DIRECTOR'S

STATUS REPORT

TO COUNCIL

September 2006

National Institute on Aging

DIRECTOR'S STATUS REPORT

National Institute on Aging

September 2006

Table of Contents

BUDGET and APPROPRIATIONS

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

FY2006

At this time the NIA is preparing to close out FY 2006. Since the last report to Council in May, the DHHS Secretary exercised his one-percent transfer authority to address unexpected needs in the Centers for Medicaid and Medicare Services. As a result of this action, the NIH appropriations were reduced by $19.5 million. The NIA share of this reduction was $719 thousand resulting in a total NIA appropriation of $1.046 billion, including $9.4 million targeted for roadmap activities. The final FY 2006 funding level for NIA represents approximately a 0.6 percent reduction from FY 2005.

This summer, the NIA proposed a reprogramming to reallocate $760,000 from Research and Development (R&D) Contracts to the Research Management and Support (RMS) mechanism. These funds are required to cover increases in utility and scientific review and evaluation costs. The NIA also reallocated $500,000 from Other Research to Research Training in order to maintain the number of trainees engaged in aging research at a level of about 530.

In FY 2006, the NIA estimates support of 1,486 Research Project Grants (RPGs), including 429 new and competing awards. The NIH policy for RPG funding is to reduce all non-competing awards by 2.35 percent from committed levels and to provide no increase over FY 2005 in the average cost of competing awards. Support levels for other extramural funding mechanisms include 77 research centers for $82.8 million; 240 other research grants, including 210 research career awards, for a total of $34.2 million; 530 full-time training positions for $22.6 million, and a total of $63.7 million for R&D contracts. This data includes the adjustments for the DHHS one-percent transfer and the proposed reprogramming.

FY 2007

On June 13, 2006, the House marked up the FY 2007 Labor, HHS appropriations bill. For most of the Institutes and Centers (ICs), including the NIA, the House allowance was equal to the FY 2007 President's Budget. On July 20, 2006, the Senate marked up the FY 2007 Labor, HHS appropriations bill. For the NIH, the Senate mark-up was $200.7 million higher than the President's Budget. For the NIA, the Senate mark-up of $1.049 billion was $3 million higher than the FY 2006 appropriation and $9.1 million higher than the FY 2007 President's Budget. Both the President's Budget and the House allowance assumed that average costs for both competing and non-competing RPGs would be straight-lined at the FY 2006 dollar levels. However, the Senate report included language that expressed the Committee's disappointment that the budget request would require NIH to break its funding commitments to existing grantees and states that "…to the extent resources allow, NIH should follow its cost management plan principles, which will help NIH continue to maintain the purchasing power of the research in which it invests."

At this time it is expected that further action of the bill will be delayed until after the November elections and it could be December before a final, compromise bill is approved. Therefore, once again, we should expect to be operating under a continuing resolution for the first several months of the next fiscal year.

A table of the FY 2007 NIA Budget by funding mechanism at the President's Budget level, together with some graphic displays, is included on the following pages. Please note that the FY 2005 column of these charts has been adjusted for comparability to the FY 2006 and 2007 levels for the funding of scientific review and evaluation grants that will be supported from the RMS funding mechanism rather than other research grants beginning in FY 2006.

FY 2008

Preliminary work on the budget for FY 2008 has begun using the FY 2007 President's Budget request as the base. After intermediate stages of review, the President's Budget request for FY 2008 will be presented to Congress in February 2007, at which time it will become available to the public.

