

**DIRECTOR'S
STATUS REPORT
TO COUNCIL**

May 1999

National Institute on Aging

DIRECTOR'S STATUS REPORT

National Institute on Aging

May 1999

Table of Contents

Click on the [third](#) (bookmarks and pages) icon on the [Adobe toolbar](#) for hyperlinks

Budget and Appropriations	1
Legislative Update	2
Staff Changes	3
Institute-sponsored Meetings, Workshops, and Conferences and Public Information Activities	4
General Information	9
Requests for Applications/Proposals and Program Announcements	9
Budget Table	15

DIRECTOR'S STATUS REPORT

BUDGET and APPROPRIATIONS

The **FY 2000 President's Budget for NIA** (including AIDS) is \$614,717,000, an increase of 2.4 percent over the FY 1999 comparable estimate of \$600,326,000. Funding for AIDS related research increases from \$2,068,000 in FY 1999 to \$2,118,000 in FY 2000, an increase of 2.4 percent. Within the overall allocation, NIA has identified \$4,000,000 specifically for the NIH Area of Special Emphasis for the Biology of Brain Disorders. Initiatives within the research project grants and the research contract mechanisms would be applicable for this support.

The **FY 2000 President's Budget for NIH** (including AIDS) increases from \$15,612,386,000 in FY 1999 to \$15,932,786,000 in FY 2000, an increase of 2.1 percent. AIDS funding increases by 2.0 percent, from \$1,798,424,000 in FY 1999 to \$1,833,826,000 in FY 2000.

Overall Budget Policy

In order to fund a maximum number of competing research project grants, the FY 2000 President's Budget Request provides funds for competing RPGs at the same average cost level as FY 1999. Noncompeting RPGs will not receive inflationary increases. Stipend increases and full-time training positions for the National Research Service Awards program will remain at FY 1999 levels.

Research Project Grants

The FY 2000 President's Budget for NIA includes funding for 1,171 research project grants, compared to 1,247 and 1,066 in 1999 and 1998, respectively. Of these 1,171 awards, 387 will be competing research project grants and 784 will be noncompeting awards. In addition, the FY 2000 Request includes funding for 59 SBIR/STTR grants.

Other Mechanisms

Funding for the Centers, Other Research, and Training mechanisms will remain flat with the FY 1999 level. Research contracts will increase by 3.6 percent, reflective of increased funding for special emphasis initiatives. The 2.2 percent increase in Intramural Research will partially offset the 4.4 percent pay increase and other inflationary increases expected in FY 2000. To maximize funds for research, RMS increases by only 1.0 percent over the FY 1999 estimate, also to partially offset the 4.4 percent pay increase and other inflationary increases.

FY 2000 Senate and House Allowances

The Senate Appropriations Subcommittee hearing was held on February 23, 1999, and the House Appropriations Subcommittee hearing was held March 3, 1999. As of the date that this report was prepared, no information was available regarding the Senate or House Allowance. (Contact: Ms. Karyn Ross, FMISB, 301/496-9147)

LEGISLATIVE UPDATE

I. Significant Legislative/Regulatory Action

FOIA provision--update

On February 4, 1999, the Office of Management and Budget issued proposed regulations to implement a provision contained in the Fiscal Year 1999 Omnibus Appropriations law, which amended OMB Circular A-110, making research data produced under a Federal award or grant accessible under the Freedom of Information Act (FOIA). The proposed regulations would apply to data produced under Federal grants and used by the Federal government to develop policy or rules. Upon issuance of the proposed regulations, OMB announced a 60-day public comment period, which ended on April 5, 1999.

According to Dr. Wendy Baldwin, NIH Deputy Director for Extramural Research, OMB received over 10,000 comments, which included many in favor of the underlying law. Concerns expressed by those opposed were related to 4 issues: 1) harm to scientific effort, 2) privacy of research subjects, 3) intellectual property rights, and 4) financial and administrative burden. Since the issue is contentious, the OMB may decide to allow a second comment period. Dr. Baldwin anticipates having a final rule enacted by the end of the year.

II. Hearings, Briefings Congressional/Advocacy Organizations Visits

Electronic Town Hall Meeting with Congressman Peter Deutch (D-FL)

On February 24, Dr. Terrie Wetle participated in a televised electronic town hall meeting sponsored by Congressman Peter Deutch (D-FL), a member of the House Commerce Committee, on promoting healthy lifestyles for seniors. Dr. Wetle took questions from viewers and the Congressman on issues such as exercise, nutrition, and fall prevention. In her opening remarks, Dr. Wetle promoted the NIA exercise guide.

