

**DIRECTOR'S
STATUS REPORT
TO COUNCIL**

January 2007

National Institute on Aging

DIRECTOR'S STATUS REPORT

National Institute on Aging

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BUDGET and APPROPRIATIONS

Status of FY 2006, 2007, and 2008 Budgets for NIA

FY 2006

In FY 2006, the NIA obligated \$1,036,559,000 in appropriated money and ended the year with virtually no lapsed funds. A total of \$9,353,000, or 0.9 percent, was transferred from the NIA to support trans-NIH roadmap activities. NIA awarded 1,467 research project grants (RPGs), including 409 competing awards. The FY 2006 success rate for the Institute was 17.4 percent which compares to 18.8 percent in FY 2005 and 20.8 percent in FY 2004.

Support levels for other key extramural funding mechanisms included 74 research centers for \$83.0 million; 534 full-time training positions for \$23.1 million; and a total of \$64.0 million for research and development contracts.

FY 2007

As of this writing, the NIA is operating under a second Continuing Resolution in effect through February 15. The House and Senate have both passed funding bills, but have been unable to complete Conference action. The House provided \$1,039,828,000, a decrease of 0.6 percent from the FY 2006 comparable level, and the same amount as the FY 2007 President's budget request. The Senate recommended funding of \$1,048,912,000, an increase of 0.9 percent over the House allowance and \$3,000,000 over the FY 2006 comparable level.

FY 2008

The NIH recently received an OMB "pass-back" for FY 2008. This will become the FY 2008 President's budget request, and will reflect the Administration's requested amounts for the individual NIH Institutes and Centers. This budget will be submitted to the Congress in early February 2007 and subsequently it will become available to the public.

Attached is an NIA budget mechanism table that displays FY 2006 actual obligations and an updated FY 2007 distribution at the President's budget total level. When a final budget for FY 2007 is established, this information will be made available to the Council.

NATIONAL INSTITUTES OF HEALTH
National Institute on Aging

Budget Mechanism - Total

MECHANISM	FY 2006 Actual Obligations		FY 2007 Revised Estimate	
	No.	Amount	No.	Amount
<u>Research Grants:</u>				
<u>Research Projects:</u>				
Noncompeting	1,058	\$506,805,000	1,085	\$511,500,000
Administrative supplements	(115)	13,904,000	(114)	7,150,000
<u>Competing:</u>				
Renewal	84	59,078,000	111	63,950,000
New	317	85,397,000	264	71,018,000
Supplements	8	1,922,000	3	464,000
Subtotal, competing	409	146,397,000	378	135,432,000
Subtotal, RPGs	1,467	667,106,000	1,463	654,082,000
<u>SBIR/STTR</u>	75	24,977,000	81	24,813,000
Subtotal, RPGs	1,542	692,083,000	1,544	678,895,000
<u>Research Centers:</u>				
Specialized/comprehensive	74	82,378,000	74	81,966,000
Clinical research	0	0	0	0
Biotechnology	0	0	0	0
Comparative medicine	0	646,000	0	643,000
Research Centers in Minority Institutions	0	0	0	0
Subtotal, Centers	74	83,024,000	74	82,609,000
<u>Other Research:</u>				
Research careers	204	27,028,000	210	27,522,000
Cancer education	0	0	0	0
Cooperative clinical research	0	0	0	0
Biomedical research support	0	0	0	0
Minority biomedical research support*	0	1,323,000	0	1,316,000
Other	26	5,212,000	30	5,185,000
Subtotal, Other Research	230	33,563,000	240	34,023,000
Total Research Grants	1,846	808,670,000	1,858	795,527,000
<u>Research Training:</u>	<u>FTTPs</u>		<u>FTTPs</u>	
Individual awards	52	2,378,000	52	2,366,000
Institutional awards	482	20,676,000	482	20,573,000
Total, Training	534	23,054,000	534	22,939,000
Research & development contracts (SBIR/STTR)	109 (0)	63,987,000 (55,000)	109 (0)	67,830,000 (57,000)
Intramural research		102,607,000		102,165,000
Research management and support		38,241,000		38,815,000
NIH Roadmap for Medical Research		9,353,000		12,552,000
Total, NIA		1,045,912,000		1,039,828,000

LEGISLATIVE UPDATE

The new 110th Congress - Both Senate and House committee and subcommittee leadership will change with the 110th Congress as a result of the November 2006 elections. The House Appropriations Committee will be chaired by Mr. David Obey (D-WI) and the new ranking member will be Mr. Jerry Lewis (R-CA). Mr. Obey will also chair the House Appropriations Subcommittee on Labor and the HHS and Ranking Member will be Mr. Ralph Regula (R- OH). The House Energy and Commerce Committee will now be chaired by Mr. John Dingell (D- MI) and the Ranking Member will be Mr. Joe Barton (R-TX).

The Senate Appropriations Committee Chair will be Senator Robert Byrd (D-WV) and the Ranking Member will be Senator Thad Cochran (R-MS). The Senate Subcommittee on Labor, HHS will be chaired by Senator Tom Harkin (D- IA) and the Ranking Member will be Senator Arlen Specter (R-PA). The Senate Health Education, Labor and Pensions will be chaired by Senator Ted Kennedy (D-MA) and the Ranking Member will be Senator Mike Enzi (R-WY).

Significant Legislative/Executive Action

- **FY 2007 Labor, Health and Human Services (HHS), and Education, and Related Agencies Appropriations** – At the time this report was written, the Labor HHS spending measure was not passed and the NIH FY 2007 funds were still made available under a second continuing resolution (H.J. Res. 100). NIH funding under the continuing resolution is at the FY2006 level. With only two of the 12 spending bills passed, the 109th Congress is not expected to take further action in the few remaining weeks.
- **H.R. 6164, the National Institutes of Health Reform Act of 2006**, passed the House by a vote of 414 to 2. The bill would revise Title IV of the PHS Act and create the Division of Program Coordination, Planning, and Strategic Initiatives, to be supported by the Common Fund, and authorize 5 percent increases in appropriations for the NIH. The bill calls for the establishment of a Scientific Management Review Board to review the structure of NIH every seven years. The bill would also authorize the NIH Director to award grants for demonstration projects for research bridging the biological sciences with the physical, chemical, mathematical, and computational sciences; and authorize the establishment of demonstration programs that award grants, contracts, or engage in other transactions, for high-impact, cutting edge research demonstration programs.

On the last day of the 109th Congress, the Senate passed an amended version of the House enacted H.R. 6164, the National Institutes of Health Reform Act of 2006. Senate amendments included: (1) deletion of the formula for supporting the common fund; (2) a new requirement to add pediatric research to the Clinical and Translational Science Awards initiative; and (3) dollar amounts for NIH reauthorization levels instead of percentages. The President is expected to sign the measure into law.

(For information, contact Dr. Tamara Jones, NIA/OD, Ph: 401-451-8835)

STAFF CHANGES

Ms. Monica Lathan joined the Biology of Aging Program as a Research Program Analyst on October 1, 2006. Ms. Lathan was formerly a Health Policy Analyst for the American Public Health Association (APHA) and worked primarily in the area of eliminating health disparities.

Prior to APHA, she served as a field epidemiologist for the State of Maryland Department of Health and Mental Hygiene. She has served on several scientific review committees and advisory boards. Ms. Lathan has published several research articles and held an adjunct professorship at The George Washington University teaching health behavior. She is a former DHHS Primary Care Policy fellow and was a co-principal investigator for a DHHS, Office of Women's Health grant addressing diabetes prevention among minority women. She earned a Masters of Public Health from The George Washington University and is completing her doctorate at Morgan State University.

Ms. Elizabeth Hamilton joined the Behavioral and Social Research (BSR) Program as a research program analyst on November 13, 2006. Ms. Hamilton is completing her Master's thesis in Socio-Health Science at the University of South Florida; her thesis is an analysis of the policy development process for tuberculosis screening and treatment. She worked for several years as a biologist at the FDA, and while in graduate school was a program manager on an NIH R01 grant, responsible for data management and organization. She has developed interview instruments and contributed to the research design and data analysis strategies.

Dr. Stuart Maudsley has been recruited by the Intramural Research Program (IRP) as a tenure-track Investigator in the Receptor Pharmacology Unit of the Laboratory of Neurosciences (LNS). Dr. Maudsley worked as a Senior Research Scientist (MedStar Contractor) in LNS since April of 2006. He received his Doctorate of Philosophy from the University of Leeds in 1997.

Dr. Basil Eldadah has joined the Geriatrics and Clinical Gerontology (GCG) Program, Geriatrics Branch, as a Health Scientist Administrator. Dr. Eldadah earned both his Ph.D. in neuroscience and his M.D. degrees at Georgetown in 2000. He also completed his residency in internal medicine there. Prior to joining GCG, he was a Clinical Fellow in the National Institute of Neurological Disorders and Stroke (NINDS) Intramural Program.

Dr. Nancy Nadon, formerly Head of the Office of Biological Resources and Resource Development (OBRRD) in the Biology of Aging Program (BAP), has been named Chief of the Biological Resources Branch. This newly created branch within BAP will address the need for more support in the form of NIA-sponsored resources. Because of her background and her experience with OBRRD, Dr. Nadon is exceptionally qualified to lead this effort.

Dr. Donald K. Ingram, Senior Investigator and Laboratory Chief, Laboratory of Experimental Gerontology, at the IRP has recently accepted a position as a Professor at the Pennington Biomedical Research Center at Louisiana State University. He will continue his collaboration with the National Institute on Aging as a Guest Researcher.

Dr. Igor Espinoza-Delgado, Investigator, Laboratory of Clinical Investigation, IRP, has accepted a position with the National Cancer Institute as a Senior Clinical Investigator for the Cancer Therapy Evaluation Program, Division of Cancer Treatment and Diagnosis.

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

I. Meetings Held

4th Annual Nathan W. Shock Symposium – September 29, 2006

The National Institute on Aging Intramural Research Program and the Nathan W. and Margaret T. Shock Foundation hosted the 4th Annual Nathan W. Shock Aging Symposium entitled, “The Golden Anniversary of the Free Radical Theory of Aging: Progress and Pitfalls” on Friday, September 29, 2006. This one-day exploratory symposium was held at the Conference Center of the Sheppard Pratt Hospital in Towson, MD. Anna Maria Cuervo, M.D., Ph.D. of the Albert Einstein College of Medicine was the 17th Annual Nathan Shock Lecture Award Winner. The title of her lecture was, “Autophagy and Aging: When the Cleaning Crew Goes on Strike.” The symposium also featured presentations by distinguished leaders in the field of aging. (For information, contact Ms. Jamie Hertzfelt, IRP, Ph: 410-558-8110.)