NATIONAL INSTITUTES OF HEALTH

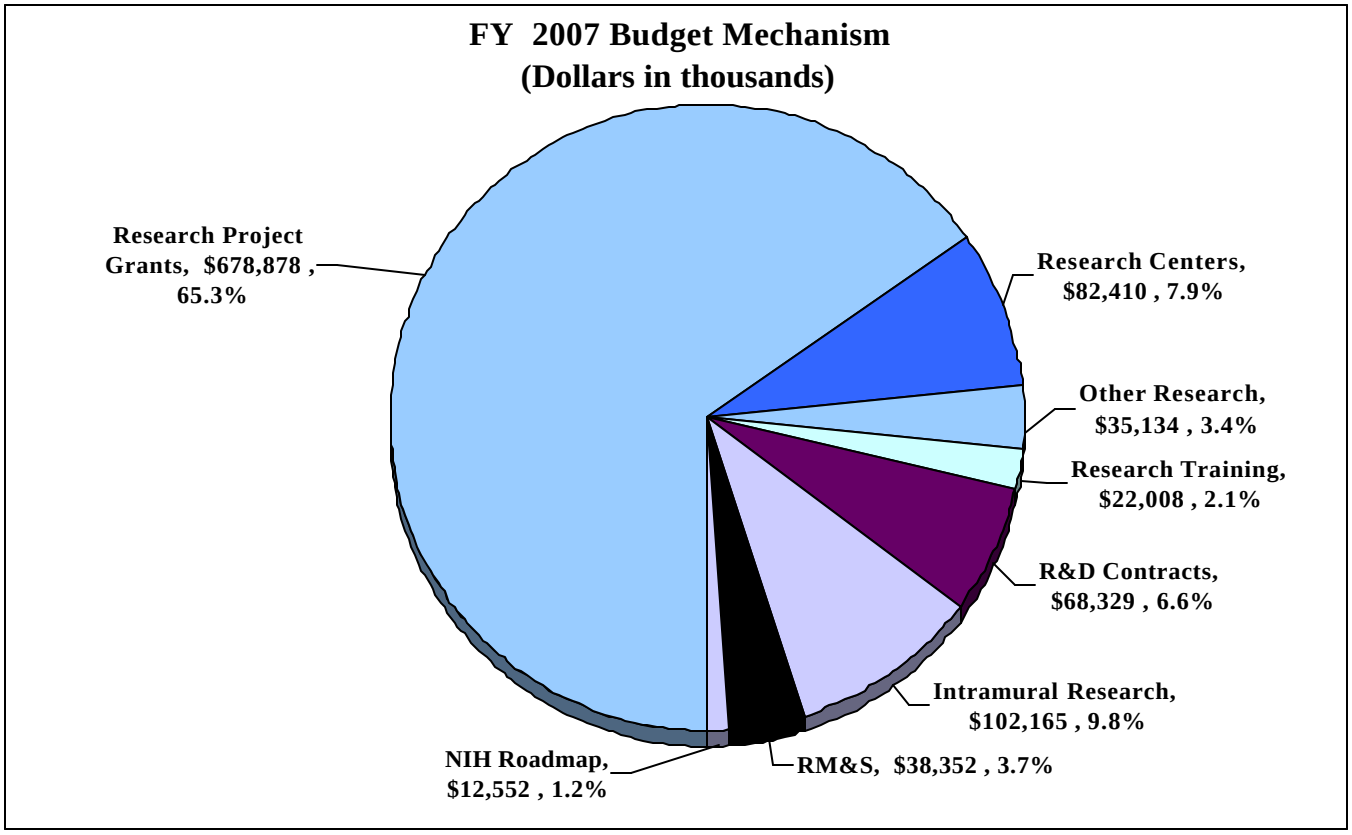
National Institute on Aging

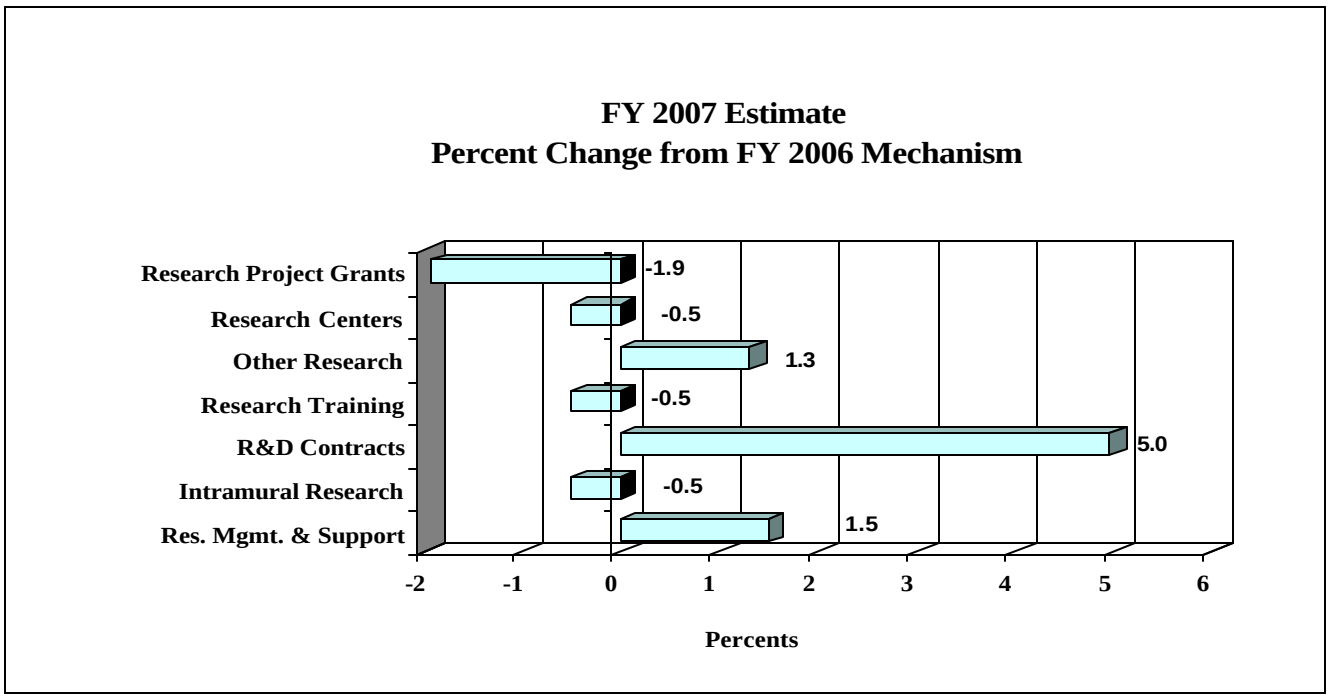
Budget Mechanism - Total

MECHANISM	FY 2005 Actual		FY 2006 Appropriation		FY 2007 Estimate	
Research Grants:	No.	Amount	No.	Amount	No.	Amount
Research Projects:						
Noncompeting	1,086	$535,182,000	1,057	$507,451,000	1,094	$502,093,000
Administrative supplements	(118)	15,171,000	(116)	13,079,000	(114)	7,150,000
Competing:						
Renewal	98	56,788,000	112	64,590,000	111	63,950,000
New	275	71,749,000	314	81,534,000	310	80,408,000
Supplements	3	466,000	3	464,000	3	464,000
Subtotal, competing	376	129,003,000	429	146,588,000	424	144,822,000
Subtotal, RPGs	1,462	679,356,000	1,486	667,118,000	1,518	654,065,000
SBIR/STTR	81	25,115,000	81	24,988,000	81	24,813,000
Subtotal, RPGs	1,543	704,471,000	1,567	692,106,000	1,599	678,878,000
Research Centers:						
Specialized/comprehensive	77	82,702,000	77	81,792,000	77	81,383,000
Clinical research	0	0	0	0	0	0
Biotechnology	0	0	0	0	0	0
Comparative medicine	0	1,043,000	0	1,032,000	0	1,027,000
Research Centers in Minority Institutions	0	0	0	0	0	0
Subtotal, Centers	77	83,745,000	77	82,824,000	77	82,410,000
Other Research:						
Research careers	199	25,791,000	210	27,485,000	215	27,978,000
Cancer education	0	0	0	0	0	0
Cooperative clinical research	2	994,000	2	983,000	2	978,000
Biomedical research support	0	0	0	0	0	0
Minority biomedical research support*	0	1,338,000	0	1,323,000	0	1,316,000
Other	29	4,140,000	30	4,886,000	30	4,862,000
Subtotal, Other Research	230	32,263,000	242	34,677,000	247	35,134,000
Total Research Grants	1,850	820,479,000	1,886	809,607,000	1,923	796,422,000
Research Training:	FTTPs		FTTPs		FTTPs	
Individual awards	52	2,276,000	49	2,251,000	49	2,240,000
Institutional awards	560	20,088,000	540	19,867,000	537	19,768,000
Total, Training	612	22,364,000	589	22,118,000	586	22,008,000
Research & development contracts	147	62,336,000	132	65,090,000	132	68,329,000
(SBIR/STTR)	(0)	(57,000)	(0)	(57,000)	(0)	(57,000)
	FTEs		FTEs		FTEs	
Intramural research	244	102,805,000	250	102,678,000	252	102,165,000
Research management and support	122	37,355,000	124	37,785,000	124	38,352,000
NIH Roadmap for Medical Research	0	6,651,000	0	9,353,000	0	12,552,000
Total, NIA	366	1,051,990,000	374	1,046,631,000	376	1,039,828,000
(Clinical Trials)		(73,164,000)		(72,600,000)		(71,900,000)

Note: The FY 2006 column does not reflect the reduction for the DHHS 1% transfer or the proposed NIA reprogramming.

*The Minority Biomedical Research Support Program is co-funded through the National Institute of General Medical Sciences (NIGMS) and the grant counts are reported in the NIGMS mechanism displays.


FY 2007 Budget Mechanism
(Dollars in thousands)
Research Project Grants, $678,878 , 65.3%
Research Centers, $82,410 , 7.9%
Other Research, $35,134 , 3.4%
Research Training, $22,008 , 2.1%
R&D Contracts, $68,329 , 6.6%
Intramural Research, $102,165 , 9.8%
RM&S, $38,352 , 3.7%
NIH Roadmap, $12,552 , 1.2%


FY 2007 Estimate
Percent Change from FY 2006 Mechanism
Research Project Grants
Research Centers
Other Research
Research Training
R&D Contracts
Intramural Research
Res. Mgmt. & Support
-1.9
-0.5
1.3
-0.5
5.0
-0.5
1.5
-2
-1
0
1
2
3
4
5
6
Percents

LEGISLATIVE UPDATE

I. Significant Legislative/Executive Action

A. **FY 2007 Appropriation for NIH/NIA** – On July 20, the full Senate Committee on Appropriations marked up H.R. 5647, the FY 2007 Labor, HHS, and Education Appropriations bill. The bill includes $28.5 billion for NIH, an increase of approximately $200 million over the President's Budget and the House level, excluding the Global HIV/AIDS Fund Transfer. This would represent an increase of approximately $9.1 million for NIA. No immediate action is expected on this measure.

B. **S. 2010, the Elder Justice Act** was approved by the Senate Finance Committee on August 3. Further action is pending.

II. Congressional Outreach Activities

A. On June 6, at the invitation of Senator Jay Rockefeller (D-W.VA), Drs. Richard Hodes and John Hardy presented at the Illuminations: Progress in Alzheimer's Research Symposium at the Blanchette Rockefeller Neurosciences Institute in Charleston, West Virginia. They also attended a dinner event at the Governor's Mansion with Governor Joe Manchin.