Courtesy Visit with Congressman Randy “Duke” Cunningham (R-CA)

On March 18, Dr. Hodes had a courtesy visit with Congressman Randy “Duke” Cunningham (R-CA), a new member of the House Appropriations Committee Subcommittee on Labor, Health and Human Services, and Education. Dr. Hodes reviewed the mission of the NIA and discussed projected aging demographics and recent significant aging research advances. Mr. Cunningham asked questions about the Institute’s Alzheimer’s disease research activities and inter-agency collaborations. He expressed interest in bringing Dr. Hodes to his district, San Diego, California, to appear at a town hall meeting.

Senate Special Committee on Aging Hearing on Caregiving

On Tuesday, March 23, the Senate Special Committee on Aging held a hearing on President Clinton’s proposed National Family Caregiver Support Program. The Secretary of the Health and Human Services Department, Dr. Donna Shalala testified and asked Dr. Hodes and Dr. Jeanette Takamura, Assistant Secretary for Aging, to join her at the witness table. According to the Secretary, this was the first time she had asked other Department officials to appear with her as witnesses. The Secretary’s testimony highlighted NIA Alzheimer’s disease research activities, specifically the NIA AD Prevention Initiative.

Briefing for Congressional Research Service Analysts

On April 7, Dr. Hodes, Dr. Richard Suzman, and Dr. Marcelle Morrison-Bogorad briefed three analysts from the Congressional Research Service (CRS), an organization that conducts policy research for members of Congress and their staffs. The three analysts, Mr. Steve Redhead, Ms. Pam Smith, and Ms. Carol O'Shaughnessy, cover aging and biomedical research, including Alzheimer's disease, issues at the CRS.

Courtesy Visit with Congresswoman Rosa DeLauro (D-CT)

On April 27, Dr. Hodes met with Congresswoman Rosa DeLauro (D-CT), a member of the House Appropriations Committee Subcommittee on Labor, Health and Human Services and Education. Dr. Hodes presented information on the NIA and reviewed recent significant aging research advances. He also discussed the work being done at the Yale University Older Americans Independence Center, which is located in the Congresswoman's district. Ms. DeLauro expressed an interest in visiting the center.

Courtesy Visit with Congressman Jesse Jackson, Jr. (D-IL)

On May 6, Dr. Hodes had a courtesy visit with Congressman Jesse Jackson, Jr. (D-IL), a new member of the House Appropriations Committee Subcommittee on Labor, Health and Human Services, and Education. At the meeting, Dr. Hodes highlighted the mission of the NIA and discussed projected aging demographics and significant aging research advances. In addition, Dr. Hodes discussed the ongoing minority aging research program review and asked for the Congressman's input. Mr. Jackson is interested in behavioral research and the role that the environment and education, particularly early education, can play in preventing cognitive decline later in life.

Briefing for Congressman Edward Markey (D-MA)

On May 13, Dr. Hodes briefed Congressman Markey and his staff, at their request, on NIA Alzheimer's disease research activities. Mr. Markey, a senior member of the House Commerce Committee, recently formed a bipartisan Congressional Task Force on Alzheimer's Disease. The purpose of the task force will be to educate other members of Congress and their staffs on AD and to raise public awareness.

STAFF CHANGES

New Clinical Director

Darrell R. Abernethy, M.D., Ph.D., was recently appointed as the new Clinical Director at the National Institute on Aging effective 4/1/99. Dr. Abernethy is a board certified internist and clinical pharmacologist and an authority on the management of hypertension in the elderly. He has served as Director of the Division of Clinical Pharmacology at Brown University and most recently at Georgetown University, where he also held an endowed chair and was Chief of the General Clinical Research Center. His research has focussed on the control of vascular tone by angiotensin, endothelin, and calcium and their inhibitors. In addition to his laboratory and clinical research work, he serves on the editorial board of a number of journals and is Associate Editor of Clinical Pharmacology and Therapeutics. He is the Chief of the Geriatrics Committee

of the U.S. Pharmacopeia and has served on advisory committees for the FDA and the Health Care Financing Administration. He has served as President of the American Society of Clinical Pharmacology and Therapeutics and as a member of the Clinical Pharmacology Executive Committee of the American Society for Pharmacology and Experimental Therapeutics. He is a Fellow of the American Association for the Advancement of Science and is Chairman of the Credentials Committee of the American Board of Clinical Pharmacology. We look forward to his leadership of our expanded efforts to translate laboratory findings to clinical practice. (Contact: Darrell R. Abernethy, M.D., Ph.D., 410-558-8611, abernethyd@grc.nia.nih.gov)

New NACA/Committee Management Staff:

The Office of Extramural Affairs welcomes the assistance of two new staff people: Denise Manouelian, Committee Management Officer, based at NIDDK, will provide committee management services. Jeannette Wilson has been appointed as NIA's Council Manager.