Anemia in the Elderly: Clinical Trials Opportunities – October 5-6, 2006

This two-day multidisciplinary advisory workshop was held on October 5-6, 2006, in Bethesda, MD. The workshop was organized and sponsored by NIA’s Geriatrics and Clinical Gerontology (GCG) Program. The purpose of the workshop was to review such important issues as prevalence, types, causes, adverse physiologic consequences and available treatment options for anemia in the elderly, and seek advice on the need for clinical trials on effects of treatment of anemia /“low normal” hemoglobin levels.

The workshop participants and an Advisory Panel convened by NIA reviewed issues regarding needs for such trials in regard to a variety of types of anemia in older persons, outcomes, populations, and interventions. The panel recommended that trials be conducted on safety and efficacy of interventions for unexplained anemia in the elderly, particularly in moderately frail community-dwelling persons over age 70 with mild to moderate anemia, that measures of function should be principal outcomes, and that intervention effects are to be measured for up to one year. The Panel indicated that several potential agents might be suitable for trials, such as epoietin alpha, darbepoietin, hematide, and others. (For information, contact Dr. Sergei Romashkan, GCG, Ph: 301-435-3047.)

Small Animal Models of Multiple Morbidities - October 16-17, 2006

An exploratory workshop on Small Animal Models of Multiple Morbidities was held October 16-17, 2006, in Bethesda, MD. The purpose of the workshop was to invite investigators with expertise in disease animal model development and research to discuss the potential for creating small animal models with co-occurring disease processes that are representative of those common to human elders and to enhance translational research in multiple morbidities of older persons. The workshop reviewed existing models of chronic diseases (hypertension, diastolic heart failure, atherosclerosis, chronic renal insufficiency/failure, insulin resistance, adiposity, pulmonary inflammation and lung fibrosis, anemia of chronic disease, arthritis, frailty) and discussed the extension of existing models to include multiple disease processes in aged animals. (For information, contact Dr. Ying Tian and Dr. Susan Nayfield, GCG, Ph: 301-496-6761).

Expert Workshop on National Health Accounts – October 19, 2006

The goal of this NIA-supported exploratory meeting was to review and inform work led by Professor David Cutler on the development of a revised set of National Health Accounts. Because health policies and priorities can be informed by National Health Accounts, they are particularly important to the well-being of older populations who spend a disproportionate amount of income on health maintenance. NIA has funded prior meetings organized by the National Academies of Science to bring together experts to discuss the topic which led to the project to implement the accounts with comprehensive data. The meeting was held at the

National Bureau of Economic Research in Cambridge, Massachusetts. (For information, contact: Dr. John Phillips, BSR, Ph: 301-496-3138.)

Emerging Perspectives in the Social and Affective Neuroscience of Aging – Oct. 26, 2006

This NIA-sponsored exploratory symposium was held at the 46th Annual Meeting of the Society for Psychophysiological Research, Vancouver, British Columbia, Canada. Social and affective neuroscience addresses relations between neural, endocrine, and immune systems and aspects of emotional function, social behavior and the sociocultural environment. Despite a recent surge of interest and activity in this area, relatively little attention has been paid to these phenomena in the context of adulthood and aging. Recent work is revealing how changes in social and emotional function over the lifespan impact behavior, health, and well-being, with researchers beginning to explore the neurobiological correlates of these changes. The symposium drew attention to innovative findings and opportunities in aging research on social processes at the interface of the behavioral and biological sciences. Four presentations discussed new findings concerning (1) how normal aging and neurodegenerative diseases of aging affect emotional functioning and emotional systems in the brain, (2) how psychosocial factors such as loneliness relate to physiological functioning in older adults, (3) how exposure to aging stereotypes impacts older adults' autonomic, endocrine and immune reactivity, and (4) how markers of cellular aging are associated with both psychosocial stress and decline in cardiovascular function. (For information, contact Dr. Lisbeth Nielsen, BSR, Ph: 301-402-4156.)

Alzheimer's Disease: Setting the Research Agenda a Century after Auguste D – Oct. 26-27, 2006

The Neuroscience and Neuropsychology of Aging (NNA) Program co-sponsored a meeting with the National Institute of Neurological Disorders and Stroke (NINDS), the National Institute of Mental Health (NIMH), the National Institute of Biomedical Imaging and Bioengineering (NIBIB), and the National Institute of Nursing Research (NINR) on October 26-27, 2006 in Bethesda, MD. This advisory meeting included scientists from a broad range of disciplines. The purpose was to evaluate the current state of Alzheimer's disease research and suggest research directions for the future. (Contact: Dr. Neil Buckholtz, NNA, Ph: 301-496-9350).

Causes and Consequences of the Disability Decline at Older Ages – November 3, 2006

NIA/BSR is sponsoring this seminar series for the new Assistant Secretary for Planning and Evaluation (ASPE) at the Department of Health and Human Services (DHHS), of which this was the first seminar. As part of its mandate to promote synergies across the NIA-funded Demography of Aging Centers and to disseminate research findings to the public and policy communities, NIA/BSR has asked the Demography of Aging Coordinating Center at the University of Michigan to organize the ASPE seminar series for senior HHS and other agency analysts. The series is designed to bring researchers and policymakers together to discuss the important disability and aging issues confronting the United States. Each seminar will be presented by researchers affiliated with the NIA Demography Centers. Topics will likely include disability trends, longevity projections, effects of Social Security and health policy on retirement, and the effects of early life events on late life health. The first seminar was held on November 3, 2006, at DHHS and was attended by persons representing several DHHS agencies, and other agencies and research institutions. (For information, contact Ms. Georgeanne Patmios, BSR, Ph: 301-496-3138.)

Aging and Innate Immunity – November 9, 2006

An NIA sponsored (exploratory) symposium on Aging and Innate Immunity was held on November 9, 2006, at the annual meeting of the Society for Leukocyte Biology in San Antonio, Texas. The purpose of this symposium was to highlight recent advances in our understanding of age-related changes in the innate immune system. Several speakers presented overviews of their research advances in this area. NIA staff provided information regarding the mission and research priorities of the NIA, and provided assistance to attendees regarding funding opportunities and application mechanisms. The symposium also allowed interactions between researchers working in different areas of immunology and aging. (Contact: Dr. Rebecca Fuldner, BAP, Ph: 301-496-6402)

New Interventions for Menopausal Symptoms – November 20-21, 2006

As a follow-up to the March 21-23, 2005 “NIH State-of-the-Science (SoS) Conference on Management of Menopause-Related Symptoms,” NIA assembled a panel of experts to prioritize the intervention-related research recommendations from the SoS conference. On November 20-21, 2006, the NIA in collaboration with the National Center for Complementary and Alternative Medicine (NCCAM), the National Institute of Child Health and Human Development (NICHD), the NIH Office of Research on Women’s Health (ORWH), the National Institute of Mental Health (NIMH), the National Institute of Nursing Research (NINR), the NIH Office of Dietary Supplements (ODS) and the National Cancer Institute (NCI) convened the second and final advisory meeting of 11 prominent investigators with expertise in reproductive endocrinology, epidemiology, psychiatry, hot flash physiology, quality of life issues, complementary and alternative medicine, and clinical trials design and methodology. Representatives from the Food and Drug Administration (FDA) also participated. The group recommended that the NIA promote (1) clinical and basic studies to increase understanding of the natural history and pathophysiology of menopausal symptoms and (2) multicenter clinical intervention research to reduce the burden of menopausal symptoms. (For information, contact Dr. Sherry Sherman, GCG, Ph: 301-496-6942)

Protein Homeostasis in Aging – January 8, 2007

This exploratory workshop, co-sponsored by the Neuroscience and Neuropsychology of Aging and Biology of Aging programs of the National Institute on Aging, was held in Bethesda, MD, on January 8, 2007. A common feature of many degenerative diseases of aging is the misfolding of proteins leading to the accumulation of abnormal protein deposits or aggregates. This workshop brought together leading investigators to review what is known about changes in the activity of cellular pathways regulating protein homeostasis. The goal of the meeting was to increase understanding of the contribution of age-related changes in these systems to normal aging physiology and disease processes. Repairing or degrading misfolded proteins and aggregates may be of therapeutic benefit in age-related degenerative disorders as well as in normal aging. (Contact: Dr. Bradley Wise, NNA, Ph: 301-496-9350 or Dr. Felipe Sierra, BAP, Ph: 301-496-6402).

Frontotemporal Dementia Workshop – January 17-19, 2007

Recent studies supported by the NIA have uncovered an important new gene and identified a protein present in the cellular and nuclear inclusions of a large subset of Frontotemporal Dementia cases, thus opening new avenues for investigation. A workshop was organized to explore avenues for future research on Frontotemporal Dementia. This exploratory workshop was held in Miami, Florida, on January 17-19, 2007. It was co-sponsored by the National Institute of Neurological Disorders and Stroke (NINDS), the Association for Frontotemporal

Dementia (AFTD), and the Neuroscience and Neuropsychology of Aging (NNA) Program of the NIA. (Contact: Dr. Creighton Phelps, NNA, Ph: 301-496-9350).

II. Meetings Planned

Economic Value of Good Health – February 2-3, 2007

The goal of this NIA-supported exploratory workshop is to gather together a group of experts to discuss methods to measure and evaluate the economic value of health and health improvement in terms of reduced disability and extending life. Several experts will present papers discussing the state of the research and potential future directions. The workshop, to be held in Santa Monica, California, on February 2-3, 2007, is a starting point for considering future directions in this line of research, which is likely to prove useful to policy makers and analysts, including the new NIH Office of Portfolio Analysis and Strategic Initiatives (OPASI). (For information contact Dr. John Phillips, BSR, Ph: 301-496-3138.)

Translational Research in Aging – February 5-6, 2007

This exploratory workshop will be held on February 5-6, 2007 for the purpose of exchanging information on processes, successes, problems, and pitfalls in translation of basic research to clinical testing. Researchers involved in research projects and research areas with high translation potential will be brought together with experts in the overall process of moving between basic and clinical research, intellectual property and patent issues, industry and clinical connections, regulatory aspects, available resources, and methods to support translational research. The workshop will explore issues associated with this area of research, give insight into the overall process and potential problems that may occur, and inform NIA staff as well as investigators. This is a coordinated effort between all extramural programs at NIA. (Contacts: Dr. Jill Carrington, BAP, Ph: 301/496-6402, Dr. Chhanda Dutta, GCG, Ph: 301/496-6761).