B. On June 19, Congressman Dingell (D-MI) and the University of Michigan held a press conference event in Washington, D.C. to announce the grant award for the renewal of the Health and Retirement Study. Drs. Richard Hodes and Richard Suzman attended with Drs. James Jackson and Robert Willis of Michigan. The press conference was followed by a working scientific discussion organized by the principal investigators.

C. On August 22, Dr. Hodes joined Senator Conrad Burns at their annual Quality of Living for Montana Seniors Conference. Dr. Hodes attended the Kalispell and Missoula sessions to discuss healthy aging and prevention with residents.

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

STAFF CHANGES

Dr. Erica Spotts joined the Behavioral and Social Research Program (BSR) as a Health Scientist Administrator on June 26, 2006. Her work will focus on behavioral genetics and aging, including management of the existing Genetics section in BSR, and advising on the development of genetic approaches throughout the BSR portfolio. Prior to joining BSR, she was an Assistant Research Professor at George Washington University, where she was co-investigator on several behavioral genetics grants funded by NIH. The overall theme of Dr. Spotts' research was the examination of the genetic and environmental mechanisms linking mental health and interpersonal relationships. She has taught various courses on Behavior Genetics at several universities as a guest lecturer, has served as an ad hoc reviewer for a number of journals, and as a peer reviewer on NIH study sections. Dr. Spotts earned her Ph.D. in Developmental Psychology at George Washington University.

Dr. Sanoj Suneja accepted a position in NIA's Office of Extramural Activities (OEA) in July 2006. Prior to joining NIA, Dr. Suneja worked as a Neuroscientist at the University of Connecticut Health Center (Farmington, CT). His past work focused on intracellular signaling mechanisms that helped understand plasticity in the adult auditory nervous system. Among his accomplishments in research, Dr. Suneja has published more than 40 research articles in peer reviewed scientific journals. He received a Gold Medal for his Ph.D. dissertation work. At the University of Connecticut Health Center, he was awarded the Minority Achievement Award for his outstanding research contributions in the Neuroscience Department. Currently, he serves as a reviewer for various scientific journals in neurosciences such as *Neurochemical Research, European Journal of Neuroscience, Brain Research, Ear and Hearing*. He will help OEA maintain and develop data on grant application and award trends as well as assist the Office in maintaining and improving website content and design for trainees and new investigators, as well as for funding opportunities and for NIA extramural policies.

Dr. Wilbur Hadden joined the staff of the Scientific Review Office (SRO) in June. He holds a Ph.D. degree in sociology from the University of Maryland. Before joining NIA he worked at the National Center for Health Statistics, which is a part of CDC. There, he performed various roles for the National Health and Nutrition Examination Survey, authored several papers published in peer-reviewed journals on socioeconomic status and health disparities, and worked in the Research Data Center. He also worked on the National Health Survey of Pakistan. In NIA/SRO he will be administering the review of applications, especially those in behavioral and social science.

Dr. Jill Carrington accepted the position of Deputy Director, Biology of Aging Program (BAP). Prior to joining NIA, Dr. Carrington was an Assistant Professor of Anatomy at the Uniformed Services University of the Health Sciences, Bethesda, MD, a Scientific Review Administrator at the National Center for Research Resources (NCRR), and subsequently Director of the Biological Models and Materials Program at NCRR. Since joining BAP in 2000, Dr. Carrington has been Chief of the Systems Branch. She will apply her broad scientific knowledge and her administrative experience in her new role as Deputy Director, BAP, and will continue to direct BAP's Musculoskeletal Biology Program.

Dr. Molly Wagster was selected as the new Chief of the Neuropsychology of Aging Branch in the Neuroscience and Neuropsychology of Aging (NNA) Program. Dr. Wagster's academic background is in Experimental Psychology, specifically in the field of behavioral neuroscience. Prior to joining NIA as a Health Science Administrator in October 1997, she completed a postdoctoral fellowship in the Department of Pathology, Division of Neuropathology, at the Johns Hopkins University School of Medicine, and served as a faculty member in the same department, investigating neural mechanisms of learning and memory changes with age in animal models and in relation to cognitive decline in age-related neurodegenerative diseases. Dr. Wagster will continue to have responsibility for the Cognitive and Affective Neuroscience section of the Neuropsychology of Aging Branch and will additionally oversee the Sensory and Motor Disorders of Aging section.

Dr. Frank Bellino, Deputy Director of the Biology of Aging Program (BAP), retired in June. He joined the NIA in 1991 after a year on the NIH Grants Associates program. He was the program administrator for the Endocrinology and Physiology programs in BAP since that time

and was selected for the Deputy Director position in 2000. Dr. Bellino served two terms as Acting Director, BAP.

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

I. Meetings Held

Minority Research in the Basic Biology of Aging – May 30-31 – Staff of NIA held an exploratory workshop on this topic on May 30-31, 2006, in Bethesda. The goal of the workshop was to orient young or new investigators coming from diverse backgrounds about funding opportunities and issues of interest to BAP. The targeted population consisted of individuals who have already trained with BAP-funded investigators, and/or whose mentors have successfully applied to PA-05-015 (NIH Research Supplements to Promote Diversity in Health-Related Research). The long-term goal is to have these under-represented faculty/students go on to apply for R03, R21 and R01 grant awards on biology of aging-related topics. (For information contact: Dr. Felipe Sierra, BAP, Ph: 301-496-6402.)

Biological Indicators Workshop, June 1-2 - The National Academy of Sciences' Committee on Population organized an exploratory workshop in Washington, DC, on Advances in Collecting and Utilizing Biological Indicators and Genetic Information in Social Science Surveys. This was the latest in a series of meetings funded by NIA that followed up on the *Cells and Surveys* publication. Rapid technical developments in collection and analysis of biological data have made it more feasible to collect biological data in non-clinical settings than ever before. Consequently, there is ever-increasing pressure for multipurpose household surveys to collect biological data along with more familiar interviewer-respondent question-and-answer type of data. The purpose of this meeting was to review some of the changes that have taken place in the past five years in this rapidly moving field, update important findings and perspectives, discuss the methodological challenges of an integrative approach to the study of aging health that incorporates both biological and social science elements, and discuss how to safeguard individuals from the misuse of data. Twelve papers were commissioned for presentation at the workshop. Following a period of review and revision, these papers will be published in a volume by National Academies Press. (For information, contact Dr. John Haaga, BSR, 301-496-3136.)

Exploring the Links between Obesity and Alzheimer's Disease – June 20-21 - This two-day multidisciplinary exploratory workshop was held on June 20-21, 2006, in Bethesda, MD. The workshop was organized and sponsored by NIA's Neuroscience and Neuropsychology of Aging (NNA) Program. Co-sponsorship was provided by NIA's Geriatrics and Clinical Gerontology (GCG) Program, the NIH Office of Dietary Supplements, and the Alzheimer's Association. The purpose of the workshop was to examine how obesity and other components of metabolic syndrome influence cognitive function, normal brain aging, and the transition between normal brain aging and pathological brain aging characteristic of Alzheimer's disease (AD). The participants critically appraised the present state of knowledge on these subjects and discussed newly emerging avenues of research that may enhance our understanding of processes that initiate AD pathogenesis. New therapeutic opportunities for the prevention and treatment of Alzheimer's disease were also discussed. In addition to 21 speakers, the workshop convened guests from all NIA programs, other NIH ICs and several relevant organizations such as the

Alzheimer's Association, the Institute for the Study of Aging, the American Diabetes Association and the Food and Drug Administration. The Alzheimer Research Forum (*Alzforum*) will provide coverage of the workshop for the greater extramural community at http://www.alzforum.org. Proceedings of the workshop will be published as a Special Issue supplement of the journal *Current Alzheimer Research*. (For information contact: Dr. Suzana Petanceska, NNA, Ph: 301-496-9350.)

