in dental public health.

She is active in several professional organizations, most recently serving as president of the American Board of Dental Public Health. She is a member of the American Association for Dental Research, the American Dental Association, and the American Association of Dental Schools, and is a past president of the American Association of Women Dentists. □



Dr. Jerry M. Rice has been named NCI's new associate director in charge of the Frederick Cancer Research and Development Center (FCRDC). He replaces Dr. Richard H. Adamson, director of NCI's Division of Cancer Etiology, who has been acting associate director for FCRDC since December 1992. Rice holds a doctorate in biochemistry from Harvard University and served as chief, Laboratory of Comparative Carcinogenesis, Division of Cancer Etiology, NCI, since 1981. He joined the PHS Commissioned Corps and NCI in 1966. His research interests are in mechanisms of carcinogenesis, especially perinatal carcinogenesis, and he has authored or coauthored more than 200 publications in chemistry, pathology and molecular biology.

## NCI's Elise Kohn Wins Arthur Flemming Award

Dr. Elise C. Kohn, chief of NCI's signal transduction and prevention unit of the Laboratory of Pathology, has won the 1993 Arthur S. Flemming Award for her work leading to the first human clinical trials of signal transduction therapy.

The award was presented recently by the Downtown Jaycees in Washington, D.C.

Kohn's work on signal transduction therapy represents a novel approach to the treatment of cancer. Most cancer chemotherapeutic agents kill cancer cells by damaging DNA or interfering with nucleic acid synthesis. The agent Kohn has found, carboxyamidotriazole (CAI), acts to prevent or slow metastasis (spreading of cancer to new sites) and growth of tumors.

CAI interferes with the reception of external signals that tell cells when to grow. These signals are amplified within the cell by a variety of pathways, many of which are mediated by levels of calcium ions within the cell. CAI interferes with the ability of cells to take up calcium ions, which prevents cells from responding to the signals and growing.

CAI also interferes with angiogenesis, the formation of new blood vessels. The blood vessels provide tumor cells with nutrients and carry them to distant parts of the body. By preventing angiogenesis, CAI may be able to prevent or delay metastasis.

CAI is now in phase I clinical trials, which are designed to test its toxicity. To date, CAI has performed well; side effects have been tolerable even when CAI is given daily. The drug can be given orally, which means it may also be possible to use it as a chemopreventive agent. Plans are currently under way for phase

II trials, which will help determine which types of cancers can be treated with CAI.



Dr. Elise Kohn

In addition to her work on CAI, Kohn and colleagues recently completed a phase II trial in which doses of paclitaxel (Taxol) were doubled, resulting in a doubled response rate among women with ovarian cancer that does not respond to conventional treatment. These results are the basis for a phase III trial testing taxol dose intensity in relapsed ovarian cancer patients.

Kohn received her M.D. from the University of Michigan in 1983. Her awards include the Public Health Service Achievement Award in

1992, the American Cancer Society's 35th Science Writers Seminar in 1993, and a PHS Unit Commendation in 1993.

The Arthur S. Flemming Awards are presented annually to outstanding individuals who are under 40 years of age. They are given in administrative and scientific categories; Kohn received her award in the scientific category. Previous NCI Flemming Award winners include Drs. Samuel Broder, Martin Rosenberg, Lance Liotta and Louis Staudt. □

## Male Twins, Elderly Sought

NIMH needs male fraternal (nonidentical) twin pairs for a study of brain function. Twins must be between the ages of 18 and 30. Also needed are older normal control subjects between the ages of 60 and 80. Participants in either study must not be taking medications or have a history of major medical or psychiatric illness. Procedure involves mapping brain structure with magnetic resonance imaging, and mapping brain function with positron emission tomography (PET) while subjects perform various problem-solving tests. The PET scan involves exposure to an amount of radiation that is within both NIH and FDA guidelines. Volunteers will be paid. For information contact Jill Ostrem or Brenda Kirkby, 2-3682. □

## SCIENCE ALLIANCE GATHERING PASSES ON SUCCESSFUL TEACHING APPROACHES

(Continued from Page 1)

the teachers particularly helpful. Elva Ruiz of NCI liked the hands-on projects that James presented. NEI's Dr. Carmen Moten, who is new to Alliance, enthusiastically endorsed the hands-on approach and the emphasis on teacher involvement.

Several workshop participants, including Dr. Milton Hernandez of NIAID, although new to Alliance, have a longstanding interest in science education. He was attracted to Alliance because it is a proven program that offers organizational support and practical help to participants. Similarly, Dr. Maryrose Franko of NIDR is enthusiastic about the support provided and the fact that,



Here scientists see for themselves that a simple bag of seeds is all the equipment needed for a very useful classroom exercise.

through direct interactions with teachers and the school system, her efforts will have a much broader impact.

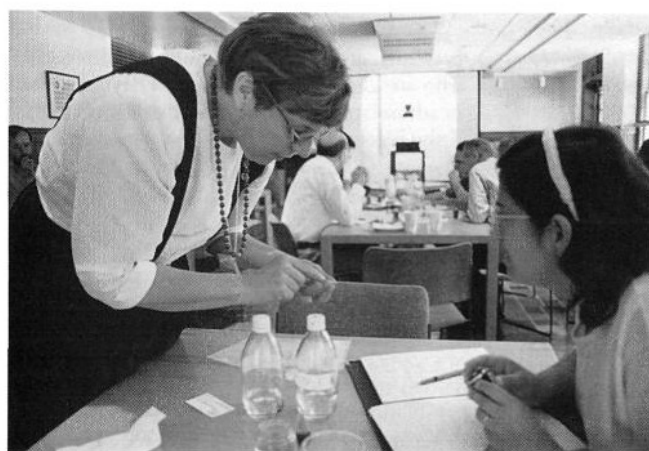
Since its beginning in 1990, Science Alliance has been dedicated to improving kindergarten-through-grade 5 science education via partnership with Maryland and District of Columbia public schools. What Alliance scientist Dr. Jim Hernandez of NICHD likes about the program's "in school" approach is that it reaches minority children who might not otherwise even consider further study or a career in science.

Although all Alliance scientists agree that they love working with the kids, what makes Alliance different from other science education projects is the partnership aspect. As explained by Dr. Jim Anderson, "By working with the teachers, we not only increase our own effectiveness through their guidance but also increase the teachers' effectiveness by offering valuable ideas and direct exposure to how scientists approach problems."

Dr. Irene Eckstrand of NIGMS said, "In the schools where we have been working for several years, we have found a really positive cultural change." For more information about Science Alliance, call Eckstrand, 4-7762, or Anderson, 4-7754.—Camilla Day □



Dr. Irene Eckstrand of NIGMS outlined the history and basic philosophy of Science Alliance, which began in 1990 to improve science education for young students, from kindergarten through fifth grade.



Margaret Tunstall (l) of AAAS describes a classroom project to Dr. Judy Small of NINDS.

## Prepare for Possible Energy Curtailments

Now that hot, humid weather is here, the Maintenance Engineering Branch reminds the NIH community to be prepared for possible periodic energy curtailments. Pepco, in times of extreme weather conditions, has asked NIH to limit use of electric power during peak demand periods. Extreme hot weather also creates demands that exceed the NIH central utility plant's ability to generate chilled water for cooling. Last summer, a catastrophic failure in the chilled water distribution system resulted in a week-long curtailment. Most curtailments will be brief, requiring employees to turn off nonessential equipment and lights. When curtailment is necessary, designated building managers will notify administrators, who will inform employees. □

## PEPTIDES

(Continued from Page 1)

regulating white blood cells, or leukocytes, as they respond to an infection or injury. Mice unable to make TGF- $\beta$ 1 appear normal at birth but die 2 to 3 weeks later. Death is caused by massive infiltration of leukocytes into tissues and organs, especially the heart and lungs.