Social Neuroscience of Aging Exploratory Workshop - February 7-8, 2007

This NIA-supported exploratory workshop will be held on February 7-8, in Bethesda, MD. It is designed to assist the Behavioral and Social Research Program (BSR) in shaping its research agenda in Social Neuroscience of Aging. It will survey research topics and address research and resource needs for advancing the field. Participants will include leading researchers in social and personality psychology, genetics and sociogenomics, neuroscience and neurobiology, psychoneuroimmunology, evolutionary psychology, psychiatry, and economics, who share an interest in social behaviors and have a breadth of knowledge on developmental and aging issues. Topics of interest include: (1) the neurobiological mechanisms underlying the relation between social connectedness and psychological well-being or physical health; (2) the neurobiological correlates of age-related change in emotion regulation and affective style, social cognition, socioeconomic behavior and attitudes (fairness, cooperation, trust), and social influences on decision-making; and (3) the impact of social stress, socioeconomic status, and social environments and institutions on neurobiological processes in middle-aged and older adults. The aims of the workshop will be (1) to encourage researchers in social neuroscience to apply their methods to topics relevant to aging, and (2) to promote interest on the part of aging researchers in personality, well-being, social cognition, etc., in taking a social neuroscience “integrative” approach to their topics. (For information, contact Drs. Lisbeth Nielsen and Jennifer Harris, BSR, Ph: 301-496-3136.)

Harmonization of Longitudinal Aging Surveys for Cross-National Comparative Studies in Aging – February 26-28, 2007

This NIA-supported exploratory workshop, to be held in Chiang Mai, Thailand, on February 26-28, 2007, will gather together a group of experts to discuss approaches to improving the cross-national comparability of longitudinal studies of aging using ex-post and ex-ante harmonization techniques. This workshop was developed on the premise that ex-ante comparability can only be established with communication among researchers at the development stage, and ex-post comparability requires deliberate evaluation of surveys. Thailand is the location of a recently created aging survey. (For information, contact Dr. John Phillips, BSR, Ph: 301-496-3138.)

Thyroid and Aging – May 18, 2007

The American Thyroid Association (ATA) is planning a State-of-the Science conference titled “ATA Symposium: Thyroid and Aging,” to be held in Washington, DC, on May 18, 2007. The goal of the Symposium is to review current knowledge regarding changes in thyroid function with aging and the occurrence, diagnosis and management of benign and malignant thyroid disease in older patients.

To address the general lack of knowledge in this area and identify opportunities for clinical and translational research, NIA will convene an exploratory workshop immediately following the “State-of-the Science” presentations. A group of experts in endocrinology, geriatrics, and other medical/surgical subspecialties who participated in the parent Conference will remain to review the Conference presentations and identify knowledge gaps and research priorities. The results of this Workshop will inform the NIA GCG Program regarding opportunities and priorities for research in this underdeveloped area of the GCG portfolio (Geriatric Endocrinology other than diabetes). (For information, contact: Dr. Susan Nayfield, GCG, 301-496-6949)

Unexplained Fatigue in the Elderly – June 2007

The Geriatrics and Clinical Gerontology Program (GCG) will sponsor an exploratory workshop on “Unexplained Fatigue in the Elderly in June 2007. The goal of the Workshop is to identify research questions that could translate into improved diagnosis, management, and health outcomes for patients with fatigue, and prevention for persons with risk factors for fatigue. The workshop will convene a group of clinical researchers in geriatrics and other specialties with expertise relating to fatigue, epidemiologists, experts in assessment instrument design, and physiologists and basic scientists with expertise in fields relevant to the etiology and pathophysiology of fatigue (e.g., muscle biology, intermediary metabolism, and clinical pharmacology). The group will address issues such as: developing a working definition of idiopathic fatigue, identifying useful approaches to measurement, determining appropriate medical evaluation, exploring the effects of fatigue on other health outcomes, and identifying areas for exploration in potential physiological contributors to fatigue in the elderly. The results of the Workshop will help establish a scientific basis for research and set a preliminary agenda for exploring the clinical problem of “idiopathic” fatigue among the elderly. The results of this Workshop will also provide a background for the American Geriatrics Society conference “Idiopathic Fatigue of Aging,” to be held in 2008 and supported by NIA through an R13 “Conference Series: From Bedside to Bench,” R13 AG028230. (For information, contact: Drs. Basil Eldadah and Susan Nayfield, GCG, 301-496-6949)

GENERAL INFORMATION

Staff Awards

Dr. Ashani Weeraratna, Staff Scientist, Clinical Immunology Section, Laboratory of Immunology, IRP, received the 2006 Young Investigator Award of the Society of Melanoma Research on September 14, 2006, at the Third International Melanoma Research Congress.

The following IRP staff received the 2007 Fellows Award for Research Excellence (FARE) on September 26, 2006:

- Laboratory of Cardiovascular Science
Dr. Jinliang Li – Physiology
Dr. Xiaokun Zeng – Signal Transduction, G-proteins and Ion Channels
- Laboratory of Clinical Investigation
Dr. Qi Zong Lao - Signal Transduction, G-proteins and Ion Channels
Dr. Girma Asemu Sebrie – Physiology
Dr. Yi Xie – Signal Transduction – General
- Laboratory of Immunology
Dr. Dolgor Baatar – Hematology/Oncology, Tumor Immunology and Therapy
Dr. Hyunwon Yang – Immunology – General
- Laboratory of Molecular Gerontology
Dr. Penelope Mason – DNA-binding Proteins/Receptors and DNA Repair
- Laboratory of Neurogenetics
Dr. Chen Lai – Neuroscience – Cellular and Molecular
Dr. Elisa Greggio – Neuroscience – General
Dr. David W. Miller – Neurology and Neuroimmunology
Dr. Mika Shimoji – Neuroscience – General
- Laboratory of Neurosciences
Dr. Dong Gyu Jo – Neuropharmacology and Neurochemistry
- Laboratory of Personality and Cognition
Dr. Ira Driscoll – Psychiatry/Behavioral Research
- Brain Physiology and Metabolism Section
Dr. Christopher Toscano – Neuropharmacology and Neurochemistry

Drs. Molly Wagster and Dallas Anderson of the NNA Program received the NIA Director's Award in December 2006 for their contributions to the NIH Blueprint for Neuroscience Research by establishing a contract for the development of an assessment tool for neurological and behavioral function in large cohort studies.

Dr. Sidney Stahl of the BSR program received the NIH Director's Merit Honor Award in November 2006 as a member of the NIH Social Work Research Working Group.

On December 15, 2006, the following BSR staff received the NIA Director's Award for their work in the new disciplinary field of Neuroeconomics:

- **Drs. Lisbeth Nielsen, John Phillips and Jeffrey Elias** for maintaining NIA contact with researchers and fostering discussion relevant to the problems of aging; convening an exploratory workshop on Neuroeconomics; and issuing RFA-AG-06-011 in July 2006 to solicit exploratory/developmental research applications in the Neuroeconomics of Aging.
- **Dr. John Haaga** for planning and organizing the BSR Data Review recommended by the NACA Review of BSR in 2004. Dr. Haaga received a 2005 Evaluation Express Award for the retrospective evaluation of BSR's data investments; assembled panelists, commissioned papers, solicited input from professional associations, and held planning meetings. The process will not be complete for another 7-10 months, but many new ideas have surfaced and are being considered.
- **Ms. Georgeanne Patmios** for ongoing expert management of difficult issues of the National Long-Term Care Survey (NLTCs), which included working through innumerable problems with grants at the Duke center. Ms. Patmios gave an NIA Retreat presentation, organized the second National Academy of Sciences (NAS) Expert Meeting on the NLTCs, negotiated with Duke on turning over files to NIA for close-out funding, made a site visit to evaluate NLTCs electronic and paper files from 1982 to present, and arranged for the creation of an archival stable environment of NLTCs files at National Archive of Computerized Data on Aging (NACDA). She arranged storage of biospecimens and investigated options for permanent repository of the biospecimens. She drafted the RFA for the next NLTCs and made presentations on it to WGOP and NACA which were approved.

NIA News Releases

Twelve press releases were distributed, generating 442 clips in print and internet outlets and reaching nearly 199 million people. Press release topics ranged from a study demonstrating improved health and survival in aged overweight male mice on resveratrol to the discovery of misfolded protein clumps common to dementia; from announcement of new Alzheimer's clinical trials to structured exercise programs enhance seniors' physical functioning. (For more information about recently distributed press releases, contact Ms. Vicky Cahan, OCPL, Ph: 301-496-1752.)

New Publications Funded by BSR/NIA

- U.S. Census Bureau – *Population Aging in Sub-Saharan Africa: Demographic Dimensions*. Although the older population makes up a small proportion of the population in most Sub-Saharan African countries, the absolute number of older people is growing. In 2006, nearly 35 million people were aged 60 and older in Sub-Saharan Africa, and this number is projected to increase to over 67 million by 2030. In fact, the sheer number of older people is growing more rapidly in Sub-Saharan Africa than in the developed world. This increase in the number of older people will occur despite the excess mortality due to HIV/AIDS that many Sub-Saharan African countries are currently experiencing. This report – which examines the populations aged 50 and over, 60 and over, and 80 and over – focuses primarily on the demographic aspects of aging in Sub-Saharan African countries, with a special section examining the impact of HIV/AIDS on population aging. Older people in Africa are a

particularly vulnerable social group, and they have been made more vulnerable because of the HIV/AIDS pandemic that is affecting many of these countries. (For information, contact Dr. Richard Suzman, BSR, Ph: 301-496-3131.)

- National Research Council of the National Academies of Sciences – **Publication version** of *Aging in Sub-Saharan Africa: Recommendations for Furthering Research*. This report adds to the empirical and conceptual knowledge of the situation of older people in sub-Saharan Africa and makes practical suggestions for further research in this area. The report includes papers relevant to RFA-HD-06-007 “Global Partnerships for Social Science AIDS Research,” and PAR-060-114 “Research on Pathways Linking Environments, Behaviors and HIV/AIDS.” Papers discuss the sociodemographic impacts of the HIV/AIDS epidemic on older people in the region, including effects on living arrangements of the elderly and the demographic impacts of behavioral preventive and antiretroviral treatment programs. (For information, contact Dr. Richard Suzman, BSR, Ph: 301-496-3131.)

Publications

The following publications were updated or reprinted:

- ❖ *Aging under the Microscope*
- ❖ *Exercise Guide*
- ❖ *Talking with Your Doctor*
- ❖ *Bound for Your Good Health*
- ❖ *Age Pages: Forgetfulness, Shingles, Flu – Get the Shot, Crime and Older People, Choosing a Doctor, Depression, Getting Your Affairs in Order, Osteoporosis*
- ❖ *Alzheimer’s Disease Fact Sheet*
- ❖ *NIA Publications Catalog*
- ❖ NIA rolodex card
- ❖ Heat Stroke fans
- ❖ Hot Flash fans
- ❖ *Understanding Risk* Tip Sheet
- ❖ *Hormones and Menopause* Tip Sheet
- ❖ *Research at the NIA* Tip Sheet
- ❖ *Connections*, v. 14, #1-2

(For information about these publications, contact Ms. Vicky Cahan, OCPL, Ph: 301-496-1752.)