INSTITUTE-SPONSORED MEETINGS, WORKSHOPS, CONFERENCES AND PUBLIC INFORMATION ACTIVITIES

Meeting with Italian Research Association on Brain Aging

This meeting involving the Italian Research Association on Brain Aging (AIRIC) was held November 5-7, 1998, in conjunction with the annual meeting of the Society for Neuroscience (SFN). It was the sixth in a series sponsored by the National Institute on Aging to foster greater Italian-American informational exchange and collaboration in the neurobiology of aging. Similar to all past meetings, it was held in conjunction with the annual meeting of the Society for Neuroscience (SFN).

The meeting was attended by 13 Italian scientists from various institutions who are members of the AIRIC and 13 American scientists from various institutions. The program provided an overview of basic research related to the neurobiology of aging, including oxidative stress, neuronal death, neurodegenerative disease, nutritional and pharmacological intervention. The meeting generated considerable discussion, with several plans for collaboration proposed, primarily focusing on effects of oxidative stress on brain aging and possible nutritional interventions, including phytochemicals. Dr. Regino Perez-Polo, who is editor of the *International Journal of Developmental Neuroscience*, offered to publish submitted papers from the meeting as a special issue of the journal. Discussions are underway for organizing a meeting at the 1999 annual meeting of the SFN.

This meeting continues to be a highly useful forum for international exchange in an important area of gerontological research. Innovative research ideas are presented that generate future research, which has led to Italian-American collaborations. (Contact: Dr. Donald K. Ingram, GRC, 410-558-8178)

Conference Series

With funding from the German-American Academic Council, the NIA is cosponsoring with the Fraunhofer Institute for Biomedical Technology a series of conferences in Germany and the United States. The conferences are designed to foster synergy among basic and applied science

and among universities, government, and industry within the context of encouraging collaborative studies between German and American researchers. The first conference was devoted to "The Elderly: Their Health and Functioning" and took place in Schloss Dagstuhl (Saarland, Germany) on December 16-18, 1998. Among the topics reviewed were "Demographic Trends and Approaches of Care," "Health and Declining Functioning," "Telemedicine for the Elderly," and "Future Developments in Telecare, Technology, and Social Policy." The second conference is scheduled for May 23-25, 1999, at the University of Michigan, Ann Arbor, Michigan, and is entitled "Aging and Communication: Opportunities and Challenges of Technology." Topics to be covered include human factors, social context, language, sensory loss and social functioning, communication and culture, social cognition, new media for communication (e.g., Internet), and training to use communication technology. (Contact: Dr. Ronald Abeles, BSR, 301-594-5943).

International Year of Older Persons

The United Nations has designated 1999 as the International Year of Older Persons (IYOP). The year is intended to raise international awareness of the growing numbers of older people around the world and to draw attention to the major impact the shift in population age will have on societies. Countries around the world are observing the year. In the United States, President Clinton sent a message to the United Nations in support of the International Year of Older Persons. The United States Committee for the Celebration of the International Year of Older Persons 1999 was formed by national aging organizations in this country. A federal committee headed by the Administration on Aging and comprised of agencies government-wide, including NIA, is sponsoring a number of activities during the IYOP. On June 2, 1999, that committee will convene a conference on the NIH campus to examine the role of the federal government in planning for longevity. (Contact: Ms. Marta Welsh, OIA, 301-496-0767)

Resource Centers for Minority Aging Research (RCMAR) Meeting

On February 11 -13, 1999, NIA sponsored the second annual Investigators' meeting for the Resource Centers for Minority Aging Research (RCMAR). Forty-three investigators and NIA staff attended the meeting which was primarily devoted to two topics: (1) race/ethnic sensitive measurement development and (2) poster presentations and tutorials by 21 minority junior investigators. These researchers presented research plans, designs, and findings of the pilot research projects, one of the hallmarks of the RCMAR program. Plans for a GSA-sponsored pre-conference workshop on the recruitment and retention of minority subjects (which is planned jointly with the Pepper Centers) were also discussed. (Contact: Dr. Sidney Stahl, BSR, 301-402-4156)

World Health Day

World Health Day, observed on April 7, 1999 throughout the Americas with the theme "Active Aging Makes a Difference," focused on the challenges of an aging population. NIA joined the Pan American Health Organization, the American Association for World Health, the Centers for Disease Control and Prevention, and the Administration on Aging in calling for a "unified commitment to health promotion across the life span."