According to NIDR's Dr. Sharon Wahl, who directed the study, the role of TGF- $\beta$ 1 in orchestrating the body's immune response is complex and not completely understood. "From observations on the knockouts and other animal models, it is apparent that too much or too little TGF- $\beta$ 1 can fuel inflammation," she said. "We have been able to block, at least temporarily, a basic feature of the inflammatory reaction and, as a result, delay the invasion of leukocytes that ultimately kills untreated knockout animals. We are not sure how long we can experimentally keep these animals alive. At present, there are simply not enough of them available to do an extended survival study, but the preliminary results are encouraging."

Wahl and Dr. Keith Hines, a Pharmacology Research Associate Program (PRAT) postdoctoral fellow in her laboratory and lead author on the publication, developed a novel treatment to stem inflammation in the knockout mice. Their approach is aimed at blocking leukocyte attachment to blood vessel walls, thereby preventing the inflammatory cells from burrowing through the vessels and into the tissues.

The adherence of leukocytes to blood vessels is facilitated by proteins on the surface of leukocytes that bind to complementary proteins present on the cells and in the connective tissues that line the vessels. One of the leukocyte-binding proteins present in blood vessels is a molecule called fibronectin.

Hines and his laboratory colleagues synthesized small pieces of fibronectin designed to react with specific proteins on the leukocytes. The so-called "synthetic fibronectin peptides" were intended to occupy these attachment sites and interfere with cell adherence to blood vessels.

When Hines gave 8-day-old knockout mice daily injections of synthetic fibronectin peptides, the results were dramatic. Animals receiving the injections remained healthy at the time when their control littermates died from the effects of severe tissue inflammation.

Wahl feels fibronectin peptides can be an effective approach for treating debilitating inflammatory diseases in general. Her work with an arthritis rat model, soon to be published in the *Journal of Clinical Investigation*, supports this premise. "When we give these same fibronectin peptides to rats that have been primed to develop arthritis, we see a marked suppression of disease," she said. □

## Hypertensive Volunteers Needed

NIA's Laboratory of Neurosciences is seeking volunteers with a medical history of hypertension to participate in a research study. Call 6-4754 for more information. □

## 1994 NIH Honor Awards Presented June 30

Dr. Ruth Kirschstein, NIH deputy director, presented awards June 30 at the annual NIH Honor Awards Ceremony to the following recipients:

### NIH Director's Award

The NIH Director's Award recognizes superior performance or special efforts significantly beyond the regular duty requirements, and directly related to fulfilling the mission of the National Institutes of Health.

#### Clinical Center

Peggy Jo Maddox  
Deputy Director  
Nursing Department

*"In recognition of exceptional initiative and leadership, with impact on quality management, in coordinating and implementing the TQM 'Customer Survey' for the Clinical Center."*

#### Division of Computer Research and Technology

##### High Performance Computing Systems Group

Dr. Bernard R. Brooks, Chief, Molecular Graphics and Simulation Section  
Dr. Milan Hodosek, Visiting Fellow  
Calvin Johnson, Acting Chief, High Performance Computing Section  
Chris Lanczycki, Computer Scientist (student trainee)

Dr. Robert L. Martino, Chief, Computational Bioscience and Engineering Laboratory  
John Pfeifer, Computer Engineer  
William L. Risso, Deputy Director, DCRT  
Dr. Edward Seidl, Staff Fellow  
Edward Suh, Computer Engineer  
Dr. Benes L. Trus, Chief, Image Processing Research Section

Neil Weisenfeld, Computer Engineer

Tieng Yap, Computer Engineer

*"In recognition of exemplary leadership in the application of high performance parallel supercomputing to solve important computationally intensive problems in basic and clinical biomedical research."*

##### DCRT Senior Management Team-Reorganization Group

Marian L. Dawson, Executive Officer  
K.P. Murphy, Personnel Officer  
Perry Plexico, Acting Chief, Computing Facilities Branch  
William L. Risso, Deputy Director, DCRT  
David C. Songco, Chief, Distributed Systems Branch

J. Emmett Ward, Acting Associate Director, Office of Computing Resources and Services and Chief, Information Systems Branch  
*"For exceptional leadership which guided the successful reorganization of the Division of Computer Research and Technology (DCRT)."*

#### Division of Research Grants

Dr. Faye J. Calhoun  
Supervisory Health Scientist Administrator (General)

Referral and Review Branch

*"For dedicated service to the mission of the National Institutes of Health in promoting the advancement of women and minorities in health research and administration."*

Dr. Clark K. Lum  
Health Scientist Administrator  
Referral and Review Branch

*"For outstanding contributions to the mission of the National Institutes of Health and effective assistance to national and international interests of the Public Health Service."*

Lawrence E. Morton, III  
Technical Information Specialist (Biomedical Sciences)

Information Systems Branch

*"In recognition of highly innovative work in developing, publishing and presenting CRISP on CD-ROM."*

#### National Cancer Institute

Dr. Louise A. Brinton  
Chief, Environmental Studies Section  
Environmental Epidemiology Branch  
Epidemiology and Biostatistics Program  
Division of Cancer Etiology

*"For development of a comprehensive program of research on cancers of the breast and female reproductive system and innovative leadership in women's health issues."*

Dr. Marvin R. Kalt  
Deputy Director  
Division of Extramural Activities

*"In recognition of exceptional contributions in formulating, implementing and expediting policies necessary for the initiation of award programs critical to the success of extramural programs."*

##### Linxian Nutrition Intervention Trials Study Group

Dr. William J. Blot  
Dr. Sanford Dawsey  
Dr. Abby G. Ershow  
Dr. Joseph F. Fraumeni, Jr.  
Dr. Mitchell Gail  
Dr. Peter Greenwald  
Dr. Steven D. Mark  
Dr. B.J. Stone  
Joseph Tangrea  
Dr. Philip R. Taylor

*"In recognition of completion of the first intervention studies to demonstrate reduction in cancer incidence and mortality through nutritional supplementation."*

#### National Center for Human Genome Research

Dr. Jane L. Peterson  
Chief, Mammalian Genomics Branch

*"In recognition of your creative and effective leadership of the Human Genome Centers Program of the National Center for Human Genome Research."*

James C. Vennetti  
Executive Officer

*"In recognition of your creativity, diligence and perseverance in meeting extraordinary and unprecedented challenges involved in setting up the intramural program of NCHGR."*

#### Personnel Management Section and Administrative Management Section, Office of Administrative Management

Anita L. Brooks, Administrative Officer  
Mary Glynn, Personnel Officer  
Linda Jacobson, Administrative Officer  
Sandra Means, Administrative Officer  
Janis V. Thurman, Personnel Management Specialist

Shelley J. Woods, Personnel Clerk

*"In recognition of your competence, resourcefulness, and responsiveness in providing administrative and personnel services required to establish the Division of Intramural Research, NCHGR."*

#### National Center for Research Resources

Ricardo V. Dreyfuss  
Photographer (Scientific and Technical)  
Photography Section  
Medical Arts and Photography Branch

*"For photographic excellence in the service of science and the National Institutes of Health."*