NIH Senior Health

Five new topics have been added to the NIHSeniorHealth website bringing to 30 the number of topics the site currently offers. (For more information about NIHSeniorHealth.gov, contact Ms. Vicky Cahan, OCPL, Ph: 301-496-1752.)

Meetings and Exhibits

NIA and the Alzheimer’s Disease Education and Referral Center (ADEAR) publications were distributed at the following meetings and exhibits: National Association of Area Agencies on Aging; National Black Nurses Association; National Association of Community Health Centers; Hispanic Health fairs; Alzheimer’s Association Dementia Care conference; American Academy of Family Physicians; Geriatric Care Managers conference; National Coalition on Black Aged “Take a Loved One to the Doctor Day”; Society for Neuroscience; Alzheimer’s Foundation of America; AARP Life @ 50+; Alzheimer’s Disease Center(ADC)/Alzheimer’s Disease Cooperative Study (ADCS)/Alzheimer’s Disease Neuroimaging Initiative (ADNI) meetings; and

Case Western Reserve's Alzheimer's conference. (For more information, contact Ms. Vicky Cahan, OCPL, Ph: 301-496-1752.)

Led by Dr. Hodes, NIA key staff met regularly with a variety of groups interested in aging research. Recent meetings included the Ad Hoc Group for Medical Research Funding and the Alzheimer's Association. (For more information, contact Dr. Tamara Jones, NIA Legislative Office, 301-496-3121.)

Awards

The ADEAR website won the Gold Award, Best Health/Healthcare Content, Consumer Disease-Focused Sites, 2006 eHealthcare Leadership Awards. (For more information, contact Ms. Vicky Cahan, OCPL, Ph: 301-496-1752.)

NEW NOTICES AND INITIATIVES RELEVANT TO NATIONAL INSTITUTE ON AGING (NIA)

Excerpts from the NIH GUIDE- from August 12, 2006 – December 12, 2006

Includes Notices and Initiatives (Requests for Applications (RFAs) and Program Announcements (PAs), published since January 2006 Council presentation of the Director's Status Report (DSR) to the National Advisory Council on Aging (NACA). Also check our NIA website for "Funding Opportunities" at:

[http://www.nia.nih.gov/GrantsAnd Training/FundingOpportunities/CurrentFundingOpportunities.htm](http://www.nia.nih.gov/GrantsAndTraining/FundingOpportunities/CurrentFundingOpportunities.htm)

(Shown here are selected Notices and Initiatives relevant to NIA/National Institutes of Health/DHHS).

NOTICES ISSUED BY NIA

(Notices are sorted by release date. Most recent Notices are at the top of this list.)

#	Announcement Number	Issuing Organization	Release Date	Title
1	NOT-AG-07-001	NIA	10/31/2006	Notice of Intent to Issue an FOA (RFA) to Continue the National Long-Term Care Survey
2	NOT-AG-06-012	NIA	09/05/2006	Announcing Changes in Availability of the NIA Aged Rodent Colony
3	NOT-AG-06-011	NIA	08/31/2006	NIA no longer accepting applications for R25 (Education Project) awards.

NOTICES ISSUED BY NIH (Central)

(Notices are sorted by release date. Most recent Notices are at the top of this list.)

#	Announcement Number	Issuing Organization	Release Date	Title
1	NOT-OD-07-025	NIH	12/12/2006	Revision of the Ruth L. Kirschstein National Research Service Awards for Individual Predoctoral Fellowships (F31) to Promote Diversity in Health-Related Research
2	NOT-OD-07-026	NIH	12/07/2006	NIH Policy on Late Submission of Grant Applications – Clarification for Multiple PI Applications and New Submission/Receipt Dates
3	NOT-OD-07-023	NIH	11/30/2006	Delays in Grant Application Submission due to Winter

				Storms
4	NOT-OD-07-017	NIH	11/20/2006	Establishment of Multiple Principal Investigator Awards for the Support of Team Science Projects
5	NOT-OD-07-020	NIH	11/20/2006	NIH/AHRQ/NIOSH Confirm R01 Electronic Application Submission Plans for February 5 Receipt Date
6	NOT-OD-07-018	NIH	11/17/2006	New Limits on Appendix Materials for All NIH/AHRQ/NIOSH Grant Applications Beginning with Receipt Dates On or After January 3, 2007
7	NOT-OD-07-019	NIH	11/17/2006	Announcing availability of pre-registration for the NIH Regional Seminars on Program Funding and Grants Administration
8	NOT-OD-07-015	NIH	11/13/2006	Limits on Resubmission of an Application: Clarification of NIH Policy
9	NOT-OD-07-014	NIH	11/09/2006	Request for Information (RFI): Possible Page Limit Reduction For the Research Plan Section of the Research Project Grant (R01) Application
10	NOT-OD-07-016	NIH	11/09/2006	Notice of a Report on the Review of Responses to the National Institutes of Health Request for Information (RFI): Standards for the Care and Use of Laboratory Animals
11	NOT-HG-07-001	NIH	10/27/2006	Genome-wide Association Studies in the Genes and Environment Initiative – Availability of Additional Information
12	NOT-OD-07-011	NIH	10/20/2006	Request for Information (RFI): To Solicit Input and Ideas for Roadmap Trans-NIH Strategic Initiatives
13	NOT-OD-07-007	NIH	10/17/2006	Genes and Environment Initiative–Exposure Biology Program – Participation of NIH Intramural Investigators
14	NOT-OD-07-005	NIH	10/13/2006	Clarification of Resubmissions for Ten Recently Released Genome Sequencing Funding Opportunity Announcements
15	NOT-OD-07-006	NIH	10/13/2006	Genes and Environment Initiative – Participation of NIH Intramural Investigators
16	NOT-OD-07-004	NIH	10/06/2006	Non-Competing Grant Awards Under the Current Continuing Resolution
17	NOT-OD-07-001	NIH	10/05/2006	Change in Standing Receipt Dates for NIH/AHRQ/NIOSH Beginning in January 2007
18	NOT-OD-07-002	NIH	10/05/2006	NIH and AHRQ Publish Edits to the Ruth L. Kirschstein Individual Fellowship Application (PHS 416-1) Instructions
19	NOT-OD-07-003	NIH	10/05/2006	Guidance to Applicant Organizations about Registering Research Fellows in the eRA Commons
20	NOT-OD-06-104	NIH	09/19/2006	Reminder: All NIH Research Education (R25) Grant Applications Must Use the SF 424 (R&R) Application Form and Apply through Grants.gov for the October 1, 2006 Submission Date and Beyond
21	NOT-OD-06-103	NIH	09/15/2006	NIH/AHRQ Now Using Version 2 of SF424 (R&R) and Agency-Specific Electronic Forms For SBIR/STTR, Conferences/Scientific Meetings, and Other Specific Funding Opportunities
22	NOT-OD-06-101	NIH	09/12/2006	OLAW Guidance on PHS Policy on Humane Care and Use of Laboratory Animals Provided in Frequently Asked

				Questions
23	NOT-OD-06-096	NIH	08/23/2006	NIH Announces Requirement for Detailed (Non-Modular) Budget Submissions for All Competing Grant Applications from Foreign (Non-U.S.) Institutions
24	NOT-OD-06-095	NIH	08/22/2006	Clarification Of Eligibility For Mid-Career Investigator Award In Patient-Oriented Research (K24)
25	NOT-OD-06-093	NIH	08/18/2006	Revision: Notice of New NIH Policy for Funding of Tuition, Fees, and Health Insurance on Ruth L. Kirschstein National Research Service Awards Revision: Notice of New NIH Policy for Funding of Tuition, Fees, and Health Insurance on Ruth L. Kirschstein National Research Service Awards

NOTICES ISSUED BY OTHER INSTITUTES/CENTERS AT NIH (with NIA involvement)
(Notices are sorted by release date. Most recent Notices are at the top of this list.)

#	Announcement Number	Issuing Organization	Release Date	Title
1	NOT-DC-06-004	NIDCD	12/12/2006	Request for Information (RFI): Tools and Resources for Human Embryonic Stem Cell Research in the Nervous System (Neuroscience Blueprint)
2	NOT-DA-06-031	NIDA	10/03/2006	Notice of Extension of Expiration Date for PAR-02-076 – Mentored Clinical Scientists Development Award (K12)

FUNDING OPPORTUNITIES – RFAs and PAs –issued by NIA
(RFAs and PAs are sorted by release date. Most recent are at the top of this list.)

1	RFA-AG-07-002	NIA	11/03/2006	n/a	01/10/2007	R01	Venous Thrombosis and Thromboembolism in the Elderly (R01)
<p>This Funding Opportunity Announcement (FOA) solicits investigator-initiated Research Project Grant (R01) applications from institutions/ organizations to explore the epidemiology, pathophysiology, and clinical aspects (diagnosis, treatment, and prevention) of venous thrombosis (VT) and thromboembolism (VTE) in the elderly. The goal of this FOA is to foster hypothesis-based research leading to a better understanding of venous thrombosis (VT) and venous thromboembolism (VTE) in older persons. Information from the research supported by this initiative should improve our understanding of factors that contribute to the age-related increase in risk of thrombosis and thromboembolism and translate to improvements in diagnosis, treatment, and prevention. The ultimate objective is to improve the health and well-being of elderly patients with and at risk for thrombotic and thromboembolic events and to decrease the functional impairment and morbidity associated with these events in the older population.</p> <p>Susan G. Nayfield, M.D., M.Sc. National Institute on Aging Bethesda, MD 20892-9205 Telephone: (301) 496-6761 FAX: (402) 1784 Email: nayfiels@mail.nih.gov</p>							
2	RFA-AG-07-003	NIA	11/03/2006	12/11/2006	01/10/2007	R21	Venous Thrombosis and Thromboembolism in the Elderly (R21)
<p>This Funding Opportunity Announcement (FOA) solicits Exploratory/Developmental (R21) grant applications from applicant organizations directed at the problem of venous thrombosis (VT) and venous thromboembolism (VTE) in the elderly. The goal of this FOA is to foster exploratory research leading to a better understanding of venous thrombosis (VT) and venous thromboembolism (VTE) in older persons. Information from the research supported by this initiative should improve our understanding of factors that contribute to the age-related increase in risk of thrombosis and thromboembolism and translate to improvements in diagnosis, treatment, and prevention. The ultimate objective is to improve the health and well-being of elderly patients with and at risk for thrombotic and thromboembolic events and to decrease the functional impairment and morbidity associated with these events in the older population.</p>							

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3	RFA-AG-07-005	NIA	10/27/2006	n/a	01/09/2007	P30	Resource Centers and Coordinating Center for Minority Aging Research (RCMAR)
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This RFA invites applications from qualified institutions to create or continue Resource Centers for Minority Aging Research (RCMAR) and the RCMAR Coordinating Center. The National Institute on Aging (NIA) invites applications from qualified institutions for the creation or continuation of Resource Centers for Minority Aging Research (RCMARs). The RCMAR infrastructure building mission is to improve the health and well being of older minority populations by identifying mechanisms for reducing health disparities.