In Washington, U.S. Surgeon General Dr. David Satcher gave the keynote address at the U.S. observance of World Health Day, and a distinguished panel of experts on aging discussed the

U.S. initiative, "Healthy Aging, Healthy Living - Start Now. " Panelists included Terrie Wetle, Deputy Director, National Institute on Aging, Julia Alvarez, Ambassador of the Dominican Republic to the United Nations; Marta Larraechea de Frei, First Lady of Chile, and Jeanette Takamura, Administration on Aging. (Contact: Ms. Marta Welsh, OIA, 301-496-0767)

Interventions to Improve Adherence to Medical Regimens Among the Elderly

A small expert panel (6-8 outside experts and approximately 10 staff from sponsoring agencies) will meet to discuss the most promising intervention models that currently exist for improving compliance to prescribed medical regimens. The experts will review existing literature and identify gaps in knowledge. The meeting is scheduled for May 19, 1999 in Washington, D.C. (Contact: Dr. Marcia Ory, BSR, 301-402-4156)

Behavioral Change Benefits for Older Persons Meeting

This is a small expert panel (10-12 outside experts and approximately 10 staff from sponsoring agencies) to discuss what an evidence-based insurance benefit for a behavior change service might look like. The experts will review existing literature and identify gaps in knowledge. The meeting is scheduled for May 26, 1999 in Washington, D.C. (Contact: Dr. Marcia Ory, BSR, 301-402-4156)

Planned Meetings, Workshops, Conferences

Workshop: "Phytoestrogens and Healthy Aging: Gaps in Knowledge"

An NIA workshop on "Phytoestrogens and Healthy Aging: Gaps in Knowledge" funded by the Office of Dietary Supplements and the Office of Research on Women's Health, NIH will be held in Phoenix, AZ, from June 2-4, 1999. The goal of the workshop is to discuss future research directions based on past and current basic and clinical research results and the increasing use by older people of "phytoestrogens" as supplements or as foods to help alleviate health problems associated with aging. (Contact: Dr. Frank Bellino, BAP, 301-496-6402 or Dr. Sherry Sherman, GP, 301-435-3048).

Workshop: "Antioxidants, Signal Transduction, and Mitochondrial Functions"

An NIA workshop on "Antioxidants, Signal Transduction, and Mitochondrial Functions" funded by the Office of Dietary Supplements, NIH will be held in Bethesda July 14-16, 1999. The purpose of the workshop is to provide a critical overview of the current status of knowledge pertaining to the role of antioxidants and reactive and oxygen species in the modulation of signal transduction cascades and energy metabolism and to identify the currently unresolved issues whose elucidation would provide significant information about the mechanisms of aging, neurodegeneration, and possibly abnormal growth, including cancer. (Contact: Dr. Pamela Starke-Reed, BAP, 301-496-6402).

NIA/NCI Workshop on Comorbidity Assessment of Older Cancer Patients

(Natcher Building, Conference Room A, Bethesda, MD July 29-30, 1999)

The focus of the meeting is how best to document and evaluate the effects of comorbid conditions (e.g., current and previous illnesses, disabilities, and other age-related problems) likely to be present in older persons newly diagnosed with cancer. Appropriate and careful

comorbidity assessment will assist the diagnostic acumen of clinicians in patient management to enhance patient outcome. Workshop participants include geriatricians, oncologists, and other health professionals involved in research in cancer control, cancer clinical trials, assessment of the health of older persons, and patient care. (Contacts: Dr. Rosemary Yancik, GP; Ms. Winifred Rossi, GP, 301-496-5278)

The Neuroscience and Neuropsychology of Aging Program (NNA) plans to hold the following workshops later in 1999: **Workshop on Biological and Imaging Markers for Diagnosis and Progression of Alzheimer's Disease**, September 1999 and **Workshop on Genetics of Alzheimer's Disease and Related Dementias**, October or November 1999.