#### National Heart, Lung, and Blood Institute

Shirley Agnew

Secretary

Devices and Technology Branch

Division of Heart and Vascular Diseases

*"In recognition of your exceptional contributions in administrative support of the NIH biomaterials and bioengineering research studies."*

Iola A. Linscott

Secretary to the Director

*"For your superior contributions, commitment, and professionalism in the administrative management of the National Heart, Lung, and Blood Institute."*

Dr. Vincent Manganiello  
Chief, Biochemical Physiology Section  
Laboratory of Cellular Metabolism  
Division of Intramural Research

*"For continuing to advance significantly the understanding of structure, function, and regulation of cyclic nucleotide phosphodiesterases and their role in the antilipolytic action of insulin."*

Craig N. Miller

Administrative Clerk

Division of Extramural Affairs

*"For a long and dedicated commitment to the mission of the National Heart, Lung, and Blood Institute and the National Institutes of Health."*

Dr. Stephen C. Mockrin  
Associate Director  
Arteriosclerosis, Hypertension, and Lipid Metabolism Program

Division of Heart and Vascular Diseases

*"For superior leadership, resourcefulness, and innovative approaches in developing and managing National Heart, Lung, and Blood extramural programs in molecular medicine and molecular genetics."*

Marjorie Suttora

Secretary, Office of the Director

Division of Heart and Vascular Diseases

*"In recognition of your exceptional contributions in technical and clerical support to the National Heart, Lung and Blood Institute."*

**(Continued from Page 5)**

Mona D. Thompson  
Grants Technical Assistant  
Grants Operations Branch  
Division of Extramural Affairs

*"In recognition of your contribution to the grants technical assistant field and efforts toward the efficient functioning of NHLBI and NIH."*

**National Institute on Aging**

Dr. Paul T. Costa, Jr.  
Chief, Laboratory of Personality and Cognition  
Intramural Research Program  
Gerontology Research Center

*"For distinguished contributions to the quantitative definition of personality and to the assessment of personality changes in disease states."*

Claudia Feldman  
Head, Public Affairs Cluster  
Public Information Office  
Office of the Director

*"In recognition of your outstanding leadership, creativity, and imagination as the head of the public affairs group within the Public Information Office of the NIA."*

**National Institute on Alcohol Abuse and Alcoholism**

Marlene Hendriks  
Secretary to the Director  
Office of the Director

*"In recognition of her outstanding dedication and commitment in serving as secretary to the director of the National Institute on Alcohol Abuse and Alcoholism."*

Jane C. Lockmuller  
Technical Publications Writer/Editor  
Office of Scientific Affairs  
Scientific Communication Branch

*"For outstanding contributions to writing and producing the Eighth Special Report to the U. S. Congress on Alcohol and Health."*

Dr. Margaret E. Mattson  
Staff Collaborator  
Division of Clinical/Prevention Research

*"In recognition of consistently superior scientific accomplishments in clinical trials on the treatment of alcohol abuse and alcoholism."*

David G. Orchard  
Chief, Management Analysis and Support Branch  
Office of Planning and Records Management  
*"For exemplary leadership in the reorganization and relocation of the National Institute on Alcohol Abuse and Alcoholism."*

Dr. Forrest F. Weight, Jr.  
Chief, Laboratory of Molecular and Cellular Neurobiology  
Division of Intramural Clinical and Biological Research

*"In recognition of highly significant achievements in directing research investigations on the molecular neurobiology of alcohol."*

**National Institute of Allergy and Infectious Diseases**

Dr. Penelope J. Hitchcock  
Chief, Sexually Transmitted Diseases Branch  
Division of Microbiology and Infectious Diseases

*"For leadership in conceiving and advancing bold new initiatives in sexually transmitted disease research."*

Dr. Margaret I. Johnston  
Associate Director  
Basic Research and Development Program  
Division of Acquired Immunodeficiency Syndrome

*"In recognition of inventive and outstanding scientific leadership in redesigning and directing the Basic Research and Development Program of the Division of AIDS."*

Dr. Jane F. Kinsel  
Assistant Director for Special Projects  
Division of Microbiology and Infectious Diseases

*"For leadership in developing a fiscally secure administrative plan for the U.S.-Japan Cooperative Medical Science Program."*

Dr. Philip M. Murphy  
Medical Officer  
Laboratory of Host Defenses

*"In recognition of critical work in the characterization of the structure, function and molecular evolution of human chemokine receptors."*

Roger E. Pellis  
Deputy Executive Officer  
Office of Administrative Management  
Office of the Director

*"In recognition of outstanding leadership in developing, organizing, and implementing the NIAID Ethics Training Program and other administrative projects."*

Dr. Mary Ann Robinson  
Supervisory Microbiologist  
Laboratory of Immunogenetics

*"In recognition of studies defining genetic differences in human T cell receptor genes and correlation of these differences to disease susceptibility."*

Dr. David L. Sacks  
Microbiologist  
Laboratory of Parasitic Diseases  
Immunology and Cell Biology Section

*"In recognition of highly innovative research on the biology and epidemiology of leishmaniasis."*

**National Institute of Arthritis and Musculoskeletal and Skin Diseases**

Margaret S. Kerza-Kwiatecki  
Chief, Financial Management Branch  
Office of Administrative Management  
Office of the Director

*"In recognition of your extraordinary, dedicated service to NIAMS and NIH as acting executive officer, NIAMS, for extended periods in both 1992 and 1993."*

Dr. Michael D. Lockshin  
Director  
Extramural Program

*"In recognition of exceptional leadership and skill in directing the Extramural Program of the National Institute of Arthritis and Musculoskeletal and Skin Diseases."*

**National Institute of Child Health and Human Development**

Dr. Donald McNellis  
Special Assistant for Obstetrics  
Pregnancy and Perinatology Branch  
Center for Research for Mothers and Children

*"In recognition of your superb leadership in initiating and overseeing a multicenter trial on the use of ultrasound for routine antenatal diagnostic imaging."*

Dr. Lynnette K. Nieman  
Research Medical Officer and Deputy Clinical Director

Office of the Clinical Director  
Division of Intramural Research  
Head, Unit on Reproductive Medicine  
Developmental Endocrinology Branch  
*"For major contributions to our understanding of female reproductive biology, and to the development of the clinical research and training programs at NICHD."*

Michael H. Rosenthal  
Personnel Officer  
Office of the Director  
Office of Administrative Management  
*"For your exceptional service and leadership in personnel management support of research programs and staff of the National Institute of Child Health and Human Development."*

**National Institute on Deafness and Other Communication Disorders**

William David Kerr  
Executive Officer  
*"In recognition of your sustained excellence in leadership, resourcefulness, and innovative approaches that have been essential to the development of the NIDCD."*

**National Institute of Dental Research**

Brent M. Jaquet  
Director, Office of Planning, Evaluation and Communications  
*"In recognition of superb coordination, management, and support to the Blue Ribbon Panel for Envisioning the Future of the Intramural Research Program."*

Dr. Albert Kingman  
Mathematical Statistician  
Epidemiology and Oral Disease Prevention Program  
*"For outstanding leadership and resourcefulness in the design, planning and implementation of the NIDR Amalgam Study."*

**National Institute of Diabetes and Digestive and Kidney Diseases**

Valerie D. Green  
Administrative Assistant  
*"In recognition of your consistently outstanding performance and innovation in the management of the personal property system of NIDDK."*

Dr. Ann A. Hagan  
Deputy Chief, Review Branch  
Division of Extramural Activities  
*"In recognition of your outstanding leadership and innovation in developing new methods to streamline tracking and reports in support of peer review."*