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4	RFA-AG-07-007	NIA	10/10/2006	n/a	12/15/2006	R01	Developing Integrated Economic Models of Health and Retirement (R01)
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The RFA invites applications for research projects (R01) to develop a comprehensive model of retirement that integrates health and disability, wealth, and family structure. Though adding other factors that influence retirement into the modeling framework is encouraged, a viable application must present plans that include these factors. The purpose of this RFA is to stimulate studies to develop comprehensive econometric models of retirement from the labor force. This RFA invites applications for research projects (R01) to comprehensively integrate health and disability, wealth, and family factors into a single retirement modeling framework. Though adding other factors that influence retirement into the modeling approach is encouraged, a viable application must present plans for the development of a unified retirement model featuring health and disability, wealth, and family factors.

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5	RFA-AG-07-006	NIA	10/06/2006	11/15/2006	12/15/2006	R21	Membrane Associated Signaling Defects in Immune Cells with Aging (R21)
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The purpose of this FOA is to stimulate investigations that will define the molecular basis for the impairment of the formation and function of immune synapses in immune cells from aged individuals and to solicit grant applications for basic research to investigate how the cellular aging process alters immune synapse formation and signal transduction efficiency in cells of the immune system. Projects are encouraged that utilize recently developed imaging techniques and biophysical methods to study the molecular dynamics of immune synapse formation and its function in immune cells obtained from aged animal models or elderly individuals.

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6	RFA-AG-07-001	NIA	10/02/2006	n/a	12/21/2006	K08, K23	Paul B. Beeson Career Development Awards in Aging (K08 & K23)
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This program provides three to five years of mentored career development support to clinically-trained faculty members in strong research environments to enable them to gain skills and experience in aging research, under the guidance of a mentor or mentors, and to establish an independent program of research in this field. It also includes an annual meeting that allows opportunities to partner with national mentors and fellow awardees. This program provides support to clinically-trained faculty members in strong research environments to enable them to gain skills and experience in clinically-relevant aging research and to establish an independent program of research in this field. If you are such a faculty member and wish to apply for this program you must identify a mentor or mentors. These individuals should be senior researchers in aging and/or geriatrics who agree to commit time to supervising and guiding you during the period of the award.

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7	RFA-AG-07-004	NIA	10/02/2006	n/a	12/09/2006	F32	Ruth L. Kirschstein National Research Service Awards (NRSA) for Interdisciplinary Individual Postdoctoral Fellows for Training in Neurodegeneration Research (F32)
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The purpose of this Blueprint initiative is to provide interdisciplinary training in neurodegeneration research at the postdoctoral level. It is expected that the individual postdoctoral research training programs funded through this RFA will incorporate faculty and resources from different research programs/departments at the institution. The proposed training should expose fellows to a variety of disciplines, including those that are not traditionally associated with neurodegeneration research, but which will bring knowledge and techniques important for enhancing research in this area.

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FUNDING OPPORTUNITIES – RFAs and PAs –issued by NIH
(RFAs and PAs are sorted by release date. Most recent are at the top of this list.)

1	PA-07-106	NIH	12/12/2006	n/a	04/14/2010	F31	Ruth L. Kirschstein National Research Service Awards for Individual Predoctoral Fellowships (F31) to Promote Diversity in Health-Related Research
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The primary objective of this funding opportunity announcement is to help ensure that diverse pools of highly trained scientists will be available in appropriate research areas to carry out the Nation's biomedical, behavioral, health services, or clinical research agenda. This initiative seeks to improve the diversity of the health-related research workforce by supporting the training of predoctoral students from groups that have been shown to be underrepresented. Such candidates include individuals from underrepresented racial and ethnic groups, individuals with disabilities, and individuals from disadvantaged backgrounds. Detailed eligibility criteria are described in the full announcement.

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2	PA-07-002	NIH	10/06/2006	n/a	09/02/2007	F31	Ruth L. Kirschstein National Research Service Awards for Individual Predoctoral Fellows (F31)
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The purpose of the Ruth L. Kirschstein National Research Service Award Act (NRSA) is to help ensure that diverse pools of highly trained scientists will be available in adequate numbers and in appropriate research areas to carry out the Nation's biomedical, behavioral, and clinical research agendas. The objective of the Kirschstein-NRSA Individual Predoctoral Fellowship (F31) is to provide support for promising doctoral candidates who will be performing dissertation research and training in scientific health-related fields relevant to the missions of the participating NIH Institutes during the tenure of the award. The Kirschstein-NRSA for Individual Predoctoral Fellows will provide up to five years of support for research training which leads to the Ph.D. or equivalent research degree, the combined M.D./Ph.D. degree, or another formally combined professional degree and research doctoral degree in the biomedical, behavioral, or clinical sciences.

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3	RFA- RM- 07- 003	NIH	08/31/2006	n/a	10/28/2006	R01	Membrane Protein Production and Structure Determination (R01)
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The purpose of this Request for Applications (RFA) is to solicit applications that will lead to an increased knowledge of membrane protein structures. In contrast to the remarkable advances that have been made in the understanding of soluble proteins, understanding of the structure, function, and mechanisms of integral membrane proteins has been limited by the paucity of available high resolution structures.

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4	RFA- RM- 07- 002	NIH	08/22/2006	n/a	01/18/2007	U54	Institutional Clinical and Translational Science Award (U54)
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The purpose of this initiative is to assist institutions to create a uniquely transformative, novel, and integrative academic home for Clinical and Translational Science that has the resources to train and advance a cadre of well-trained multi- and inter-disciplinary investigators and research teams with access to innovative research tools and information technologies to promote the application of new knowledge and techniques to patient care. Clinical and Translational Science Awards (CTSAs) will attract basic, translational, and clinical investigators, community clinicians, clinical practices, networks, professional societies, and industry to develop new professional interactions, programs, and research projects.

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5	PA- 06- 527	NIH	08/16/2006	n/a	09/02/2009	K02	Independent Scientist Award (K02)
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The Independent Scientist Award (K02) is intended to foster the development of outstanding scientists and enable them to expand their potential to make significant contributions to their field of research. It provides three, four, or five years of salary support and "protected time" for newly independent scientists (see IC provisions) who can demonstrate the need for a period of intensive research focus as a means of enhancing their research careers. Each independent scientist career award program must be tailored to meet the individual needs of the candidate. Potential applicants are strongly advised to contact the appropriate NIH staff member identified in Section VII (http://grants.nih.gov/grants/guide/contacts/pa-06-527_contacts.htm) to discuss their particular circumstances and eligibility for the K02 award before developing an application.

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FUNDING OPPORTUNITIES – Other RFAs and PAs –with NIA involvement, but issued by other Institutes at NIH (RFAs and PAs sorted by release date. Most recent are at the top of this list.)

	Announcement Number	Issuing Organization	Release Date	Opening Date (SF424 Only) ?	Expiration Date	Activity Code(s)	Title
1	PAR-07-160	NIGMS	12/12/2006	12/12/2006	01/25/2009	R43, R44	Innovations in Biomedical Computational Science and Technology Initiative (SBIR [R43/R44])
<p>This funding opportunity announcement (FOA) solicits Small Business Innovation Research (SBIR) grant applications from small business concerns (SBCs) that propose innovative research in biomedical computational science and technology to promote the progress of biomedical research. There exists an expanding need to speed the progress of biomedical research through the power of computing to manage and analyze data and to model biological processes. The NIH is interested in promoting research and developments in biomedical computational science and technology that will support rapid progress in areas of scientific opportunity in biomedical research. As defined here biomedical computing or biomedical information science and technology includes database design, graphical interfaces, querying approaches, data retrieval, data visualization and manipulation, data integration through the development of integrated analytical tools, and tools for electronic collaboration, as well as computational research including the development of structural, functional, integrative, and analytical models and simulations.</p> <p>Dr. David Finkelstein National Institute on Aging Bethesda, MD 20892 Phone: 301-496-6402 Email: Df185@nih.gov</p>							
2	PAR-07-161	NIGMS	12/12/2006	12/12/2006	01/25/2009	R41, R42	Innovations in Biomedical Computational Science and Technology Initiative (STTR [R41/R42])
<p>This funding opportunity announcement (FOA) solicits Small Business Technology Transfer (STTR) grant applications from small business concerns (SBCs) that propose innovative research in biomedical computational science and technology to promote the progress of biomedical research. There exists an expanding need to speed the progress of biomedical research through the power of computing to manage and analyze data and to model biological processes. The NIH is interested in promoting research and developments in biomedical computational science and technology that will support rapid progress in areas of scientific opportunity in biomedical research.</p> <p>Dr. David Finkelstein National Institute on Aging Bethesda, MD 20892 Phone: 301-496-6402 Email: Df185@nih.gov</p>							
3	PA-07-013	NIDDK	11/20/2006	01/02/2007	03/06/2010	R01	Research on Improving Health Care for Obese Patients (R01)

This funding opportunity announcement (FOA) solicits Research Project Grant (R01) applications from institutions/organizations that propose to conduct research to determine the barriers to optimal health care for obese patients, and to test innovations or modifications in care delivery to improve health outcomes for obese patients independent of weight loss. This PA addresses two major scientific themes specified in the Strategic Plan for NIH Obesity Research (www.obesityresearch.nih.gov) 1) Breaking the Link Between Obesity and Its Associated Health Conditions: "Determine factors associated with decreased preventive healthcare utilization in obese individuals and assess strategies to improve access to and utilization of preventive and other healthcare services in obese individuals." 2) Cross-cutting Topics: Health Disparities – addressing the needs of specific populations: "In developing new initiatives or programs for research or education/outreach special emphasis should be given to addressing the diverse needs of populations disproportionately affected by obesity including....individuals with extreme obesity."

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4	PAR-07-049	NIMH	11/17/2006	11/17/2006	11/16/2009	R21	Drug Discovery for Nervous System Disorders (R21)
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The objective of this solicitation is to stimulate preclinical research in the discovery, design, development and testing of novel compounds aimed at prevention or treatment of nervous system disorders. Studies aimed at the development and testing of compounds for novel targets are also encouraged, however projects designed for target identification are not covered under this announcement. This initiative is intended to stimulate research aimed at drug discovery and early preclinical testing of compounds with therapeutic potential. The goal is to encourage, complement, and accelerate the process of discovering new, innovative, and effective compounds for the prevention and treatment of these disorders.