New Interventions for Menopausal Symptoms – July 11-12 - As a follow-up to the March 21-23, 2005, *"NIH State-of-the-Science (SoS) Conference on Management of Menopause-Related Symptoms,"* an action plan was initiated to seek input from extramural researchers to help prioritize the intervention-related research recommendations from the SoS conference for implementation. On July 11-12, 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 NIH Office of Dietary Supplements (ODS) and the National Cancer Institute (NCI) convened an advisory think-tank panel of 11 investigators with expertise in reproductive endocrinology, the epidemiology of-- and mechanisms responsible for-- menopause-related symptoms, quality of life issues, management of menopause-related symptoms, complementary and alternative medicine, and clinical trials design and methodology. Representatives from the Food and Drug Administration (FDA) also participated. The second meeting of the think tank will take place on November 20-21, 2006. An executive summary of the think tank's deliberations and recommendations will be developed. (For information, contact Dr. Sherry Sherman, GCG, Ph: 301-435-3048)

NAS Expert Meeting to Provide Input on Aging to Commission on Social Determinants of Health - July 12-13 - The Director-General of the World Health Organization set up a Commission on Social Determinants of Health (CSDH) to address gross inequalities in health between countries and among social groups within countries. CSDH aims to produce the evidence that will help generate a global movement to address the social determinants of health, through involvement of governments, academic institutions, and civil society groups in every region of the world. In cooperation with the CSDH, NIA asked the Committee on Population of the National Academy of Sciences (NAS) to convene this exploratory meeting of international experts in demography, economics, and population health to review the early products of the CSDH-commissioned Analytical and Strategic Review by a dozen Knowledge Networks, and provide reactions on how population aging could inform their work for the Commission.

As follow-up, the NAS Committee will commission papers on the cross-national evidence on social determinants of health at older ages and actions that could be taken specifically to address health disparities at older ages. These papers will be discussed and refined at a workshop to be held in 2007, feeding into the final report of the CSDH. (For information, contact: Dr. Richard Suzman, BSR, 301-496-3131.)

Height, Health and Living Standards – July 18-19 - This NIA-sponsored exploratory meeting was a follow-up to the 2004 Princeton meeting on the Determinants of Mortality. International and U.S. experts gathered in Princeton, New Jersey, to discuss height as a measure of adult health and mortality risk, useful for measuring changes over time and differences across populations in the burden of disease; childhood determinants of adult height; and the economic

consequences of poor health. (For information, contact Dr. Richard Suzman, BSR, 301-496-3136.)

Neuroeconomics and Aging – July 26 - NIA/BSR co-sponsored with the National Science Foundation a one-day exploratory workshop on Neuroeconomics and Aging, as an adjunct to the Summer School in Neuroeconomics held from July 17-28, 2006, at Stanford University. The focus of the workshop was on behavioral and neuroscience research on inter-temporal choice. The workshop was a part of a high-priority BSR initiative in Neuroeconomics, an exciting new interdisciplinary field that merges neuroscience, psychology, and economics. The first Summer School in Neuroeconomics provided BSR with a unique opportunity to have both experts and junior researchers consider research topics in neuroeconomics of relevance to aging and to speak with a program representative about BSR research priorities. The subject area also relates to other BSR initiatives in decision making and retirement. (For information, contact Drs. Lis Nielsen, Jeff Elias, John Phillips, BSR, at 301-402-4156.)

Genetics Data Sharing Meeting - August 2-3 - The purpose of this exploratory workshop in Bethesda, MD, was to (1) explore issues surrounding data sharing plans and policies for BSR studies that collect DNA; (2) provide a forum for investigator input on these issues; and (3) discuss issues likely to be relevant for a future data sharing policy for behavioral and social data sets that include genetic data.

BSR held preliminary discussions with several BSR-funded PIs regarding concerns and experiences surrounding data sharing, and we gathered background information from several studies that have collected DNA and phenotypic information including: Add Health, Framingham, Study of Women's Health Across the Nation (SWAN), National Health and Nutrition Examination Survey (NHANES), NIA Alzheimer's Centers, Health ABC. (For information, contact Dr. Jennifer Harris BSR, Ph: 301-496-3136.)

Working Group on Decision-Making – August 16-17 - An exploratory working group on Decision Making, with an emphasis on the cognitive and affective factors in aging that affect decision making and risk taking, met August 16-17, 2006, in Bethesda, MD. The meeting focused on physiological reward mechanisms and decision making, working memory restrictions on decision making, risk taking and financial decision making, managerial decision making, and the development of hierarchical cognitive models in decision making. The utility of research in the specific areas of research for application to wide areas of decision making was a focus of the presentations. Participants included investigators who are advanced in their fields and those in the earlier years of their careers.

This meeting formed part of a series of related meetings and teleconferences. A previous meeting of the Working Group on Decision Making was held in August 2005, where economists, medical researchers, and psychologists met to discuss the numerous facets of decision making particularly as it related to aging. A subsequent teleconference of economists and psychologists dealt with the emerging area of neuroeconomics. At a workshop in March 2006 at Stanford University, prominent research in aging and economics was presented within the perspective of merging perspectives from the two disciplines, in addition to developing the emerging area of neuroeconomics. A National Academies of Science meeting on decision making in aging in October 2005 focused on neuropsychological models of decision making, cognition, numeracy,

health literacy, heuristic models, decision aids, and social support models of decision making. (For information, contact
Dr. Jeffrey Elias, BSR, Ph: 301-496-3136.)

Workshop on Identifying New Interventions to Promote Disability Decline in Elderly Populations – September 14-15 - This exploratory meeting was organized by the Committee on Population of the National Academy of Sciences and funded by NIA. The meeting, held in Washington, DC, brought together experts from a wide variety of fields to consider new approaches to community-level interventions designed to reduce disability at older ages. Specific topics included uses of cost-effectiveness analysis to rank interventions, relevant findings from the international Disease Control Priority Program, community interventions and prospects for interdisciplinary research, translating and scaling up interventions, and other lessons from clinical and personal interventions to prevent/mitigate disability. (For information, contact Dr. John Haaga, BSR, 301-496-3136.)

Systems Biology and Human Aging – September 19-20 - A one-day exploratory workshop on Systems Biology and Human Aging was held on September 18, 2006, in Bethesda, MD. The broad goal of this workshop was for selected members of the NIA program staff to hear from leaders in the fields of aging research and systems biology on the current status of applying systems biology approaches to advance our understanding of human aging. The aging focus of the workshop was on frailty rather than lifespan. Drs. Leroy Hood, Nir Barzilai, and Michal Jazwinski led discussion on the tools of systems biology that can and have been applied to human populations. These discussions included the use of comparative and evolutionary approaches to define networks which are not limited to the broadly used model organisms, and whether systems biology can determine if frailty is associated with an age-dependent loss of network complexity or increased system noise. (For information contact Dr. Ronald Kohanski, BAP, Ph: 301-496-0836.)

Uncoupling and Aging – September 19-20 - This exploratory workshop on Uncoupling and Aging was held September 19-20, 2006, in Bethesda, MD. The purpose of the workshop was to bring researchers working on aging together with researchers who study uncoupling proteins. Discussions focused on the role of uncoupling proteins in oxidative damage and the possible effect that modulation of uncoupling protein expression might have in the generation of reactive oxygen species and aging. (For information, contact Dr. David Finkelstein, BAP, Ph: 301-496-7847.)