Dr. Joan T. Harmon  
Chief, Diabetes Research Section  
Division of Diabetes, Endocrinology and Metabolic Diseases  
*"In recognition of outstanding leadership in the search for the genes causing diabetes mellitus."*

Denise H. Payne  
Grants Technical Assistant  
Grants Management Branch  
Division of Extramural Activities  
*"In recognition of exceptional initiative and dedication in implementing the NIH Revitalization Act of 1993 in relationship to NRSA service payback requirements."*

Alice J. Wofford  
Lead Grants Technical Assistant  
Division of Diabetes, Endocrinology and Metabolic Diseases  
*"In recognition of your commitment and service in advancing research on gene and other new therapies for cystic fibrosis and other genetic diseases."*

#### National Institute on Drug Abuse

Robin I. Kawazoe  
Deputy Director  
Office of Science Policy, Education and Legislation  
*"In recognition of your outstanding contributions to formation of national drug abuse policy and scientific planning."*

Dr. Rita P. Liu  
Scientific Review Administrator  
Office of Extramural Program Review  
Basic Sciences Review Branch  
*"In recognition of your sustained dedication and effective management of DABR biochemistry subcommittee and special review committees."*

Arnold R. Mills  
Public Health Advisor  
Community Research Branch  
*"In recognition of outstanding contributions and efforts to the NIDA/AIDS/HIV Prevention Research and Minority Research Career Programs."*

#### National Institute of Environmental Health Sciences

Tommy L. Jones  
Maintenance Mechanic Supervisor  
Facilities Engineering Branch  
*"For superb leadership, resourcefulness, and innovative approaches in managing the maintenance and operations section of the Facilities Engineering Branch, National Institute of Environmental Health Sciences."*

Dr. John A. McLachlan  
Director, Division of Intramural Research  
Chief, Laboratory of Reproductive and Developmental Toxicology  
Division of Intramural Research  
*"In recognition of your superb leadership and resourcefulness, and innovative approaches in reorganizing the Division of Intramural Research, National Institute of Environmental Health Sciences."*

Alvin L. Wade, Jr.  
Personnel Officer  
Office of Management  
Personnel Management Branch  
*"For sustained exemplary performance and dedication in providing comprehensive personnel management support and guidance to the National Institute of Environmental Health Sciences."*

#### National Institute of General Medical Sciences

Ann J. Dieffenbach  
Supervisory Public Affairs Specialist  
Office of Research Reports  
Office of the Director  
*"In recognition of your exemplary leadership skills, resourcefulness, and creative approaches towards enhancing public information activities in the area of basic biomedical research."*

Peter Johnson  
Supply Technician (Inventory)  
Administrative Services Section  
Office of Administrative Management  
Office of the Director  
*"In recognition of your commitment and contributions towards providing exceptional personal property management services in a consistently conscientious and friendly manner."*

Dr. Helen R. Sunshine  
Supervisory Health Scientist Administrator  
(Biological Sciences)  
Office of Review Activities  
Office of the Director  
*"In recognition of your demonstrated exceptional leadership and management of grant review activities at the National Institute of General Medical Sciences, National Institutes of Health."*

#### National Institute of Mental Health

Mary F. Curvey  
Program Specialist  
Office of the Director  
Division of Neuroscience and Behavioral Science  
*"In recognition of outstanding creativity and leadership of the Small Business Innovation Research Program."*

Karen L. Kemp  
Program Assistant (Office Automation)  
Executive Office  
*"In recognition of your mastery of the skills and knowledge required to represent the highest standards of professionalism."*

Dr. Henry Khachaturian  
Chief, Neurotransmission/Neuroregulation Program  
Division of Neuroscience and Behavioral Science  
*"In recognition of outstanding leadership and creativity in guiding the Molecular and Cellular Neuroscience Research Branch during a difficult period of transition."*

Jean H. Murphy  
Assistant Clinical Director (Psychiatric Nurse)  
Division of Intramural Research Programs  
*"For innovative program development and outstanding administrative performance."*

Camille Peake  
Grants Program Assistant  
Behavioral, Cognitive, and Social Processes Research Branch  
Division of Neuroscience and Behavioral Science  
*"For exceptional dedication and excellence during a period of organizational change and staff shortage."*

#### National Institute of Neurological Disorders and Stroke

Rowena M. Ahern  
Information/Exhibit Assistant  
Office of Scientific and Health Reports  
*"In recognition of initiatives facilitating communication of NINDS programs to the neurological community and the public in a most timely and cost effective manner."*

Dr. David M. Asher  
Medical Officer (Research)  
Laboratory of Central Nervous Systems Studies  
Division of Intramural Research  
*"For adapting molecular biological techniques to medical virology, improving our understanding of chronic diseases of the nervous system and of hemorrhagic fevers."*

Dr. Milton W. Brightman  
Section Chief, Laboratory of Neurobiology  
Division of Intramural Research  
*"For addressing innovative, practical and important questions fundamental to improving technology for the therapeutic transport of brain tissue and for regrowth of injured brain."*

Dr. Richard H. Quarles  
Acting Chief, Laboratory of Molecular and Cellular Neurobiology  
Chief, Myelin and Brain Development Section  
*"For exceptional basic and clinically related research on glycoconjugates associated with myelin and superb leadership of the Laboratory of Molecular and Cellular Neurobiology."*

Dr. Judith R. Walters  
Chief, Neurophysiological Pharmacology Section, Experimental Therapeutics Branch  
*"For research on the neuropharmacology and neurophysiology of dopamine in the basal ganglia."*

#### Office of Research Services

Juanita M. Mildenberg  
Assistant Director  
Facilities Planning and Programming Branch  
Division of Engineering Services  
*"In recognition of sustained excellence and exemplary leadership in managing and directing the development of multiple facility planning initiatives for the National Institutes of Health."*

Capt. Robert A. Zoon  
Deputy Branch Chief  
Radiation Safety Branch  
Division of Safety  
*"For exceptional contributions to the efficiency of the radioisotope procurement and delivery program, which directly enhance and ensure the continued success of NIH research efforts."*

**(Continued from Page 7)**

**Office of the Director**

Lillian A. Ashley  
Secretary

Office of Animal Care and Use  
Office of Intramural Research

*"In recognition of invaluable successes in managing the vital administrative support for the NIH Office of Animal Care and Use."*

Judith C. Blaha  
Personnel Officer  
Office of Management

*"In recognition of outstanding leadership, resourcefulness and creativity in providing personnel services to employees of the Office of the Director."*

Joan D. Brogan  
Chief, Affirmative Employment and Programs Branch, Office of Equal Opportunity

*"In recognition of outstanding leadership in administering the Affirmative Employment and Programs Branch and creativity in providing oversight to the special emphasis programs."*

Sharrell S. Butler  
Chief, Program Planning and Evaluation Branch, Office of Equal Opportunity

*"In recognition of extraordinary leadership in coordinating and supporting the Equal Employment Opportunity Commission's onsite review of the NIH equal opportunity programs."*

Donald C. Coulter  
Purchasing Agent  
Acquisitions Branch D  
Division of Procurement

*"In recognition of your professionalism in the acquisition of federal information processing resources for the National Institutes of Health under the scientific engineering workstations procurement."*

James E. Dickerson  
Motor Vehicle Operator  
Division of Logistics  
Office of Administration

*"In recognition of your dependability, personal loyalty, dedication and professionalism as a motor vehicle operator in the Division of Logistics."*