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5	RFA-OD-06-005	OBSSR	11/15/2006	n/a	01/13/2007	R24	Mind-Body Interactions and Health: Restricted Competition for Research Infrastructure Programs (R24)
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The primary purposes of the Mind-body and Health Research Infrastructure Program are to provide resources to support and advance research that will improve the understanding of mind-body interactions and health, facilitate interdisciplinary collaboration among investigators conducting health-related mind-body research, and promote innovative approaches to mind-body and health research questions. An additional goal is to facilitate interaction among scientists in locations throughout the United States in order to contribute to the integration and coordination of mind-body and health research.

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6	RFA-DK-06-503	NIDDK	10/18/2006	n/a	12/16/2006	U19	RFA-Announcement of a Limited Competition for the Continuation of the Nuclear Receptor Signaling Atlas (U19)
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The National Institute of Diabetes and Digestive and Kidney Diseases, the National Institute on Aging, the National Heart, Lung and Blood Institute, the National Institute of Environmental Health Sciences, and the National Institute of Child Health and Human Development invite a competing continuation application to participate in a trans-NIH consortium to complete the development and implementation of an Atlas of Nuclear Hormone Receptors. The main objective will be to accrue, develop, analyze, and communicate information on the role(s) of Nuclear Hormone Receptors (NHR) in health and disease and to design

studies with immediate translational impact on human disease, to catalyze the translation of basic knowledge into approaches that will help to understand and treat disease.

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7	RFA-DC-07-005	NIDCD	10/03/2006	n/a	12/09/2006	K18	Short-Term Interdisciplinary Career Enhancement Awards for Neurodegeneration Research (K18)
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The NIH Blueprint for Neuroscience is a framework to enhance cooperative activities among the NIH Office of the Director and 15 NIH Institutes and Centers that support research on the nervous system. By pooling resources and expertise, the Blueprint takes advantage of economies of scale, confronts challenges too large for any single Institute or Center, and develops research tools and infrastructure that will serve the entire neuroscience community. In 2007, the Blueprint is focusing on neurodegeneration. This funding opportunity announcement (FOA) solicits short-term mentored career development (K18) grant applications from established investigators seeking short-term mentored career development and enhancement training experiences of six-twelve months, for example, during a sabbatical year, to acquire new interdisciplinary perspectives and capabilities in research on neurodegeneration.

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8	RFA-NS-07-004	NINDS	10/03/2006	11/08/2006	12/09/2006	R21	Biomarkers for Neurodegeneration (R21)
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The NIH Blueprint for Neuroscience Research is a framework to enhance cooperative activities among the NIH Office of the Director and 15 NIH Institutes and Centers that support research on the nervous system. By pooling resources and expertise, the Blueprint takes advantage of economies of scale, confronts challenges too large for any single Institute or Center, and develops research tools and infrastructure that serve the entire neuroscience community. In FY 2007, the Blueprint is focusing on neurodegeneration.

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9	RFA-EY-07-001	NEI	10/02/2006	11/08/2006	12/09/2006	R21	Therapeutics Delivery for Neurodegenerative Diseases (R21)
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The NIH Blueprint for Neuroscience Research is a framework to enhance cooperative activities among the NIH Office of the Director and 15 NIH Institutes and Centers that support research on the nervous system. By pooling resources and expertise, the Blueprint takes advantage of economies of scale, confronts challenges too large for any single Institute or Center, and develops research tools and infrastructure that serve the entire neuroscience community. In FY 2007, the Blueprint is focusing on neurodegeneration.

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10	RFA-RR-06-005	NCRR	09/20/2006	n/a	12/01/2006	U42	Knockout Mouse Project (KOMP) Repository (U42)
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The goal of the NIH-funded Knockout Mouse Project (KOMP) is to generate a comprehensive resource of null mutant alleles, with a reporter, using gene targeting mutagenesis in mouse strain C57BL/6. The construction of the KOMP mutant collection is being funded in projects submitted in response to [RFA-HG-05-007](#) and [RFA-DA-06-009](#). The purpose of this Funding Opportunity Announcement (FOA) is to establish a resource repository to collect and archive the null mutant alleles, primarily in the form of cryo-preserved embryonic stem (ES) cells, as well as associated DNA constructs, and cryo-preserved embryos or live mice created by the KOMP. The successful KOMP repository should aim to become self supporting over time.

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11	PAR-06-549	NCRR	09/13/2006	09/29/2006	09/18/2008	R25	NCRR Science Education Partnership Award (SEPA) (R25)
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The National Center for Research Resources (NCRR) invites applications for Science Education Partnership Awards (SEPA) program whose goals are to foster the development of novel programs to improve K-12 and the general public's understanding of the clinical trial process as well as the health science advances stemming from National Institutes of Health (NIH) funded clinical and basic research. The SEPA program supports the creation of innovative partnerships between biomedical and clinical researchers and K-12 teachers and schools, museum and science center educators, media experts, and other interested educational organizations. Particular importance will be given to SEPA applications that target K-12 science educational topics that may not be addressed by existing science curricula, community-based or media activities.

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12	PA-06-542	NINR	08/31/2006	09/01/2006	09/02/2009	R21	Mechanisms, Models, Measurement, & Management in Pain Research (R21)
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The purpose of this Funding Opportunity Announcement (FOA), Mechanisms, Models, Measurement, & Management in Pain Research issued by the National Institute of Nursing Research (NINR) is to inform the scientific community of the pain research interests of the various Institutes and Centers (ICs) at the National Institutes of Health (NIH) and to stimulate and foster a wide range of basic, clinical, and translational studies on pain as they relate to the missions of these ICs.

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13	PA-06-543	NINR	08/31/2006	09/01/2006	09/02/2009	R03	Mechanisms, Models, Measurement, & Management in Pain Research (R03)
<p>The purpose of this Funding Opportunity Announcement (FOA), "Mechanisms, Models, Measurement, & Management in Pain Research," is to inform the scientific community of the pain research interests of the various Institutes and Centers (ICs) at the National Institutes of Health (NIH) and to stimulate and foster a wide range of basic, clinical, and translational studies on pain as they relate to the missions of these ICs.</p> <p>Molly V. Wagster, PhD National Institute on Aging Bethesda, MD 20892-9205 Telephone: (301) 496-9350 Fax: (301) 496-1494 Email: wagsterm@nia.nih.gov</p>							
14	PA-06-544	NINR	08/31/2006	n/a	09/02/2009	R01	Mechanisms, Models, Measurement, & Management in Pain Research (R01)
<p>The purpose of this Funding Opportunity Announcement (FOA), "Mechanisms, Models, Measurement, & Management in Pain Research," is to inform the scientific community of the pain research interests of the various Institutes and Centers (ICs) at the National Institutes of Health (NIH) and to stimulate and foster a wide range of basic, clinical, and translational studies on pain as they relate to the missions of these ICs.</p> <p>Molly V. Wagster, PhD National Institute on Aging Bethesda, MD 20892-9205 Telephone: (301) 496-9350 Fax: (301) 496-1494 Email: wagsterm@nia.nih.gov</p>							
15	PA-06-533	NIMH	08/22/2006	08/22/2006	09/02/2008	R21	Functional Links between the Immune System, Brain Function and Behavior (R21)
<p>The National Institute of Mental Health (NIMH), National Institute on Aging (NIA), National Institute of Arthritis and Musculoskeletal and Skin Diseases (NIAMS), National Institute on Drug Abuse (NIDA), National Institute of Biomedical Imaging and Bioengineering (NIBIB), National Institute on Neurological Disorders and Stroke (NINDS), and National Cancer Institute (NCI) request research grant applications to study neuroimmune molecules and mechanisms involved in regulating normal and pathological central nervous system (CNS) function.</p> <p>Andrew A. Monjan, Ph.D. National Institute on Aging Bethesda, MD 20892-2292 Telephone: (301) 496-9350 FAX: (301) 402-4740 Email: am39m@nih.gov</p>							
16	RFA-HL-07-007	NHLBI	08/22/2006	10/22/2006	12/23/2006	R21	Bioengineering Approaches to Energy Balance and Obesity (R21)
<p>The purpose of this FOA is to solicit applications to develop and validate new and innovative engineering approaches to address clinical problems related to energy balance, intake, and expenditure. Novel sensors, devices, imaging, and other technologies, including technologies to detect biochemical markers of energy balance, are expected to be developed and evaluated by collaborating engineers, physical scientists, mathematicians, and scientists from other relevant disciplines with expertise in</p>							

obesity and nutrition. Basic and applied scientific applications with rigorous hypothesis-testing designs or for design-directed research are encouraged. The goal is to increase the number of useful technologies and tools available to scientists to facilitate their research in energy balance and health. Eventually these research tools should facilitate therapeutic advances and behavioral changes to address such problems as weight control and obesity.

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17	RFA-RR-06-003	NCRR	08/18/2006	09/29/2006	11/30/2006	R25	Clinical Research Education and Career Development (CRECD) in Minority Institutions (R25)
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This Funding Opportunity Announcement (FOA) is intended to encourage both current CRECD awardee institutions in the final year of funding and eligible institutions that have not received previous CRECD award to apply. These awards are intended to support development and implementation of curriculum-dependent programs in minority institutions to train selected doctoral and postdoctoral candidates in clinical research leading to a Master of Science in Clinical Research or Master of Public Health in a clinically relevant area. A successful program will result in an accredited master's degree program to produce trained clinical researchers who can become part of translational and/or patient-oriented research projects.

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18	PA-06-527	NIH	08/16/2006	n/a	09/02/2009	K02	Independent Scientist Award (K02)
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The Independent Scientist Award (K02) is intended to foster the development of outstanding scientists and enable them to expand their potential to make significant contributions to their field of research. It provides three, four, or five years of salary support and protected time for newly independent scientists (see IC provisions) who can demonstrate the need for a period of intensive research focus as a means of enhancing their research careers.

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THE FOLLOWING ONGOING INITIATIVES WERE REANNOUNCED TO DIRECT APPLICANTS TO APPLY ELECTRONICALLY.

FUNDING OPPORTUNITY ANNOUNCEMENTS (FOAs) - Electronic conversions –issued by NIA
(Sorted by release date. Most recent are at the top of this list).