Functional Decline of the Aging Respiratory System – September 20-21 - An exploratory workshop on Functional Decline of the Aging Respiratory System was held September 20-21, 2006, in Bethesda, MD. The purpose of the workshop was to invite investigators with research and clinical expertise in lung function and chronic diseases of the respiratory system to discuss recent findings on how aging affects these processes. Among the areas of significant basic and clinical research that were highlighted in this workshop were (1) the advent of stem cells as a potential therapy for treating chronic lung diseases, and (2) the significance of age as an independent risk factor in co-morbidities of lung diseases. There was also discussion of the complicating factors introduced by age in the diagnosis of chronic obstructive pulmonary disease. (For information, contact Dr. Ronald Kohanski, BAP, Ph: 301-402-0836; Dr. Susan Nayfield, GCG, 301/496-6761.)

II. Meetings Planned

REMINDER: Unexplained Anemia in the Elderly (UAE): Clinical Trials Opportunities – October 5-6 - An advisory workshop on unexplained anemia in the elderly is scheduled for October 5-6, 2006, in Bethesda, MD. The workshop was presented for review at the May 2006 Council meeting. The purpose of this workshop will be to review such important issues as prevalence and causes of UAE, the implications of co-morbid conditions in the elderly with UAE in selecting study populations, current clinical practice in diagnosis of UAE, available and potential options for its treatment, and design considerations for possible future clinical trials. A research initiative may be published as a result of this workshop. (For information contact: Dr. Sergei Romashkan, GCG, Ph: 301-435-3047.)

Small Animal Models of Multiple Morbidities in Aging – October 16-17 - The Geriatrics and Clinical Gerontology (GCG) Program, NIA, will hold an exploratory workshop on October 16-17, 2006, in Bethesda, MD, to evaluate the potential for creating small animal models of co-occurring disease processes that are representative of those common in human elders. Researchers with expertise in rodent model development and use will review existing models of chronic diseases (including hypertension, heart failure, atherosclerosis, chronic renal disease, diabetes, pulmonary inflammation, and anemia) and explore the possible extension of existing models to include multiple disease processes. Program staff from NIA and other collaborating ICs with relevant rodent model programs (e.g., NHLBI and NIDDK) will participate in the further development of this new model concept. (For information, contact Drs. Susan Nayfield or Ying Tian, GCG, Ph: 301-496-6761.)

Expert Workshop on National Health Accounts – October 19 - The goal of this **NIA-sponsored** exploratory meeting is to review and inform work led by Prof. David Cutler on the development of a revised set of National Health Accounts. Since 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 will be convened at the National Bureau of Economic Research in Cambridge, Massachusetts. (For information, contact Dr. John Phillips, BSR, Ph: 301-496-3138.)

Alzheimer's Disease: Setting the Research Agenda a Century after Auguste D – October 26-27 In conjunction with the 100th anniversary of Dr. Alois Alzheimer's presentation of the case study of an individual, Auguste D, with the disease subsequently named for him, NIA's Neuroscience and Neuropsychology of Aging (NNA) Program will co-sponsor 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 will include scientists from a broad range of disciplines for the purpose of evaluating the current state of Alzheimer's disease research and suggesting research directions for the future. (Contact: Dr. Neil Buckholtz, NNA, Ph: 301-496-9350)

Workshop on Social Neuroscience of Aging – Winter 2006 – BSR/NIA will organize an exploratory workshop to outline a research agenda in the social neuroscience of aging. 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. The workshop will be held in late 2006 or early 2007. (For information, contact Dr. Lis Nielsen, BSR, Ph: 301-496-3136.)

Workshop on the Harmonization of Longitudinal Aging Surveys for Cross-National Comparative Studies in Aging – February 2007 - This exploratory **NIA-sponsored** workshop, to be held in Chiang Mai, Thailand, will gather together a group of renowned 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.)

Exploratory Workshop on the Economic Value of Good Health – February 2007 - The goal of this **NIA-sponsored** workshop is to gather together a group of renowned 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, CA, is a starting point for considering future directions in this important line of research. (For information, contact
Dr. John Phillips, BSR, Ph: 301-496-3138.)

Fatigue in the Elderly – Spring 2007 - The Geriatrics and Clinical Gerontology (GCG) Program, NIA, will hold an exploratory workshop in the spring of 2007 in Bethesda, MD, on unexplained fatigue among older patients. The goal of the workshop is to begin to establish a scientific basis for research and identify a preliminary approach to investigating the clinical problem of fatigue among the elderly. The workshop will include clinical researchers in geriatrics and other specialties with expertise relating to fatigue, as well as basic scientists with expertise relevant to the etiology and pathophysiology of fatigue (e.g., muscle biology, metabolism, and pharmacology). The results of this working group will guide the development of a larger research conference co-sponsored by the American Geriatrics Society and the University of Pittsburgh planned for early 2008. (For information, contact Dr. Susan Nayfield, GCG, Ph: 301-496-6761.)

GENERAL INFORMATION

Staff Awards

Drs. Andrew Monjan, Susan Molchan, Creighton Phelps, and Bradley Wise, NNA, were honored at the NIH Blueprint awards ceremony on July 27 for their efforts relative to the NIH Neuroscience Blueprint activities.

Dr. John Hardy, Laboratory of Neurogenetics, received the NIH Director's Award in recognition of seminal contributions in elucidating genetic mechanisms of Alzheimer's disease and Parkinson's disease.

Dr. Rafael de Cabo, Laboratory of Experimental Gerontology, has been selected to become a member of the board for the American Aging Association for a five year term, beginning in 2006. Dr. de Cabo will also be serving as the new representative for NIA on the NIH Tenure Track Investigator Committee.

The following NIA staff members were recipients of NIH and PHS awards:

- **John A. Hardy, Ph.D. - NIH Director's Award- Individual**
  In recognition of seminal contributions in elucidating genetic mechanisms of Alzheimer's disease and Parkinson's disease
- **Joan T. Sheehan - NIH Director's Award - Individual**
  In recognition of long-standing dedication to the National Institute on Aging and the National Institutes of Health
- **J. Taylor Harden, R.N., Ph.D., F.A.A.N. - NIH Director's Award- Individual**
  In recognition of exceptional contributions in advancing efforts to promote diversity in research at the NIH
- **Lynn C. Hellinger - NIH Mentoring Award - Individual**
  In recognition of outstanding accomplishment in establishing and executing mentoring programs at the NIH
- **Robin A. Barr, D.Phil. - NIH Director's Award - Group**
  NIH New Investigators Committee: In recognition of the development and implementation of new and innovative strategies and programs that will facilitate the recruitment of new investigators.
- **Captains Neil S. Buckholtz, Ph.D., and Susan E. Molchan, Ph.D. - Outstanding Unit Citation (PHS Ribbon)**
  For successfully developing the Alzheimer's Disease Neuroimaging Initiative, a public-private partnership to identify biomarkers for Alzheimer's disease, accelerating diagnosis and clinical trials.

News Releases

Fifteen press releases were distributed, generating 185 clips in print and internet outlets, reaching nearly 106 million people. Press release topics ranged from low calorie diet affecting aging-related factors to the discovery of a new frontotemporal dementia gene; from the finding that middle-aged Americans are not as healthy as their English counterparts to research showing that lifestyle changes can help older Hispanics manage diabetes. (For information, contact Ms. Vicky Cahan, OCPL, Ph. 301-496-1752.)