Anita L. Harris  
Program Analyst  
Division of Strategic Evaluation  
Office of Strategic Planning and Evaluation  
Office of Science Policy and Technology Transfer

*"For your outstanding effort, commitment and leadership in providing support to the NIH Reunion Task Force."*

Linda S. Jackson  
Program Coordinator  
Office of AIDS Research

*"For your commitment to promoting NIH research results to improve the quality of care and life of individuals affected by the HIV/AIDS pandemic."*

Barbara Menick  
Secretary  
Office of Disease Prevention

*"In recognition of the extraordinary skill, knowledge and creativity in advancing the operational support for the programs of the Office of Disease Prevention."*

Edith Miles  
Secretary  
Office of AIDS Research

*"For demonstrating unique and exceptional ability, judgment, discretion, and dedication in making a special contribution to the work of the NIH Office of AIDS Research."*

Dr. Jacques Rossouw  
Visiting Scientist  
National Heart, Lung, and Blood Institute  
*"In recognition of the extraordinary skill, scientific rigor, and dedicated effort in developing and implementing the Clinical Trial/Observational Study of the Women's Health Initiative."*

Dr. Jeffrey J. Sich  
Assistant Director for Educational Programs  
Office of Intramural Research  
*"In recognition of outstanding contributions to the development of science education programs at the NIH."*

Dr. James F. Taylor  
Director, Office of Animal Care and Use  
Office of Intramural Research  
*"In recognition of outstanding service in support of the NIH goal to achieve full accreditation by the American Association for Accreditation of Laboratory Animal Care."*

**Office of the Director Group**  
Dr. Carlos E. Caban, Director, Extramural Programs Management Office, Office of Extramural Research  
Dr. Judith H. Larosa, Deputy Director, Office of Research on Women's Health  
Dr. Belinda P. Seto, Minority Health Coordinator, Office of Research on Minority Health  
*"In recognition of superior service in developing the NIH Guidelines on Inclusion of Women and Minorities as Subjects in Clinical Research."*

**Office of the Director Group**  
Donald E. Clark, Chief, Office of Grants and Contracts (NICHD)  
Diana L. Jaeger, Assistant Grants Policy Officer (OD)

Lauren D. Neumann, Grants Management Specialist (NCI)  
Dr. Samuel C. Rawlings, Chief, Behavioral and Neurosciences Review Section (DRG)  
Dr. Walter T. Schaffer, Director, Research Training and Special Programs (OD)  
Carol L. Tippery, Grants Management Officer (NIGMS)  
Barbara C. Wassell, Management Analyst (DRG)

*"For outstanding leadership in the revision and improvement of NIH/PHS research grant and fellowship applications which will ultimately improve the quality of grants administration."*

**PHS Commissioned Corps Awards**

**Meritorious Service Medal**

The PHS Meritorious Service Medal is the second highest Commissioned Corps Honor Award granted to an officer. It recognizes a single, particularly important achievement; a career notable for accomplishments in technical or professional fields, or unusually high quality and initiative in leadership.

**Division of Computer Research and Technology**

Capt. David Rodbard  
Director

*"For revitalizing DCRT's support of the NIH/PHS/DHHS mission and administration through peer review, strategic planning, reorganization, enhanced cost-effectiveness, patronage of supercomputing, networking and computational biosciences."*

**National Cancer Institute**

Capt. John Donovan  
Director  
Office of Laboratory Animal Science  
*"For the discovery of the murine model for Helicobacter pylori."*

Capt. Charles E. Land  
Health Statistician, Radiation Epidemiology Branch, EBP

Division of Cancer Etiology  
*"For innovative and far-reaching contributions to the epidemiology of radiation carcinogenesis."*

Capt. David Nelson  
Chief, Immunophysiology Section  
Division of Cancer Biology, Diagnosis, and Centers  
*"For work with serum interleukin-2 receptors and treatment-T-cell leukemia."*

**National Eye Institute**

Capt. Robert Nussenblatt  
Director  
Division of Intramural Research  
*"For treatment of intraocular inflammatory disease."*

**National Heart, Lung, and Blood Institute**

Capt. Richard Cannon  
Chief, Cardiac Catheterization Section  
Cardiology Branch  
*"For continued contributions to furthering our understanding of the mechanisms responsible for angina in the absence of epicardial coronary disease."*

Capt. James I. Cleeman  
Coordinator, National Cholesterol Education Program  
Office of Prevention, Education and Control  
*"For outstanding leadership of the National Cholesterol Education Program and its highly successful efforts to improve control of high blood cholesterol in the United States."*

Capt. Carl A. Roth  
Deputy Director  
Office of Program Planning and Evaluation  
*"For sustained exceptional service and innovative leadership in development and conduct of analysis and evaluation activities of benefit to the National Heart, Lung, and Blood Institute and the National Institutes of Health."*

## National Institute of Child Health and Human Development

Capt. Gordon B. Cutler, Jr.  
Head, Developmental Endocrinology Section  
Developmental Endocrinology Branch  
Division of Intramural Research  
*"For outstanding contributions to our understanding and treatment of endocrine diseases of childhood, and exceptional leadership of his section."*

## National Institute on Drug Abuse

Capt. Edward J. Cone  
Chief, Chemistry and Drug Metabolism  
Laboratory, Addiction Research Center  
*"For the chemical investigation of pharmacologic effects of drug abuse and exposure."*

## National Institute of Diabetes and Digestive and Kidney Diseases

Capt. Bruce Weintraub  
Chief, Molecular and Cellular Endocrinology Branch  
*"For research and development of recombinant human thyrotropin, a major advance in the treatment of thyroid cancer."*

## National Institute of Neurological Disorders and Stroke

Capt. Henry F. McFarland  
Acting Chief, Neuroimmunology Branch  
Division of Intramural Research  
*"For discoveries relating to the course and natural history of multiple sclerosis and for developing new approaches for the treatment of patients with this disease."*

Capt. Dale E. McFarlin (deceased)  
Chief, Neuroimmunology Branch  
Division of Intramural Research  
*"For contributions to understanding the natural history, pathogenesis and diagnosis of multiple sclerosis using magnetic resonance imaging to detect latent brain pathology."*

## Outstanding Service Medal

The PHS Outstanding Service Medal is presented to commissioned officers who have demonstrated outstanding continuous leadership in carrying out the mission of the Public Health Service, performed a single accomplishment that has had a major effect on the health of the nation, or performed a heroic act resulting in the preservation of health or property.