An- nounce- ment Number	Related Announc.	Issuing Organi— zation	Re- lease Date	Opening Date (SF424 Only) ?	Expiration Date	Activity Code(s)	Title
1.	See Related	NIA	12/12/2006	01/05/2007	05/02/2009	R01	Behavioral and Social Research on

PA-07-141							Disasters and Health (R01)
<p>This Funding Opportunity Announcement (FOA) seeks to stimulate research in the behavioral and social sciences on the consequences of natural and man-made disasters for the health of children, the elderly, and vulnerable groups, with an ultimate goal of preventing and mitigating harmful consequences and health disparities. Disasters include severe weather-related events, earthquakes, large-scale attacks on civilian populations, technological catastrophes or perceived catastrophes, and influenza pandemics.</p> <p>John G. Haaga, Ph.D. National Institute on Aging Bethesda MD 20892-9205 Telephone: 301-496-3131 Email: HaagaJ@mail.nih.gov</p>							
2. PAR-07-142	See Related	NIA	12/12/2006	01/05/2007	11/06/2007	R01	Alzheimer's Disease Pilot Clinical Trials (R01)
<p>The objective of the Alzheimer's Disease Pilot Clinical Trials initiative is to improve the quality of clinical research designed to evaluate interventions for the prevention or treatment of Alzheimer's disease (AD), mild cognitive impairment (MCI), and age-associated cognitive decline by stimulating applications for pilot clinical drug trials to test interventions aimed at delaying the onset of or preventing AD, MCI, and age-associated cognitive decline; slowing, halting, or, if possible, reversing the progressive decline in cognitive function; and modifying the cognitive and behavioral symptoms in Alzheimer's disease. The goal is not to duplicate or compete with pharmaceutical companies but to encourage, complement, and accelerate the process of testing new, innovative, and effective treatments.</p> <p>Neil S. Buckholtz, Ph.D. National Institute on Aging Bethesda, MD 20892-9205 Telephone: (301) 496-1494 Fax: (301) 496-1494 Email: buckholn@nia.nih.gov</p>							
3. PA-07-075	See Related	NIA	11/20/2006	01/05/2007	03/06/2008	R01	Retirement Economics (R01)
<p>The National Institute on Aging (NIA) invites applications for research on retirement economics. The research objectives of this Funding Opportunity Announcement (FOA) include, but are not limited to: (1) the determinants of retirement behavior, (2) the variation in work patterns in later life, (3) the evolution of health and economic circumstances of individuals through retirement and into later life, (4) time use and life satisfaction before and during retirement, (5) the implications of retirement trends, (6) retirement expectations, (7) international comparisons of retirement and (8) the development of innovative retirement modeling techniques. The importance of studying retirement is heightened by the approaching retirement of the baby boom generation of Americans.</p> <p>John W. R. Phillips, PhD National Institute on Aging Bethesda, MD 20892-9205 Telephone: (301) 496-3138 FAX: (301) 402-0051 Email: phillipj@mail.nih.gov</p>							

FUNDING OPPORTUNITY ANNOUNCEMENTS (FOAs) - Electronic conversions –issued by NIH
(Sorted by release date. Most recent are at the top of this list).

Announcement Number	Related Announc.	Issuing Organization	Release Date	Opening Date (SF424 Only) 	Expiration Date	Activity Code(s)	Title
1. PA-07-070	See Related	NIH	11/20/2006	01/05/2007	01/03/2010	R01	Research Project Grant (Parent R01)
<p>The Research Project Grant (R01) is an award made to an institution/organization to support a discrete, specified, circumscribed project to be performed by the named investigator(s) in areas representing the specific interests and competencies of the investigator(s). The R01 research plan proposed by the applicant institution/organization must be related to the stated program interests of one or more of</p>							

the NIH Institutes and Centers (ICs) based on descriptions of their programs.

<http://www.nia.nih.gov/ResearchInformation/ExtramuralPrograms>

FUNDING OPPORTUNITY ANNOUNCEMENTS (FOAs) - Electronic conversions –issued with NIA involvement, but issued by other Institutes at NIH. (Sorted by release date. Most recent are at the top of this list).

Announcement Number	Related Announc.	Issuing Organization	Release Date	Opening Date (SF424 Only) ?	Expiration Date	Activity Code(s)	Title
1. PA-07-139	See Related	NHLBI	12/12/2006	01/05/2007	07/06/2008	R01	Nutrition and Diet in the Causation, Prevention, and Management of Heart Failure (R01)
<p>The purpose of this Funding Opportunity Announcement (FOA) is to solicit investigator-initiated research applications on the role of nutrition and diet in the causation, prevention, and treatment of cardiomyopathies and heart failure. Basic, translational, and applied interdisciplinary research applications with rigorous hypothesis-testing designs for projects in animals or humans are of interest. The overall goal is to develop a satisfactory science base for preventive approaches in high-risk individuals and for rational nutritional management of patients in various stages of heart failure.</p> <p>Susan G. Nayfield, M.D., M.Sc. National Institute on Aging Bethesda, MD 20892-9205 Telephone: (301) 496-6761 FAX: (301) 402-1784 Email: NayfielS@mail.nih.gov</p>							
2. PA-07-140	See Related	NHLBI	12/12/2006	01/05/2007	07/06/2008	R01	Research on Sleep and Sleep Disorders (R01)
<p>This Funding Opportunity Announcement (FOA) solicits grant applications proposing research to advance biomedical knowledge related to sleep or sleep disorders, improve understanding of the neurobiology or functions of sleep over the life-span, enhance timely diagnosis and effective treatment for individuals affected by sleep-related disorders, or implement and evaluate innovative community-based public health education and intervention programs.</p> <p>Andrew A. Monjan, Ph.D., M.P.H. National Institute on Aging 7201 Wisconsin Avenue, Suite 350 Bethesda, MD 20892-9205 Telephone: (301) 496-9350 Email: monjana@nia.nih.gov</p>							
3. PA-07-151	See Related	NIDCR	12/12/2006	01/05/2007	01/03/2010	R01	Oral Health of Special Needs and Older Populations (R01)
<p>This Funding Opportunity Announcement (FOA) solicits grant applications from institutions/organizations that propose investigator-initiated clinical research focused on the oral health of special needs populations, including those with developmental or acquired physical or mental disabilities, people with mental retardation (MR), people living with HIV/AIDS, and frail or functionally dependent elders. The types of clinical research welcomed are epidemiologic, behavioral/social sciences, health care, patient-oriented and community-based studies aimed at understanding and improving the oral, dental and craniofacial health status, quality of life and health outcomes among elders and other special needs populations.</p> <p>Jeffrey Elias, PhD National Institute on Aging Bethesda, Maryland 20892-9205 Telephone: (301) 402-4156 Email: eliasj@nia.nih.gov</p>							
4. PAR-07-143	See Related	NICHD	12/12/2006	01/05/2007	09/02/2008	R01	Research on Pathways Linking Environments, Behaviors and

							HIV/AIDS (R01)
<p>This Funding Opportunity Announcement (FOA) solicits grant applications for research studies on the relationships among social environments, individual behaviors, and the incidence and prevalence of HIV/AIDS in population. This FOA will utilize the NIH Research Project Grant (R01) award mechanism. Because the nature and scope of the proposed research will vary from application to application, it is anticipated that the size and duration of each award will also vary. The total amount awarded and the number of awards will depend upon the mechanism numbers, quality, duration, and costs of the applications received.</p> <p>Angie Chon-Lee National Institute on Aging Bethesda MD 20892-2292 (Bethesda, MD 20814 for courier or non-USPS) Telephone: (301)-496-3131 Email: chonleea@mail.nih.gov</p>							
5. PA-07-083	See Related	NIMH	11/22/2006	01/05/2007	03/06/2009	R01	Basic and Translational Research in Emotion (R01)
<p>The purpose of this FOA is to advance the study of emotion across a broad range of areas outlined below. The study of emotion encompasses a wide range of physiological, psychological, social, cognitive, and developmental phenomena. Central and peripheral nervous system (CNS, PNS) activity in the origins, expression, regulation and modulation of emotion are important objects of study, as is the contribution of emotional and motivational systems to cognitive faculties such as perception, attention, learning, memory, and motor control. The study of emotion includes investigations of overt behaviors (such as aggression or withdrawal), interpersonal relationships, communication and decision making, and the environmental circumstances and experiences that shape and elicit emotions.</p> <p>Lis Nielsen, Ph.D. National Institute on Aging Bethesda, MD 20892-9205 Telephone: (301) 402-4156 FAX: (301) 402-0051 Email: nielsenli@nia.nih.gov</p>							
6. PA-07-088	See Related	NIMH	11/22/2006	01/05/2007	03/06/2008	R01	Functional Links between the Immune System, Brain Function and Behavior (R01)
<p>This Funding Opportunity Announcement (FOA) issued by the National Institute of Mental Health (NIMH), the National Institute on Aging (NIA), the National Institute of Arthritis and Musculoskeletal and Skin Diseases (NIAMS), the National Institute on Drug Abuse (NIDA), the National Institute of Biomedical Imaging and Bioengineering (NIBIB), the National Institute on Neurological Disorders and Stroke (NINDS), and the National Cancer Institute (NCI), National Institutes of Health (NIH), solicits research grant applications to study neuroimmune molecules and mechanisms involved in regulating normal and pathological central nervous system (CNS) function. This FOA will utilize the NIH Research Project Grant (R01) award mechanism and runs in parallel with an FOA of identical scientific scope, PA-06-533, that solicits applications under the Exploratory/Developmental (R21) grant mechanism. Applications of related or identical scientific scope are also solicited under the Small Research Grant (R03) award mechanism in response to FOA PA-06-180.</p> <p>Andrew A. Monjan, Ph.D. National Institute on Aging Bethesda, MD 20892-9205 Telephone: (301) 496-9350 FAX: (301) 402-4740 Email: am39m@nih.gov</p>							
7. PA-07-045	See Related	OBSSR	11/21/2006	01/05/2007	01/03/2008	R01	Social and Cultural Dimensions of Health (R01)
<p>The ultimate goal of this program announcement is to encourage the development of health research that integrates knowledge from the biomedical and social sciences. This announcement invites applications to (a) elucidate basic social and cultural constructs and processes used in health research (b) clarify social and cultural factors in the etiology and consequences of health and illness (c) link basic research to practice for improving prevention, treatment, health services, and dissemination, and (d) explore ethical issues in social and cultural research related to health.</p> <p>Sidney Stahl, Ph.D.</p>							

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8. PA-07-046	See Related	OBSSR	11/21/2006	01/05/2007	01/03/2010	R01	Research on Mind-Body Interactions and Health (R01)
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The National Institutes of Health (NIH), through the participating Institutes, Centers, and Offices listed above, invite applications in support of research on mind-body interactions and health. "Mind-body interactions and health" refers to the relationships among cognitions, emotions, personality, social relationships, and health. A central goal of this program is to encourage interdisciplinary collaboration and innovation towards understanding the processes underlying mind-body interactions and health as well as towards the application of such basic knowledge to interventions and clinical practice in the promotion of health and the prevention or treatment of disease and disabilities. This FOA will utilize the R01 grant mechanism.