Symposium: Neurogenesis in Adult Brain

The Neuroscience and Neuropsychology of Aging Program has proposed a symposium on “**Neurogenesis in Adult Brain**” to be held on October 23, 1999, as an ancillary event to the 29th Annual Meeting of the Society for Neuroscience to be held in Miami Beach, Florida. Recent studies have found that new neurons are generated in brain regions (e.g., hippocampus) of adult and aged rodents, monkeys and humans. Challenging the old dogma, neurogenesis continues throughout the life span and is modulated by age, injury, environment, exercise, learning tasks and stress. Although neurogenesis in the adult and aging human brain may be limited, showing that it occurs opens the way to finding out how it can be enhanced. Moreover, the isolation and growth of neural stem cells from adult human brain could provide a source of cells for transplantation in neurodegenerative disorders. These cells can be genetically modified to express neurotrophic factors, neurotransmitters or other critical factors needed to effect brain repair. This symposium will highlight recent research on the modulation of adult brain neurogenesis. Modulation of intrinsic neurogenesis or transplantation of neural stem cells might lead to the replenishment of neurons lost through age, trauma, or disease. (Contact: Dr. Brad Wise, NNA, 301-496-9350)

Public Information Activities (Contact PIO at 301-496-1752)

Exercise: A Guide from the National Institute on Aging

The exercise book continues to be a popular and well-received publication. A third printing is making 112,000 new copies available. In addition, outside organizations have expressed an interest in printing the document – for example, William M. Mercer, Inc. printed 1,500 copies of the book to distribute at the Los Angeles County Employees Retirement Association's 1999 Health Fair. To further promote the availability of the exercise guide a new traveling exhibit booth has been developed. It was unveiled at this year's American Fitness Association meeting in New Orleans, LA.

Cooperative Effort

The Office of Communications and Public Liaison worked with the Alliance for Aging research and several other NIH Information Offices on *the Partnership for Long-Term Health for Women*. This effort includes a brochure, *You're In Charge* that provides an overview of some of the key health issues for post-menopausal women, a website developed by the National Council of Women's Organizations <http://www.womenleaders.org/pmhealth/>, and a toll-free information

line (1-877-PMHEALT(H)) sponsored by the National Women's Health Resource Center. This project is funded through the Lilly Centre for Women's Health.

Developments in Aging

In response to a request from the Senate Special Committee on Aging, the Office of Communications and Public Liaison prepared a review of advances in aging research reported by NIA scientists and grantees during 1997 and 1998. This was included in the Secretary of Health and Human Services' annual report to the Committee on the Department's activities on behalf of older Americans.

Online Database of Alzheimer's Disease (AD) Clinical Trials

A new, searchable AD Clinical Trials Database, jointly supported by the NIA and the FDA's Office of Special Health Issues, is available on line at <http://www.alzheimers.org/>, NIA's Alzheimer's Disease Education and Referral (ADEAR) Center Web site. The database entry for each drug listed includes information about the protocol and a list of participating study sites, searchable by state at this time. The database currently contains entries for studies of AD treatments funded by NIA, NIMH, NINDS, and two pharmaceutical manufacturers.

In addition to establishing the new database and making it available on the ADEAR Center's Web site, NIA's Office of Communications and Public Liaison is contributing to the NIH-wide database of clinical trial information that the National Library of Medicine will offer to the public during the second half of 1999.

Other New Features on the ADEAR Center Web Site

You also are encouraged to visit <http://www.alzheimers.org/> to try other new features, added recently as the Web site Home page was redesigned:

A "hot link" to *CHID Online* and the ADEAR Center's AZ (Alzheimer's disease) subfile of the Government's Combined Health Information Database.

Email notification, that allows Web site visitors to select the option of receiving future NIA press releases about AD and notice when new clinical trials are added to the AD Clinical Trials Database.

Information Package Produced from the NIA's Briefing for Health Journalists

Leading researchers and advocates in Alzheimer's disease (AD) joined NIA senior staff and the Office of Communications and Public Liaison on October 14, 1998 for a one-day seminar for health and science writers on AD research. The aim of the briefing was to help reporters put the rapidly changing field into perspective and to provide a framework for their reporting on AD and dementia.

Now, the Office of Communications and Public Liaison is offering a package, *Alzheimer's Disease Update: New Thinking on Risks, Causes, and Treatments*, that summarizes the briefing. This package is designed for health professionals, educators, staff trainers, and others who want the latest research information on AD. Topics addressed in the print materials and three edited, videotaped presentations by the NIA-funded researchers who participated in the

briefing include: clinical aspects, genetic factors, prions, etiology and mechanisms, clinical trials, and behavioral and social aspects of the disease. This package is available from the ADEAR Center for \$ 40.00.

GENERAL INFORMATION

Dr. Andre J. Premen, Program Director, Cardiovascular Aging Program, has been named NIA Liaison to the Society of Geriatric Cardiology. As Federal Liaison, Dr. Premen will disseminate publicly available information on funding opportunities in the cardiovascular aging field and will also provide advice to the Society.