New Publication Funded by BSR/NIA:

- National Research Council of the National Academies of Sciences – *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. (The report is available at: **http://darwin.nap.edu/openbook.php?record_id=11708&page=R1).**

Publications updated or reprinted:

- *Genes, Lifestyles, and Crossword Puzzles: Can Alzheimer's Disease be Prevented?*
- *ADEAR Publications List*
- *Guia de la Enfermedad de Alzheimer* (formerly the Spanish Alzheimer's disease fact sheet)
- *Forgetfulness: It's Not Always What You Think, Age Page* (Spanish)
- *Home Safety for People with Alzheimer's Disease*
- *Caregiver Guide: Tips for AD Caregivers*
- *Proteccion en el Hogar* (Spanish Home Safety)
- *NIA Publications List*
- *What's Your Aging IQ*?
- *AD Speaker's Kit* CD-ROM
- *NIA Publications* CD-ROM

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

Meetings and Exhibits

- NIA and Alzheimer's Disease Education and Referral Center (ADEAR) publications were distributed at the following meetings and exhibits: American Association of Homes and Services for the Aging, American College of Physicians, University of California San Diego AD Conference, Centers for Disease Control/Alzheimer's research meeting, American Geriatrics Society, National Rural Health Association, Medical Library Association, American Academy of Physician Assistants, Office of Research on Women's Health (ORWH) Women's Health Week exhibit, Alzheimer's Disease Centers Continuing Medical Education (ADC CME) conference on dementia, American Academy of Nurse Practitioners, National Association of Nutrition and Aging Services Providers, A Wider Circle Health and Wellness Fair, Alliance for Information and Referral Systems conference, Office of Research on Women's Health (ORWH) Caregiving seminar, Montgomery County Women's Fair, Family Health & Caregiver Expo. (For information, contact Ms. Vicky Cahan, OCPL, Ph. 301-496-1752.)

Publication and Press Awards

The following publications and press releases won awards:

- *Genes, Lifestyles, and Crossword Puzzles: Can Alzheimer's Disease be Prevented?*
  - First Place, National Association of Government Communicators Blue Pencil Awards
  - Award of Distinction, Communicator Awards
- *NIA Aging Hearts and Arteries: A Scientific Quest*
  Second Place, National Association of Government Communicators Blue Pencil Awards
- *Working with Your Older Patient*
  Second Place, National Association of Government Communicators Blue Pencil Awards
- *Diet, Exercise, Stimulating Environment Help Old Dogs Learn (News Release)*

First Place, National Association of Government Communicators Blue Pencil Awards

- *Progress Report on AD, 2004-2005*
  Silver (highest award given in the category), National Mature Media Awards
- *So Far Away: Twenty Questions for Long-Distance Caregivers*
  Silver (highest award given in the category), National Mature Media Awards
- *Talking With Your Doctor: A Guide for Older People*
  Silver (highest award given in the category), National Mature Media Awards
- *Can Alzheimer's Disease Be Prevented?*
  Merit, National Mature Media Awards
- *There's No Place Like Home – For Growing Old*
  Merit, National Mature Media Awards

(For 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 April 19, 2006 – August 11, 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
(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	Opening Date (SF424 Only)	Expiration Date	Activity Code(s)	Title
1	NOT-AG-06-010	NIA	08/01/2006	n/a	n/a		Notice of Limited Competition for Postdoctoral Training in Research on Aging in Canada (F32; PA-06-469)

2	NOT-AG-06-009	NIA	07/27/2006	n/a	n/a		Announcing the National Research Council report "Aging in Sub-Saharan Africa: Recommendations for Furthering Research"

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	Opening Date (SF424 Only)	Expiration Date	Activity Code(s)	Title
1	NOT-OD-06-086	NIH	08/11/2006	n/a	n/a		NIH Policy on Late Submission of Grant Applications
2	NOT-OD-06-091	NIH	08/08/2006	n/a	n/a		Small Business Innovation Research (SBIR) Program Contract Solicitation Now Available
3	NOT-OD-06-093	NIH	08/18/2006	n/a	n/a		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
4	NOT-OD-06-088	NIH	08/02/2006	n/a	n/a		Request for Information (RFI): Proposed Change in Grant Appendix Materials
5	NOT-OD-06-089	NIH	08/02/2006	n/a	n/a		NIH Offers SBIR Niche Assessment Program to Phase I Awardees
6	NOT-OD-06-087	NIH	07/27/2006	n/a	n/a		SF424(R&R) Research &

							Related Senior/Key Person Profile Form Issue – Workaround for Adding More Than Eight Senior/Key Persons
7	NOT-OD-06-083	NIH	07/14/2006	n/a	n/a		NIH Announces the Opportunity for Funded Extensions and/or One-Time Administrative Supplements to Grants Located in New Orleans Affected by Hurricane Katrina
8	NOT-OD-06-085	NIH	07/14/2006	n/a	n/a		NIH/AHRQ Reminder to Use Updated SF424 (R&R) and Agency-Specific Electronic Forms in Reposted FOAs
9	NOT-OD-06-082	NIH	07/13/2006	n/a	n/a		November IACUC 101 and 102 Plus Workshops in Hawaii
10	NOT-OD-06-081	NIH	07/11/2006	n/a	n/a		NIH Offers Commercialization Assistance Program to SBIR Phase II Awardees
11	NOT-OD-06-080	NIH	07/06/2006	n/a	n/a		Review of Ranking Information
12	NOT-OD-06-079	NIH	06/27/2006	n/a	n/a		Reminder: All R18/U18, C06/UC6 and 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
13	NOT-OD-06-078	NIH	06/22/2006	n/a	n/a		NIH/AHRQ to Update/Post FOAs with New SF424 (R&R) and PHS 398 Electronic Forms
14	NOT-OD-06-077	NIH	06/21/2006	n/a	n/a		Streamlined Review Process to be used for Ruth L. Kirschstein

							National Research Service Awards (NRSA) Postdoctoral Fellowship Applications (F32)
15	NOT-OD-06-074	NIH	06/07/2006	n/a	n/a		Reminder for Applicants Considering the Multiple PI Option
16	NOT-OD-06-073	NIH	06/06/2006	n/a	n/a		REQUEST FOR PUBLIC COMMENT: Draft Report on Policy Issues Associated with Undertaking a Large U.S. Population Cohort Project on Genes, Environment, and Disease
17	NOT-OD-06-071	NIH	05/15/2006	n/a	n/a		Notice to Applicants for NIH Genome-Wide Association Studies
18	NOT-OD-06-069	NIH	05/11/2006	n/a	n/a		Multiple PI Implementation Update

19	NOT-OD-06-068	NIH	05/04/2006	n/a	n/a		Reminder: All R03, R21, R21/R33, R33 and R34 Grant Applications Must Use SF424 (R&R) and Grants.gov for the June 1, 2006, Submission Date and Beyond
20	NOT-OD-06-064	NIH	05/03/2006	n/a	n/a		Solicitation of Comments: Proposed Modifications to Policies Governing Funding of Tuition, Fees, and Health Insurance on Ruth L. Kirschstein National Research Service Awards
21	NOT-OD-06-066	NIH	05/03/2006	n/a	n/a		NIH Announces Plans to Eliminate Mailing of Paper Assignment and Change of Assignment Letters
22	NOT-OD-06-063	NIH	05/01/2006	n/a	n/a		Extension of Expiration Date for Mentored Clinical Scientist Development Award (K08) and Independent Scientist Award (K02) Funding Opportunity Announcem ents

23	NOT-OD-06-062	NIH	04/27/2006	n/a	n/a		Announcing availability of pre-registration for the NIH Regional Seminar on Program Funding and Grants Administration, to be held in Riverside, California

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	Opening Date (SF424 Only)	Expiration Date	Activity Code(s)	Title
1	NOT-MH-06-117	NBNR	07/25/2006	n/a	n/a		Additional Extension for Request for Information (RFI): Tools and Resources for Research in Neurodevelopment (Neuroscience Blueprint)
2	NOT-MH-06-116	NBNR	06/15/2006	n/a	n/a		Notice of Extension for Request for Information (RFI): Tools and Resources for Research in Neurodevelopment (Neuroscience Blueprint)
3	NOT-MH-06-114	NBNR	05/31/2006	n/a	n/a		Request for Information (RFI): Tools and Resources for Research in Neurodevelopment (Neuroscience Blueprint)

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

#	Announcement Number	Issuing Organization	Release Date	Opening Date (SF424 Only)	Expiration Date	Activity Code(s)	Title
1	PA-06-512	NIH	08/07/2006	n/a	09/02/2009	K08	Mentored Clinical Scientist Research Career Development Award (K08)

The Mentored Clinical Scientist Research Career Development Award (K08) represents the continuation of a long-standing NIH program that provides support and "protected time" to individuals with a clinical doctoral degree for an intensive, supervised research career development experience in the fields of biomedical and behavioral research, including translational research. Individuals with a clinical doctoral degree interested in pursuing a career in patient-oriented research should refer to the NIH Mentored Patient-Oriented Research Career Development Award (K23).