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9. PA-07-047	See Related	NIMH	11/21/2006	01/05/2007	01/03/2010	R01	Research on Chronic Insomnia Disorder (R01)
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The purpose of this funding opportunity announcement (FOA) is to encourage research in insomnia disorder that is responsive to the research needs identified in the Conference Statement from the NIH State-of-the-Science Conference on Manifestations and Management of Chronic Insomnia in Adults. The State-of-the-Science (SOS) conference, held June 13-15, 2005, addressed the following questions: 1) How is chronic insomnia defined, diagnosed, and classified, and what is known about its etiology?, 2) What are the prevalence, natural history, incidence, and risk factors for chronic insomnia?, 3) What are the consequences, morbidities, comorbidities, and public health burden associated with chronic insomnia?, 4) What treatments are used for the management of chronic insomnia, and what is the evidence regarding their safety, efficacy, and effectiveness?, and 5) What are important future directions for insomnia-related research.

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10. PA-07-053	See Related	NIDDK	11/21/2006	01/05/2007	03/06/2007	R01	Long-Term Weight Maintenance: Basic and Clinical Studies(R01)
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The goal of this Funding Opportunity Announcement (FOA) is to invite research applications investigating basic and clinical aspects of long-term weight maintenance. Applications investigating mechanisms underlying weight stability and/or weight regain after intentional weight loss, as well as clinical studies investigating the role of behavioral, nutritional, exercise, or other interventions in enhancing long-term weight maintenance will be supported. Collaborations between basic and clinical researchers are particularly encouraged. This FOA will utilize the NIH Research Project Grant (R01) award mechanism and runs in parallel with a FOA of identical scientific scope, [PA-06-144](#), that solicits applications under the Exploratory/Developmental Research (R21) grant award mechanism.

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11. PA-07-055	See Related	NIDCD	11/21/2006	01/05/2007	03/02/2008	R01	Neurologic Motor Speech Disorders and Speech Motor Control (R01)
<p>This Funding Opportunity Announcement (FOA) issued by the National Institute on Deafness and Other Communication Disorders (NIDCD) and the National Institute on Aging (NIA) of the National Institutes of Health solicits Research Project Grants (R01) applications from institutions that propose to study motor speech disorders and speech motor control. NIDCD has a longstanding history of supporting research in neurologic communication disorders. The NIDCD and the NIA wish to stimulate further scientific research and are soliciting R01 applications in neurologic motor speech disorders and speech motor control in basic, clinical and translational research. This FOA will utilize the Research Project Grant (R01) award mechanism.</p> <p>Andrew A. Monjan, Ph.D., M.P.H. National Institute on Aging, NIH Bethesda, MD 20892-9205 Telephone: (301) 496-9350 Fax: (301)-496-1494 Email: monjana@nia.nih.gov</p>							
12. PAR-07-048	See Related	NIMH	11/21/2006	01/05/2007	11/06/2009	R01	Drug Discovery for Nervous System Disorders (R01)
<p>The objective of this solicitation is to stimulate preclinical research in the discovery, design, development and testing of novel compounds aimed at prevention or treatment of nervous system disorders. Studies aimed at the development and testing of compounds for novel targets are also encouraged, however projects designed for target identification are not covered under this announcement. This initiative is intended to stimulate research aimed at drug discovery and early preclinical testing of compounds with therapeutic potential. The goal is to encourage, complement, and accelerate the process of discovering new, innovative, and effective compounds for the prevention and treatment of these disorders.</p> <p>Suzana S. Petanceska, Ph.D. National Institute on Aging Bethesda, MD 20892-9205 Telephone: (301) 496-9350 FAX: (301) 496-1494 Email: petancesks@nia.nih.gov</p>							
13. PA-07-023	See Related	NIDDK	11/20/2006	01/05/2007	03/06/2009	R01	Basic Research in the Bladder and Lower Urinary Tract (R01)
<p>The National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK), the National Cancer Institute (NCI), and the National Institute on Aging (NIA), in cooperation with the National Institutes of Health (NIH) Office of Research on Women's Health (ORWH), invite applications under this Funding Opportunity Announcement (FOA) for research studies that focus on basic cellular, molecular, genetic, and developmental mechanisms of the normal and abnormal function of the bladder and lower urinary tract. An important goal of this FOA is to attract new and established investigators from a variety of basic science research areas to apply their knowledge, skills, and tools to studies of the bladder and lower urinary tract. This FOA is presented as part of the ongoing commitment of the NIDDK, NCI, NIA, and ORWH to biomedical research aimed at improving bladder and lower urinary tract health.</p> <p>Jill Carrington, Ph.D. National Institute on Aging 7201 Wisconsin Avenue, Suite 2C231 Bethesda, MD 20892-9205 Telephone: (301) 496-6402 FAX: (301) 402-0010 E-mail: carringtonj@nia.nih.gov</p>							
14. PA-07-033	See Related	NINR	11/20/2006	01/05/2007	01/03/2010	R01	Focal Cognitive Deficits in CNS Disorders (R01)
<p>The purpose of this FOA is to advance the study of focal, or specific and limited, cognitive deficits experienced by persons with non-dementing CNS disorders and the secondary effects of these cognitive deficits on their health and quality of life (QoL). This FOA also promotes the development of evidence and theory-based clinical interventions and therapeutics for cognitive impairment in persons with non-dementing CNS disorders. A goal of this FOA is to enhance cross- and inter-disciplinary biobehavioral cognitive research.</p>							

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15. PA-07-057	See Related	NIDDK	11/20/2006	01/05/2007	05/02/2007	R01	Heterogeneity of Fat Depots: Underlying Basis and Association with Morbidity (R01)
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The National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK), the National Heart, Lung, and Blood Institute (NHLBI), and the National Institute on Aging (NIA), National Institutes of Health (NIH), invite investigator-initiated research projects to investigate the life cycle of adipocytes and other cell types present in various fat depots, such as macrophages, neurons, and endothelial cells. The goal of this Funding Opportunity Announcement (FOA) is to increase our understanding of the interactions among the cell populations in order to identify biomarkers of changes in cellular physiology and metabolism brought on by the obese state, which are truly associated with the development of co-morbidities such as diabetes, atherosclerosis, and hypertension. The long term goal of this initiative is to identify markers of obesity associated with disease risk that could yield new targets for therapeutics to disrupt this link.

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16. PA-07-058	See Related	NIDDK	11/20/2006	01/05/2007	05/02/2009	R01	Insulin Signaling And Receptor Cross-Talk (R01)
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The National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK) and the National Institute on Aging (NIA), National Institutes of Health (NIH), invite investigator-initiated research grant applications that will investigate crosstalk in insulin responses at molecular, cellular, and physiological levels. The purpose of this Funding Opportunity Announcement (FOA) is to stimulate novel and innovative research into the fundamental mechanism(s) of action of the insulin receptor in target tissues in the context of other cellular receptors and signaling pathways, and to broaden our understanding of how insulin signals act to regulate coordinated responses between and among insulin responsive tissues. Of particular interest is how such signaling interactions may affect the development and/or progression of diabetes and its complications. This FOA will utilize the NIH Research Project Grant (R01) award mechanism and runs in parallel with an FOA of identical scientific scope, [PA-06-176](#), that solicits applications under the Exploratory/Developmental (R21) grant mechanism. This Funding Opportunity Announcement (FOA) solicits investigator-initiated research projects that will define the mechanistic basis of crosstalk between the insulin receptor signaling pathway and other signaling pathways, with the goal of defining how insulin action is influenced by the complex microenvironment found in insulin responsive tissues

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17. PA-07-060	See Related	OBSSR	11/20/2006	01/05/2007	05/02/2008	R01	Methodology and Measurement in the Behavioral and Social Sciences (R01)
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The goal of this Funding Opportunity Announcement (FOA) is to encourage research that will improve the quality and scientific power of data collected in the behavioral and social sciences, relevant to the missions of the participating NIH Institutes and Centers. The participating NIH Institutes and Centers invite qualified researchers to submit research grant applications aimed at improving and developing methodology and measurement in the behavioral and social sciences through innovations in research design, data collection techniques, measurement, and data analysis techniques. Research that addresses methodology and measurement issues in diverse populations, issues in studying sensitive behaviors, issues of ethics in research, issues related to confidential data and the protection of research subjects, and issues in developing interdisciplinary, multi method, and multilevel approaches to behavioral and social science research is particularly encouraged, as are approaches that integrate behavioral and social science research with biological, physical, or computational science research or engineering.

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18. PAR-07-020	See Related	OBSSR	11/20/2006	01/05/2007	01/26/2010	R01	Understanding and Promoting Health Literacy (R01)
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The ultimate goal of this program announcement is to encourage empirical research on health literacy concepts, theory and interventions as these relate to the U.S. Department of Health and Human Services public health priorities that are outlined in its Healthier US and Healthy People 2010 initiatives. Health literacy is defined as the degree to which individuals have the capacity to obtain, process, and understand basic health information and services needed to make appropriate health decisions. This FOA will utilize the R01 grant mechanism and runs in parallel with FOAs of identical scientific scope, [PAR-07-019](#), that solicits applications under the R03 grant mechanism, and [PAR-07-018](#), that solicits applications under the R21 grant mechanism.

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19. PA-07-034	See Related	NINR	11/08/2006	01/05/2007	01/03/2010	R03	Focal Cognitive Deficits in CNS Disorders (R03)
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The purpose of this Funding Opportunity Announcement (FOA) issued by the National Institute of Nursing Research (NINR), National Institute on Aging (NIA), and the Office of Behavioral and Social Sciences Research (OBSSR) is to invite grant applications to expand basic and translational research, including intervention research, on the types, nature, and functional consequences of focal or specific cognitive deficits experienced by persons with central nervous system disorders. The OBSSR joins this FOA as part of its efforts to promote research on the behavioral and social aspects of health and illness. However, only participating ICs will provide direct grant support under this FOA.

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20. PA-07-035	See Related	NINR	11/08/2006	01/05/2007	01/03/2010	R21	Focal Cognitive Deficits in CNS Disorders (R21)
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The purpose of this FOA is to advance the study of focal, or specific and limited, cognitive deficits experienced by persons with non-dementing CNS disorders and the secondary effects of these cognitive deficits on their health and quality of life (QoL). This FOA also promotes the development of evidence and theory-based clinical interventions and therapeutics for cognitive impairment in persons with non-dementing CNS disorders. A goal of this FOA is to enhance cross- and inter-disciplinary biobehavioral cognitive research.

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21. PAR-07-019	See Related	OBSSR	10/27/2006	03/23/2007	01/26/2010	R03	Understanding and Promoting Health Literacy (R03)
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The ultimate goal of this program announcement is to encourage empirical research on health literacy concepts, theory and interventions as these relate to the U.S. Department of Health and Human Services a€™ public health priorities that are outlined in its Healthier US and Healthy People 2010 initiatives. Health literacy is defined as the degree to which individuals have the capacity to obtain, process, and understand basic health information and services needed to make appropriate health decisions.

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