REQUESTS FOR APPLICATIONS/PROPOSALS AND PROGRAM ANNOUNCEMENTS

INITIATIVES WITH TARGETED RECEIPT DATES

Exploratory Projects for Longitudinal Genetic Epidemiologic Studies on Aging AG-99-007 (Announced with NIEHS)

May 7, 1999

Contact: Dr. Evan Hadley (301) 435-3044

The National Institute on Aging (NIA) solicits proposals for exploratory research projects to identify appropriate populations, phenotypes, designs and methods for longitudinal genetic epidemiologic studies to identify effects of genetic factors on rates of age-related physiologic and pathologic changes, and/or survival outcomes such as age of onset of disease or disability. The NIA will use information derived from these projects in decisions regarding possible establishment of full-scale genetic epidemiologic studies on these topics.

Application Receipt Date: January 12, 2000

****NIA Pilot Research Grant Program PA-99-049**

May 7, 1999

Contact: Dr. Robin Barr (301) 496-9322

THIS IS A REVISION OF PA-99-049, NIH GUIDE, JANUARY 22, 1999.

The NIA is seeking small grant (R03) applications in specific areas to: (1) stimulate and facilitate the entry of promising new investigators into aging research, or (2) encourage established investigators to enter new targeted, high priority areas in this research field. This program provides support for pilot research that is likely to lead to a subsequent individual research project grant (R01) and/or significant advancement of aging research.

Application Receipt Date: March 17, July 16, November 17, 1999

****Protein Structure & Function in Aging & Late-Life Disease AG-99-005**

April 16, 1999

Contact: Dr. Stephen Snyder (301) 496-9350

Invites applications to support basic research on protein structure, function, and integrity during the aging process and in late-life disease. The goal of this RFA is to solicit applications that will examine, over the life-course, certain aspects of protein and peptide integrity that may change with age. A multi-disciplinary approach to the study of protein structure and integrity of function in aging and age-related diseases is envisioned. By using a combined approach and techniques from physics, biophysics, chemistry, biochemistry and biology it should be possible to accelerate the rate of research progress to yield a greater in-depth understanding of the molecular changes in proteins that can take place in aging and in age-related diseases. The goal, ultimately, would be to intervene in these age-related diseases and processes.

Application Receipt Date: June 23, 1999

Academic Research Enhancement Award PA-99-062

February 12, 1999

Contact: Dr. Miriam Kelty (301) 496-9322

AREA funds are intended to support new ("type 1") and ongoing ("renewal" or "competing continuation" or "type 2") health-related research projects proposed by faculty members of eligible schools and components of domestic institutions. The AREA will enable qualified scientists to receive support for small-scale research projects. These grants are intended to create a research opportunity for scientists and institutions otherwise unlikely to participate extensively in NIH programs to support the Nation's biomedical and behavioral research effort. It is anticipated that investigators supported under the AREA program will benefit from the opportunity to conduct independent research; that the grantee institution will benefit from a research environment strengthened through AREA grants and furthered by participation in the diverse extramural programs of the NIH; and that students will benefit from exposure to and participation in research and be encouraged to pursue graduate studies in the health sciences.

Application Receipt Date: May 25, September 25, January 25

Mouse Mutagenesis and Phenotyping: Developmental Defects HD-99-007

(Announced with NIAMS, NICHD, NIDCR, NIDDK, NIGMS & NHLBI)

April 2, 1999

Contact: Dr. Huber Warner (301) 496-6402

This Request for Applications (RFA) solicits applications to establish a facility for large-scale mutagenesis and phenotyping of developmental defects in the laboratory mouse. The immediate objective of the facility is to produce and characterize mouse strains harboring mutations that affect normal developmental processes. Ultimately, the mutant mice produced in this facility are expected to help elucidate the basic cellular, molecular, and genetic mechanisms that

direct embryonic and post-embryonic growth and function, as well as yield insights into the mechanisms of human disease.
Application Receipt Date: October 14, 1999

Mouse Mutagenesis and Phenotyping: Nervous System and Behavior MH-99-007

(Announced with NIAAA, NIDA, NIDCD, NEI, NINDS & NIMH)

April 2, 1999

Contact: Dr. Bradley Wise

The purpose of this request for applications (RFA) is to establish facilities for large-scale mutagenesis and phenotyping of nervous system functions and complex behaviors in the laboratory mouse. Neuroscience-focused mutagenesis and phenotyping facilities established by this RFA are expected to serve as a national resource by producing a bank of mouse strains that harbor a wide range of mutations affecting murine nervous system function and behavior.