## Clinical Center

Capt. Gladys Campbell  
Chief, Heart, Lung, and Blood Nursing Service  
Nursing Department  
*"For contributions to the research mission of the Public Health Service."*

Cdr. Carol Romano  
Director, Clinical Systems and Quality Improvement  
Nursing Department  
*"For outstanding contributions in support of the advancement of women at NIH."*

## Division of Research Grants

Capt. Galen B. Warren  
Scientific Review Administrator  
International and Cooperative Projects Study Section  
*"For extraordinary commitment and exemplary contributions in conducting the peer review evaluation of new training grant initiatives in minority international health research."*

## National Cancer Institute

Cdr. James F. Battey  
Chief, Molecular Structure Section  
Laboratory of Biological Chemistry  
Division of Cancer Treatment  
*"For the definition of the molecular structure and relevance to development and disease of human bombesin peptide receptors."*

Cdr. Linda Brown  
Expert Research Officer/Epidemiologist  
Epidemiology and Biostatistics Program  
Biostatistics Branch  
Division of Cancer Etiology  
*"For outstanding continuous leadership in efforts to determine reasons for the excess rates of esophageal cancer in Black Americans."*

Capt. James Goedert  
Chief, AIDS and Cancer Section  
Viral Epidemiology Branch  
Division of Cancer Etiology  
*"For establishing and analyzing data from the International Registry of HIV-Exposed Twins, which proved that most mother-to-infant HIV transmission occurs during birth."*

Capt. Donald Henson  
Program Director  
Early Detection Branch  
*"For publishing standard histopathologic criteria for the diagnosis and reporting of pre-neoplastic changes and early cancerous lesions, which has stimulated clinical and basic research in these areas."*

Capt. O. Wesley McBride  
Chief, Cellular Regulation Section  
Laboratory of Biochemistry  
Division of Cancer Biology, Diagnosis, and Centers  
*"For a sustained and pioneering leadership role in the development and application of techniques for chromosome mapping of human genes."*

Capt. Edward Sausville  
Chief, Laboratory of Biological Chemistry  
Division of Cancer Treatment  
*"For research in therapeutic products - treatment of human malignancy."*

## National Heart, Lung, and Blood Institute

Cdr. Neal Epstein  
Co-Chief, Inherited Cardiovascular Disease Section, Cardiology Branch  
*"For contributions to understanding the connections between cardiac and skeletal muscle disease in hypertrophic cardiomyopathy."*

Capt. Richard R. Fabsitz  
Senior Collaborative Research Investigator  
Division of Epidemiology and Clinical Application  
*"For initiating studies to investigate cardiovascular diseases and community based prevention of obesity in American Indians."*

Capt. Jeffrey Hoeg  
Chief, Cell Biology Section  
Molecular Disease Branch  
*"For research in lipoprotein metabolism and study of atherosclerosis."*

Cdr. Eleanor Schron  
Scientific Project Officer  
Clinical Trials Branch  
*"For the direction and management of cardiovascular clinical trials."*

## National Institute of Allergy and Infectious Diseases

Capt. John E. Bennett  
Head, Clinical Mycology Section  
Laboratory of Clinical Investigation  
*"For internationally acknowledged leadership and contributions to infectious disease, clinical practice, teaching and investigation."*

Capt. William Blackwelder  
Chief, Biometry Section  
*"For clinical trials of pertussis vaccines and epidemiologic investigations."*

## National Institute of Dental Research

Cdr. Joseph L. Bryant  
Chief, Animal Care Unit  
Intramural Research Program  
*"For outstanding leadership in providing state-of-the-art animal care, important collaborative contributions to biomedical research, and independent organization and planning of several research facilities."*

Capt. James A. Lipton  
Special Assistant for Scientific Development  
Epidemiology and Oral Disease Prevention Program  
*"For outstanding leadership in dental research, planning, evaluation and implementation."*

Capt. Phillip Swango (retired)  
Dental Epidemiologist  
Epidemiology and Oral Disease Prevention Program  
*"For sustained scientific, technical and professional excellence in the development, conduct and communication of dental public health research and training programs."*

**(Continued from Page 9)**

**National Institute of Diabetes and Digestive and Kidney Diseases**

Capt. Reed Wickner  
Chief, Genetics of Simple Eukaryotes Section  
Laboratory of Biomedical Pharmacology  
*"For research of RNA viruses-mechanism of replication and expression."*

**National Institute on Drug Abuse**

Capt. Jack D. Blaine  
Chief, Treatment Research Branch  
Division of Clinical Research  
*"For leadership in the field of drug abuse and dependence diagnosis and treatment."*

Cdr. Bennett W. Fletcher  
Research Psychologist  
*"For sustained and outstanding leadership in establishing and coordinating treatment research programs and for major contributions to the field."*

**National Institute of General Medical Sciences**

Capt. Lee Van Lenten  
Chief, Physiological Sciences Section  
Biophysics and Physiological Sciences Program Branch  
*"For superb leadership and consistent exemplary service in administering both training programs for physician-scientists and research programs in the areas of burn and trauma."*

**National Institute of Mental Health**

Cdr. William Narrow  
Research Psychiatrist  
Epidemiology and Psychopathology Research Branch  
Division of Epidemiology Services  
*"For landmark research on the use of services by persons with disorders."*

Capt. Margaret T. Roper  
Mathematical Statistician  
Mental Health Clinical Research  
Division of Epidemiology and Services Research  
*"For exemplary performance in the planning and conduct of complex statistical analyses which significantly advance the classification and diagnosis of mental disorders."*

Capt. Norman Rosenthal  
Chief, Environmental Psychiatry Section  
Clinical Psychiatry Branch  
*"For contributions in clinical and basic research on the brain and behavior."*

**Office of the Director**

Capt. Alan Sandler  
Director, Office of Human Subjects Research  
Office of Intramural Research  
*"For promoting ethical standards for research involving human subjects."*

**Outstanding Unit Citation**

The PHS Outstanding Unit Citation is presented to officers who exhibit superior service toward achieving the goals and objectives of the PHS. This award requires the performance of exceptional service of national

or international significance. It may be granted to one or more officers who are members of a unit that includes civilians who are recognized with the appropriate civilian award.

**National Cancer Institute**

*Pharmaceutical Management Branch, CTEP  
Division of Cancer Treatment*  
Capt. Alfred Fallavollita  
Cdr. Raymond F. Greene  
Cdr. Joseph L. High  
Cdr. Carl W. Huntley  
Lcdr. Michael J. Montello  
Cdr. Jan Morgan  
*"For outstanding initiative, dedication and performance in the development and operation of the Treatment Referral Center and three Taxol protocols for ovarian and breast cancer."*

**National Institute on Drug Abuse**

*Community and Professional Education Branch Group*  
Capt. Avraham Forman  
*"For creativity, innovation, and effectiveness in conceptualizing, implementing, and launching the public affairs campaign, 'Get High, Get Stupid, Get AIDS.'"*

(Civilian member of the group given a civilian award)

**NIH Equal Opportunity Awards**

**Harvey J. Bullock, Jr. Award for Equal Opportunity Achievement**  
This award honors an individual who has demonstrated outstanding efforts and achievements in furthering equal opportunity at NIH.

Robert J. Harr  
Biological Laboratory Technician  
Laboratory of Microbial Ecology  
National Institute of Dental Research  
*"For your active participation and significant contributions to EEO and the disabled community at the National Institute of Dental Research and National Institutes of Health."*

**NIH Equal Employment Opportunity Award of the Year**  
This award recognizes an individual who has clearly excelled in actively and effectively furthering equal employment opportunity within NIH.

Cynthia D. Vantries  
Personnel Management Specialist  
Personnel Management Branch  
Office of the Director  
National Cancer Institute  
*"For demonstrated leadership in maximizing opportunities for minorities, women and disabled individuals and building a cooperative, effective work team."*

The following NIH recipients were approved by the NIH director to receive the 1994 PHS Commendation Medal and the Unit Commendation Medal. These awards are presented at the ICD level.