Robin A. Barr, D. Phil.
National Institute on Aging
Bethesda, MD 20892-9205
Phone: 301-496-9322
Email: BarrR@mail.nih.gov

#	Announcement Number	Issuing Organization	Release Date	Opening Date (SF424 Only)	Expiration Date	Activity Code(s)	Title
2	PA-06-481	NIH	07/21/2006	n/a	11/16/2009	F31	Ruth L. Kirschstein National Research Service Awards for Individual Predoctoral Fellowships (F31) to Promote Diversity in Health-Related Research

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.

Michael-David ARR Kerns, MBA, MS, PhD
NIA, Office of Extramural Activities
Bethesda, MD 20852
Tel.: 301-402-7713
Email" kernsmd@mail.nih.gov

3	PA-06-468	NIH	06/16/2006	n/a	09/02/2009	T32	Ruth L. Kirschstein National Research Service Award (NRSA) Institutional Research Training Grants (T32)

The primary objective is to prepare qualified individuals for careers that have a significant impact on the health-related research needs of the Nation.

The purpose of the NRSA research training program is to help ensure that a diverse and highly trained workforce is available to assume leadership roles related to the Nation's biomedical and behavioral research agenda.

Michael-David ARR Kerns , MBA, MS, PhD NIA,
Bethesda, MD 20892
Telephone: (301) 402-7713
E-mail: kernsmd@mail.nih.gov

4	PA-06-369	NIH	04/26/2006	n/a	05/02/2009	R01	Research On Ethical Issues In Human Subjects Research (R01)

This Funding Opportunity Announcement (FOA) issued by the National Institutes of Health (NIH) solicits research project grant applications (R01) addressing ethical issues that accompany the conduct of research involving human subjects

The purpose of this funding opportunity announcement is to solicit research addressing the ethical challenges of human subjects research in order to optimize the protection of human subjects and enhance the ethical conduct of human subjects research.

The research design for studies on ethical issues in human subject's research should be appropriate to the nature of the project(s) proposed and the disciplines involved. Given the conceptual and methodological complexity of many of these research questions, interdisciplinary and collaborative projects are encouraged, particularly those involving clinical researchers, ethicists, and behavioral/social scientists.

Neil Buckholtz, Ph.D.
National Institute on Aging
Bethesda, MD 20892-9205
Telephone: (301) 496-9350
Email: buckholn@nia.nih.gov

5	PA-06-368	NIH	04/26/2006	05/02/2006	05/02/2009	R21	Research On Ethical Issues In Human Subjects Research (R21)

This Funding Opportunity Announcement (FOA) issued by the National Institutes of Health (NIH) solicits Exploratory/Developmental Research Grant applications (R21) addressing ethical issues that accompany the conduct of research involving human subjects.

The purpose of this funding opportunity announcement is to solicit research addressing the ethical challenges of human subjects research in order to optimize the protection of human subjects and enhance the ethical conduct of human subjects research.

The research design for studies on ethical issues in human subjects research should be appropriate to the nature of the project(s) proposed and the disciplines involved. Given the conceptual and methodological complexity of many of these research questions, interdisciplinary and collaborative projects are encouraged, particularly those involving clinical researchers, ethicists, and behavioral/social scientists.

Neil Buckholtz, Ph.D.
National Institute on Aging
Bethesda, MD 20892-9205
Telephone: (301) 496-9350
Email: buckholn@nia.nih.gov

FUNDING OPPORTUNITIES – RFAs and PAs –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	Opening Date (SF424 Only)	Expiration Date	Activity Code(s)	Title
1	RFA-AG-06-009	NIA	08/04/2006	09/25/2006	10/25/2006	R21	Developmental Research on Elder Mistreatment (R21)

This Funding Opportunity Announcement (FOA) will utilize the Exploratory/Development award mechanism (R21; see http://grants2.nih.gov/grants/funding/r21.htm) to initiate the systematic scientific study of Elder Mistreatment. Several of the basic priority areas elaborated in the National Academy of Sciences publication ***Elder Mistreatment. Abuse, Neglect, and Exploitation in an Aging America*** (2003) are included in this solicitation. This FOA addresses initial scientific stages for understanding Elder Mistreatment in community and institutional settings. These research priority areas include: (1) innovative methods for estimating incidence; (2) standardization of definitions and measurement; (3) elaboration of risk factors; (4) methods of survey, clinical, and psychosocial identification of Elder Mistreatment; and (5) identification of Elder Mistreatment in institutional settings. NIA seeks scientific pilot or developmental research on the tools and feasibility of conducting a national incidence study of elder mistreatment.

Dr. Sidney M. Stahl, Chief
National Institute on Aging
Bethesda, MD 20892-9205
Telephone: (301) 402-4156
Email: Sidney_Stahl@nih.gov

2	RFA-AG-06-008	NIA	08/03/2006	n/a	11/24/2006	K01	Promoting Aging Research Careers In Health Disparities (K01)

The focus of this RFA is limited to health disparities related to aging.

For purposes of this funding opportunity, eligible individuals are applicants who have been determined by the grantee institution to be committed to a career in health disparities research related to aging and who are members of or knowledgeable about health disparity population groups. Nationally, health disparity population groups include but are not limited to African Americans, Hispanic Americans, American Indians/Alaska Natives, Native Hawaiians, Pacific Islanders, medically underserved, low socioeconomic populations and rural populations.

Dr. J Taylor Harden
National Institute on Aging
Bethesda, MD 20892-2292
Telephone: (301) 496-0765
Email: Taylor_Harden@nih.gov

3	RFA-AG-06-011	NIA	07/31/2006	09/27/2006	11/28/2006	R21	Neuroeconomics of Aging (R21)

The purpose of this FOA is to stimulate investigations in the area of Neuroeconomics of Aging. The National Institute on Aging (NIA) invites applications examining the social, emotional, cognitive, motivational processes and neurobiological mechanisms of economic behavior as these (1) influence social, financial, and health-related decisions affecting the well-being of middle-aged and older adults, and (2) inform the development and refinement of integrative economic theories of utility, learning, and strategic choice relevant to aging.

Lis Nielsen, Ph.D.
National Institute on Aging
Bethesda, MD 20892-9205
Telephone: (301) 402-4156
Email: nielsenli@nia.nih.gov

4	PA-06-471	NIA	07/10/2006	07/18/2006	04/02/2009	R43, R44	Technological Enhancements for Surveys of the Elderly: SBIR (R43/R44) Initiative

The purpose of this FOA is to support research for the enhancements of data collection in household surveys for the elderly. This announcement invites applicants to develop technology that will increase the portability, speed, ease and cost-effectiveness of collecting biological data and performance indicators in population-based household surveys and behavioral interventions.