Application Receipt Date: October 14, 1999

****Implementation of the National Occupational Research Agenda OH-99-002**

(Announced with NCI, NHLBI, NIDCD & NIEHS)

March 5, 1999

Contact: Dr. Sidney Stahl (301) 402-4156

The overall purpose of this grants program is to develop knowledge that can be used in preventing occupational diseases and injuries and to better understand their underlying pathophysiology. Thus, the following types of applied research projects will be supported: causal research to identify and investigate the relationships between hazardous working conditions and associated occupational disease and injury; the nature and magnitude of special risk factors experienced by older and/or minority workers; methods research to develop more sensitive means of evaluating hazards at work sites; and evaluations of the effectiveness of prevention and intervention programs, including new approaches or combinations of techniques such as control technologies, personal protective equipment and changes in work organization factors, which have been developed and implemented in workplaces.

Application Receipt Date: June 10, 1999

Mentored Quantitative Research Career Development Award PA-99-087

(Announced with NHLBI, NHGRI, NIAAA, NIAID, NIAMS, NICHD, NIDA, NIDCD, NIDCR, NIDDK, NIEHS, NIGMS, NIMH & NINDS)

April 16, 1999

Contact: Dr. Robin Barr (301) 496-9322

The purpose of this award (K25) is to engender and foster activities supporting the career development of investigators with quantitative scientific and engineering backgrounds outside of biology or medicine who have made a commitment to focus their research endeavors on behavioral and biomedical

research (basic or clinical). The award provides support for a period of supervised study and research for professionals with such backgrounds who have the potential to integrate their expertise with biomedicine and develop into productive investigators. This mechanism is aimed at research-oriented scientists with experience at the level of junior faculty (e.g., early to mid-levels of assistant professor or research assistant professor ranks).

Application Receipt Dates: June 1, October 1, and February 1

Midcareer Investigator award in Mouse Pathobiology Research PAR-99-065

(Announced with NCRR)

February 19, 1999

Contact: Dr. Huber Warner (301) 496-6402

The objectives of this award (K26) are; 1) to encourage midcareer pathobiologists to devote more time to mouse pathobiology research and to mentoring beginning investigators by relieving these midcareer investigators from time consuming service obligations, and (2) to increase the pool of mouse pathologists who can conduct mouse pathology studies, capitalizing on the exciting discoveries being made using genetically altered mice for biomedical research.

Application Receipt Date: February 1, June 1, October 1

INITIATIVES WITH OPEN RECEIPT DATES

****Diversity in Medication Use and Outcomes in Aging Populations PA-99-097**

(Announced with NCACM)

May 7, 1999

Contact: Dr. Marcia Ory (301) 402-4156

This announcement solicits both basic and applied research proposals to investigate the multiple factors that influence medication use by the elderly. It solicits research on people in a range of residential or treatment settings (e.g., home, community, hospital, nursing home), with interventions directed at older people themselves, their family caregivers, or health care professionals. There is primary interest in understanding the influence that racial/ethnic background plays on the use of and outcomes of different drug regimens or unconventional medical products, and the need to develop and evaluate culturally sensitive interventions. Similarly, there is interest in cross-cultural influences on medication behaviors and outcomes.

****Mechanisms Underlying Secondary Conditions in Mobility Disorders PA-99-096**

(Announced with NIAMS, NICHD, NIDDK NIGMS & NINR)

May 7, 1999

Contact: Dr. Chhanda Dutta (301) 435-3048

The goal of this program announcement is to support research required to investigate the underlying mechanisms that exacerbate secondary conditions in mobility disorders. Treatment or prevention of such secondary conditions (e.g., spasticity, pain, ulceration, infection, weakness and limited motion) will help to create a more enabling environment for persons with limited mobility, so that functioning of the whole person is enhanced.

****Clinical Interventions for Managing The Symptoms of Stroke PA-99-088**

(Announced with NIDCD, NICHD, NINDS & NINR)

April 23, 1999

Contact: Dr. Judith Finkelstein (301) 496-9350

This program announcement seeks research applications that address effective nonpharmacological approaches to managing the initial events and subsequent symptoms of a stroke. This research would focus on reducing the impairments, preventing secondary complications, and improving the functional independence and the quality of life for the individual following a stroke.