**PHS Commendation Medal**

**Clinical Center**  
Capt. Alberta Bourn  
Lcdr. Linda Brohy  
Cdr. John Tuskan  
Capt. Thomas Dorworth  
Cdr. Josephine Divil  
Lcdr. Laura Chisholm  
Cdr. Nanette McAtee  
Lcdr. Sheryl Meyers  
Cdr. Timothy Ames  
Lcdr. Diane Ruby  
Cdr. Jeremiah King

**National Cancer Institute**  
Cdr. Ruthann Giusti  
Lcdr. Laurie Herscher  
Capt. Gary Kelloff  
Cdr. Malcolm Smith  
Cdr. Edward Timble  
Capt. Robert Esterhay  
Lcdr. Leonard Wexler

**National Eye Institute**  
Capt. Frederick Ferris

**National Heart, Lung, and Blood Institute**  
Cdr. Diane Bild  
Cdr. Carl Ohata  
Capt. Peter Wilson

**National Institute on Aging**  
Capt. James Cooper  
Cdr. Arthur Schaerdel

**National Institute on Alcohol Abuse and Alcoholism**  
Cdr. Alan Chedster

**National Institute of Child Health and Human Development**  
Lcdr. Lawrence Nelson  
Cdr. Robert Nugent  
Lcdr. Paul Love

**National Institute of Diabetes and Digestive and Kidney Diseases**  
Cdr. Charles Wells

**National Institute on Drug Abuse**  
Lt. Paul Na

**National Institute of Environmental Health Sciences**  
Cdr. Jack Taylor

**National Institute of Mental Health**  
Lcdr. John Hsiao  
Cdr. Ellen Sidransky

**National Institute of Neurological Disorders and Stroke**  
Cdr. James Stables

**National Library of Medicine**  
Lcdr. R.P. Channing Rodgers

**Office of the Director**  
Capt. Stephen Potkay  
Cdr. Cheryl Seaman  
Lcdr. Glen Stonebraker

## PHS Unit Commendation

### Clinical Center

Lcdr. Shirley Bruce  
Capt. Gladys Campbell  
Cdr. Doris Clark  
Capt. Jean Jenkins  
Lcdr. Mary Kozma-Fornaro  
Capt. Lori Maciag  
Cdr. Carol Romano  
Cdr. Mary Tolbert

### National Center for Research Resources

Capt. John Bacher  
Cdr. Kathryn Bayne  
Cdr. Robert Carolan  
Cdr. Michael Eckhaus  
Cdr. Bernard Flynn  
Cdr. Victoria Hampshire  
Lcdr. Donna Jarrell  
Capt. Arthur O'Brien  
Lcdr. Janice Southers  
Lcdr. Ellen Wilson  
Lcdr. Axel Wolff

### National Institute of Allergy and Infectious Diseases

Cdr. Ernestine Smartt  
Capt. Peter Gergen

### National Institute of Mental Health

Lcdr. Edwina Bynum  
Cdr. Clifton Carr  
Lcdr. Steven Wolf

## FAES Plans Fall Classes

The FAES Graduate School at NIH announces the schedule of courses for the fall semester. The evening classes sponsored by the Foundation for Advanced Education in the Sciences will be given on the NIH campus.

Tuition is \$75 per credit hour, and courses may be taken for credit or audit. Courses that qualify for institute support as training should be cleared with the supervisors and administrative officers as soon as possible. Both the vendor's copy of the training form and the FAES registration card must be submitted at the time of registration.

Courses are offered in biochemistry, biology, biotechnology, chemistry, immunology, languages, medicine, microbiology, pharmacology, psychology, psychiatry, statistics, toxicology, administration and courses of general interest.

It is often possible to transfer credits earned to other institutions for degree work, and many courses are approved for AMA category I credit.

Classes will begin Sept. 19, mail registration ends Aug. 5, and walk-in registration will be held Sept. 7-13. Fall catalogs are available in the graduate school office in Bldg. 60, Suite 230; the Foundation Bookstore, Bldg. 10, Rm. B1L101; and the business office in Bldg. 10, Rm. B1C18. To have a catalog sent, call 6-7977. □



## TRAINING TIPS

The NIH Training Center, Division of Personnel Management, offers the following courses:

<i>Courses and Programs</i>	<i>Starting Dates</i>
<i>Management and Supervisory, 6-6371</i>	
Intro to Supervision	7/18
Federal Budget Process	7/26
Communication Strategies for Leaders	7/26
Managing Conflict in the Workplace	8/2
Attitudes: How They Affect Productivity	8/4
Report Writing	8/8
Time Management	8/10
Changing Tomorrow Today	8/11
Effective Listening and Memory Development	8/16
Projecting an Effective Executive Image	8/22

### *Office Operations and Administrative Systems Training, 6-6211*

Intro to Working at NIH for New Support Staff	7/21
Leadership and Management Skills	7/19
Motivating Yourself for Peak Performance	7/26
Basic Time and Attendance	7/19
Domestic Travel	7/18
Foreign Travel	7/27
Buying from Small and Large Businesses on the Open Market	8/1
Consolidated Purchasing Through Contracts	8/2
Federal Supply Schedules	8/3
IMPACT for Administrative Staff	8/8
IMPACT for Professional Staff	8/8
IMPACT A-Train (TMS)	7/14, 8/17

### *Science and Medical, 6-6211*

Intro to Scientific & Medical Editing	7/18
Advanced Scientific & Medical Editing	7/20

### *Special Courses, 6-6211*

NIH Retirement Seminar	7/11, 8/15
KSA Methodology Overview	8/18

## High Cholesterol Vols Needed

The Cardiology Branch, NHLBI, seeks male volunteers with cholesterol greater than 250 mg for an outpatient study. Participants should have no other medical problems. Volunteers will be paid. Call Cressie Kilcoyne, 6-8739. □

## DCRT Training Classes

Intro to the Helix Systems	7/6
Accessing the Human Resource Database for EEO	7/7, 8
Relational Database Overview	7/11
Macintosh Networking with TCP/IP	7/11
Using Netware at NIH	7/11
Genetic Analysis with Pedigree Drawing Programs for the Macintosh and PC	7/11
Scientific Data Analysis	7/12
A Look at DOS 6.0	7/12
COBOL/370 Conversion	7/13
DCRT Support for Unix Workstations at NIH	7/13
Using Image 1.53 for Densitometric Analysis of Gels	7/14
Preview of the SAS System for Windows	7/14
Using GOPHER	7/14
Database Technology Seminar	7/15
Mechano-Physical Properties of Protein Networks	7/18
MATLAB	7/18, 19
Unix Commands	7/19
FOCUS Query Language	7/20
PC Topic Session	7/20
Molecular Modeling with Insight II/Discover	7/20
SQL: The Language for Relational Databases	7/20-22

## The NIH Life Sciences Education Connection

Members of the Biomedical Research Advancement: Saturday Scholars (BRASS) clubs at three area high schools assembled for a "reunion" meeting June 4. Approximately 45 students from Whitman, Kettering and Browne middle schools attended the event, sponsored by the Office of Science Education Policy (OSEP) and hosted by Dr. Roland Nardone of Catholic University.

The students were alumni of the BRASS program, held on six consecutive Saturdays in the fall and spring at the Cloister, Bldg.

60. Students conducted laboratory experiments, interacted with NIH scientists and toured various facilities on campus. The

emphasis of the program is to get children actually doing science experiments as opposed to simply listening to others talk about science.

The reunion at Catholic University was the first opportunity for BRASS students from all participating middle schools to meet and get acquainted. The day began with a welcome from Dr. Bruce Fuchs, OSEP, and his challenge to the students to explain why a Diet Coke can placed in a beaker of water floats while a Coke Classic can sinks. The BRASS students solved this problem almost instantly (it's the sugar).

Students were then invited to describe the activities of their BRASS clubs during the spring semester. Following this "science sharing," the group adjourned to the laboratories where each student made a chromosome spread from prepared cells and looked at the karyotype under the microscope. They were thrilled to discover that essentially all of them obtained good slides (which they took back to their schools to share with their classmates) and could identify the different shapes of various chromosomes.