****Bone and the Hematopoietic and Immune Systems PA-99-085**

(Announced with NHLBI, NIAMS, NIDCR & NIDDK)

April 16, 1999

Contact: Dr. Frank Bellino (301) 496-6402

This announcement seeks projects that have the potential to illuminate functional interactions between bone and the hematopoietic and immune systems. In order to explore the mechanisms that underlie these interactions, the participating Institutes will support outstanding projects that have the potential to either clarify the importance of specific cell types and effector molecules or identify previously unrecognized cellular and molecular agents that influence bone physiology. Collaborations among bone biologists, hematologists, and immunologists, and between basic scientists and clinical investigators, will be particularly encouraged.

Research on Ethical Issues in Human Studies PA-99-079

(Announced with NIAAA, NIAID, NIAMS, NCI, NICHD, NIDCR, NIDA, NIDDK, NIEHS, NIGMS, NHGRI, NHLBI, NIMH, NINDS, NINR, CDCP, FIC, NCCAM, NCRR & NRWH)

April 2, 1999

Contact: Dr. Miriam Kelty (301) 496-9322

The National Institutes of Health (NIH) and the Centers for Disease Control and Prevention invite research grant applications (R01) for support to conduct research on ethical issues that arise with research involving human participants. The sponsoring organizations are jointly offering this Program Announcement (PA). Although this PA applies to several agencies, it will be administered according to National Institutes of Health (NIH) policies and procedures. This PA is one of the steps the NIH is taking to develop an on-going, multi-agency, comprehensive program in research ethics.

Biology, Development, and Progression of Malignant Prostate PA-99-081

(Announced with NCI, NIDDK & NIEHS)

April 9, 1999

Contact: Dr. Frank Bellino (301) 496-6402

Invites grant applications to examine a range of fundamental biological issues considered critical for progress in defeating prostate cancer. The purpose of this announcement is to encourage new projects focusing on the biology that underlies the development and progression of malignant prostatic disease. Multidisciplinary collaborations between basic and clinical scientists in projects ranging from exploratory basic biology studies to disease progression in appropriate biological systems or models are encouraged.

Xenobiotics and Cell Death/Injury in Neurodegenerative Disease PAS-99-054

Announced with NIEHS, NIMH & NINDS

January 29, 1999

Contact: Dr. Bradley Wise (301) 496-9350

The objective of this Program Announcement (PA) is to stimulate research on the relative roles of environmental, endogenous neurochemical and genetic factors in the cause of neurodegenerative diseases. The results of these investigations should help clarify the part xenobiotics play in the etiology of these diseases.

****THESE INITIATIVES USE MODULAR GRANT APPLICATION PROCEDURES THAT MUST BE USED IN PREPARING APPLICATIONS IN RESPONSE TO THEM. SEE THE FOLLOWING WEB SITE:**

<http://www.nih.gov/grants/funding/modular/modular.htm>

NATIONAL INSTITUTE ON AGING
FY 1998 Actual / FY 1999 Appropriation / FY 2000 President's Budget
(Dollars in Thousands)

INCLUDES AIDS	FY 1998		FY 1999		FY 2000	
	Actual *		Appropriation *		President's Budget	
	No.	Amount	No.	Amount	No.	Amount
Research Grants						
Research Projects						
Noncompeting	693	\$236,397	761	\$235,534	784	\$273,643
Admin. Suppl	(113)	6,481	(110)	7,000	(110)	7,000
Competing	373	81,562	486	130,796	387	104,184
Subtotal	1,066	324,440	1,247	373,330	1,171	384,827
SBIR/STTR	52	11,731	58	13,110	59	13,485
Subtotal, RPG	1,118	336,171	1,305	386,440	1,230	398,312
Research Centers	59	63,916	61	70,400	61	70,400
Other Research:						
Research Careers	131	12,296	156	15,016	156	15,016
Cooperative Clin Rsch	0	147	3	1,139	3	1,139
MBRS		984		1,131		1,131
Other	21	1,615	25	2,059	25	2,059
Subtotal, Other	152	15,042	184	19,345	184	19,345
Total, Rsch Grants	1,329	415,129	1,550	476,185	1,475	488,057
Training:	FTTP		FTTP		FTTP	
Individual	44	1,251	44	1,444	44	1,444
Institutional	505	12,940	495	14,875	495	14,875
Total, Training	549	14,191	539	16,319	539	16,319
R&D Contracts	48	21,662	53	28,089	53	29,089
Subtotal, EXTRAMURAL		450,982		520,593		533,465
Intramural Research		49,234		58,292		59,597
RMS		20,038		21,441		21,655
TOTAL		520,254		600,326		614,717

*FY 1998/FY 1999 made comparable to reflect budget neutral adjustment for change in clinical center assessment in FY 2000

Date: 2/1/99