A picnic lunch on the grounds of CU preceded the day's final event—the award given to the student who had submitted the winning design in the logo contest.

## Chamber Music Concert Set

On Sunday, July 17 at 7:30 p.m., the Rock Creek Chamber Players will perform C.P.E. Bach's Quartet in G Major for flute, viola, cello and piano, and Dvorak's Quintet, Opus 77 for two violins, viola, cello and bass, as well as a 20th century work. The concert, to be held in the 14th floor assembly hall, Bldg. 10, under the sponsorship of the Clinical Center recreational therapy section, is free and open to all. For more information, call (202) 337-8710. □

## DCRT Summer Computer Courses and Seminars

DCRT's Computer Training Program summer term is just beginning. Through this program, DCRT offers NIH employees a wide range of courses and seminars at no cost.

The increasing importance of accessing and providing information services ranging from library systems to sequence data on the worldwide net is reflected in a number of presentations this summer. Accessing information will be demonstrated in three seminars, "Using Gopher," "Network Services," and "DCRT Library Information Systems." For those whose emphasis is moving from accessing information provided by others to making information available, there are three classes: "Constructing Mosaic Documents," "Setting Up and Operating a Gopher Server," and "LISTSERV Electronic Mailing Lists."

Four new seminars highlight different aspects of networking. "Using Netware at NIH" offers an introduction to the features of Novell networks. "Cross-Platform Computing" describes a variety of techniques for sharing information between IBM PCs and Macs, and "Network Security at NIH" gives details on how to recognize and avoid damage from the types of incidents that are occurring with increasing frequency.

Unix systems are increasingly popular among the scientific community at NIH. The new SGI Challenge XL System and the Convex supercomputer will be described in the revamped seminar, "Introduction to the Helix Systems," which will demonstrate the use of email, access to network services, and scientific applications. Other seminars in this area include "DCRT Support for Unix Workstations at NIH" and "Andrew File System for Advanced Laboratory Workstations."

### New Scientific Seminars

This summer, members of the DCRT scientific staff are giving six new scientific seminars. Dr. Robert Pearlstein is presenting "Introduction to Molecular Graphics," which is designed to be understandable by anyone who has a molecule to be studied. "Molecular Modeling with Insight II/Discover" is a more specialized small-group hands-on workshop being led by Sig Knisley. "Neural Networks for Everyone" by James DeLeo introduces neural network technology with emphasis on successful practical applications. "Scientific Data Analysis" is a one-session version of Dr. James Malley's series on recurrent problems in data analysis. Dr. Ralph Nossal is presenting "Mechano-Physical Properties of Protein Networks," and Dr. Peter Steinbach is demonstrating and showing practical applications of "Image Reconstruction via the Maximum Entropy Method."

The trend toward easier-to-use statistical software is reflected in four new seminars this summer. "Preview of the SAS System for Windows" introduces the Windows interface for the powerful and highly complex SAS

software. "SAS/JMP for the Macintosh" presents two aspects of JMP 2.0: "Statistics and Data Visualization" and "Experimental Design and Quality Controls." Several simpler packages that run under Windows (including MINITAB, SigmaStat, STATISTICA/w, and STATGRAPHICS) will be demonstrated in "Easy Statistical Software for Windows: Overview." A separate session entitled "Easy Statistical Software for Windows: Hands-On Lab" will allow students to try out one or more of these products with assistance from vendor representatives and DCRT consultants.

Developing and acquiring information from large databases are major functions of computing at NIH. The summer term will offer 12 different classes in this subject covering general concepts (e.g., "Relational Database Overview"), mainframe systems (i.e., DB2 and FOCUS), and access techniques for special groups (e.g., "QMF Access to Human Resource Data for Personnel Staff").

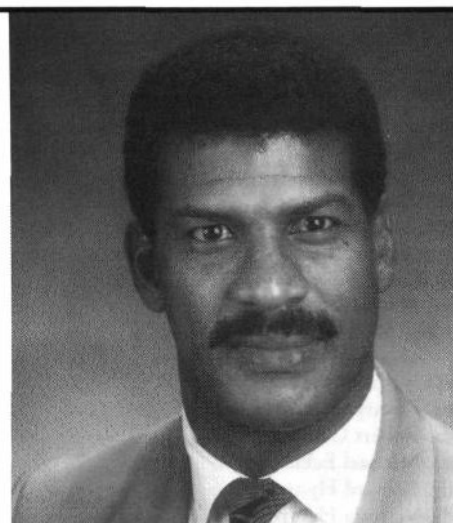
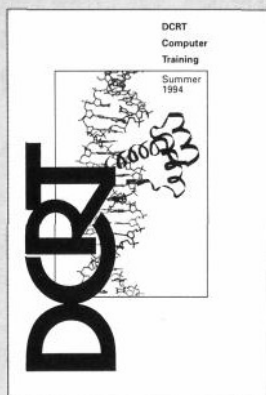
As always, courses and seminars in the DCRT program are free and available to all NIH employees and others who are registered users of DCRT systems. Full information on classes in the summer program is published in a brochure, *DCRT Computer Training*, which is available from the Training Program, Bldg. 12A, Rm. 1017, phone 4-DCRT (4-3278). The information is also available online from the NIH Gopher Server and via WYLBUR's ENTER TRAINING command. If you have any questions about classes or the program, call 4-DCRT.

### New Catalog Format Reflects DCRT Training Changes

The Summer 1994 edition of the *DCRT Computer Training* catalog has an enlarged format and a new design.

The familiar front cover photograph has been replaced with an image created on a Silicon Graphics Workstation of a protein/DNA complex based on crystal

structure. This change highlights the increasing number of scientific seminars in the program. Everyone on the mailing list should have received a copy of the new catalog. If you still need one, call 4-DCRT (4-3278) or stop by Bldg. 12A, Rm. 1017.



*Dr. Lawrence J. Prograis Jr., deputy director of the Division of Allergy, Immunology, and Transplantation, NIAID, recently received the Clemens von Pirquet Award from Georgetown University Medical Center for significant contributions to the field of allergy and immunology. He also delivered the 22nd Annual Clemens von Pirquet Lecture, which focused on "Asthma: The National Cooperative Inner City Study."*

### New Seminar Series Begins

The new NIH Interinstitute Interest Group Seminar Series kicks off Wednesday, July 13 with a lecture on "Bone Marrow, Cytokines, and the Pathophysiology of Osteoporosis." The seminar will be presented by Dr. Stavros Manolagas, professor of medicine and director, division of endocrinology and metabolism, University of Arkansas.

Manolagas is a leader in the field of steroids and their influence on bone metabolism. He is currently studying cytokines produced in the bone marrow and their regulation of bone formation and resorption.

His work with cytokines has been critical in unraveling the process of rapid bone loss in postmenopausal women that results in osteoporosis. Although Manolagas has focused on bone turnover, his work on the interrelationship of bone marrow stroma and blood cell development relates to many areas of research.

The seminar, sponsored by the hard tissue disorders group, will be held from 3 to 4 p.m. in Lipsett Amphitheater. For more information, contact Dr. Pamela Gehron Robey, 6-4563. □

### Volunteer Physicians Needed

Volunteer physicians are needed to work at La Clinica del Pueblo, 1470 Irving St., NW, a public health clinic serving the Washington, D.C., Latino community. Translators are provided, as is malpractice insurance. For more information, call Judith Goris, (202) 462-4788. □