This FOA, PAS-06-130 invites SBIR applications for the development and validation of new or improved imaging and sensor technologies in the following aging-related areas: 1) Improved imaging and sensor techniques to measure crucial factors related to key hypotheses about aging in humans; 2) Improved sensor or imaging techniques for measuring age-related changes in regulation of complex physiologic systems, including responses to stimuli and stressors; and 3) Sensor and other monitoring technologies (e.g., wearable devices or implants) to study age-related physiologic and functional changes for use outside of the laboratory setting.

Anneliese Hahn, MS
National Institute on Aging/NIH
Bethesda, MD. 20892-9205
(301) 402-4156

5	PA-06-472	NIA	07/10/2006	07/18/2006	04/02/2009	R41, R42	Technological Enhancements for Surveys of the Elderly: STTR (R41/R42) Initiative

The purpose of this FOA is to support research for the enhancements of data collection in household surveys for the elderly. This announcement invites applicants to develop technology that will increase the portability, speed, ease and cost-effectiveness of

collecting biological data and performance indicators in population-based household surveys and behavioral interventions.

The purpose of this FOA is to encourage small businesses to develop the areas listed below via the STTR (R41/R42) mechanisms.

Anneliese Hahn, MS
National Institute on Aging/NIH
Bethesda, MD. 20892-9205
(301) 402-4156
Email: hahnan@nia.nih.gov

6	PAS-06-466	NIA	07/10/2006	09/01/2006	07/02/2009	R21	The Role of Nuclear Receptors in Tissue and Organismal Aging (R21)

This FOA will use the Exploratory/Developmental (R21) grant mechanism to support research into underlying biologic mechanisms involving nuclear receptors, their co-regulators and intracellular signaling systems in the process of aging and the connections of the aging process with pathophysiology in middle- and old-age. This FOA runs in parallel with a FOA of identical scientific scope, PAS-06-467, that solicits applications under the R01 mechanism.

Purpose: The purpose of this initiative is to stimulate research into underlying biologic mechanisms involving NRs, their co-regulators and intracellular signaling systems, in the process of aging and the connection of the aging process with pathophysiology in middle- and old-age. The focus of the proposed research must be on processes of aging and/or age-related changes, i.e., research proposed in applications responding to this PA must have clear relevance to aging.

Jill Carrington, PhD
National Institute on Aging
Bethesda, MD 20892-9205
Telephone: (301) 496-6402
Email: carringj@mail.nih.gov

7	PAS-06-467	NIA	06/15/2006	n/a	09/02/2009	R01	The Role of Nuclear Receptors in Tissue and Organismal Aging (R01)

The goals of this funding opportunity announcement is to stimulate research into underlying biologic mechanisms involving nuclear receptors, their co-regulators and intracellular signaling systems in the process of aging and the connections of the aging process with pathophysiology in middle- and old-age.

The purpose of this initiative is to stimulate research into underlying biologic mechanisms involving NRs, their co-regulators and intracellular signaling systems, in the process of aging and the connection of the aging process with pathophysiology in middle- and old-age. The focus of the proposed research must be on processes of aging and/or age-related changes, i.e., research proposed in applications responding to this PA must have clear relevance to aging.

Jill Carrington, PhD
National Institute on Aging
Bethesda, MD 20892-9205
Telephone: (301) 496-6402
Email: carringj@mail.nih.gov

8	PA-06-464	NIA	06/14/2006	07/01/2006	04/02/2009	R41, R42	Longitudinal Surveys of the Elderly: STTR Initiative (R41/R42)

The National Institute on Aging (NIA) has supported longitudinal survey data collection efforts and behavioral interventions in areas such as cognition, genetics, long term care, retirement and economic status, caregiving, behavioral medicine, and the dynamics of health and functional change at older ages.

Complex and large-scale socio-behavioral surveys related to adult health and aging are being developed all over the world. The demand for new, innovative technologies such as computer assisted interviewing, incorporation of biological and physiological measures, and user-friendly longitudinal databases associated with this trend has been expanding for several years. Longitudinal surveys often become more difficult to use over time due to increased complexity in the composition of the sample and/or the addition of new survey

components, coupled with inconsistent data files and inadequate documentation. User friendly data use files are of interest not only to academic researchers, but to insurers, health care providers, HMOs, pharmaceutical com panies and policy analysts.

Anneliese Hahn, MS
National Institute on Aging/NIH
Bethesda, MD. 20892-9205
(301) 402-4156
Email: hahnan@nia.nih.gov

9	PA-06-469	NIA	06/16/2006	n/a	12/06/2009	F32	Postdoctoral Training in Research on Aging in Canada (F32)

The central goals of this program are to offer postdoctoral training in research on aging at designated Canadian research institutions and to encourage collaboration between the United States and Canada in identifying and developing postdoctoral-level investigators for careers in research on aging and health.

Dr. Michael-David A.R.R. Kerns
National Institute on Aging
Bethesda, MD U.S.A. 20892 -9205
Tel.: (301) 402-7713
Email: kernsmd@mail.nih.gov

10	PA-06-465	NIA	06/14/2006	07/01/2006	04/02/2009	R43, R44	Longitudinal Surveys of the Elderly: SBIR Initiative (R43/R44)

The National Institute on Aging (NIA) has supported the development of major longitudinal survey data collection efforts and behavioral interventions in areas such as cognition, genetics, long term care, retirement and economic status, caregiving, behavioral medicine, and the dynamics of health and functional change at older ages.

Complex and large-scale socio-behavioral surveys related to adult health and aging are being developed all over the world. The demand for new, innovative technologies such as computer assisted interviewing, incorporation of biological and physiological measures, and user-friendly longitudinal databases associated with this trend has been expanding for several years. Longitudinal surveys often become more difficult to use over time due to increased complexity in the composition of the sample and/or the addition of new survey components, coupled with inconsistent data files and inadequate documentation. User friendly data use files are of interest not only to academic researchers, but to insurers, health care providers, HMOs, pharmaceutical companies and policy analysts.

The purpose of this FOA is to encourage small businesses to develop areas via the SBIR (R43/R44) mechanisms.

Anneliese Hahn, MS
National Institute on Aging/NIH
Bethesda, MD. 20892-9205
(301) 402-4156
Email: hahnan@nia.nih.gov

Michael-David Alphonsus Rodriguez Richardson Kerns, M.B.A., M.S., Ph.D.
National Institute on Aging/NIH
Bethesda, MD 20892-9205
Telephone: 301-402-7713
Email: kernsmd@mail.nih.gov

11	PA-06-452	NIA	06/09/2006	08/01/2006	09/02/2009	R21	Behavioral and Social Research on Disasters and Health (R21)

The purpose of this Funding Opportunity Announcement (FOA) is 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 or mitigating harmful consequences.
Disasters include severe weather-related events, earthquakes, large-scale attacks on civilian populations, technological catastrophes or perceived catastrophes, and influenza pandemics.

The National Institute on Aging is interested in research on the elderly in disasters, especially elderly residents of institutions and frail elderly in the community.

For the elderly and for children and youth , the health outcomes of greatest interest include mortality, disability and resilience, severe distress and clinically significant morbidity (as opposed to mild or transient symptoms and dysphoria), and economic hardship sufficient to harm health. For children and youth, long-term effects on development are also of interest.

John G. Haaga, Ph.D.
National Institute on Aging
Bethesda Maryland 20892-9205
Telephone: 301-496-3131
Email: HaagaJ@mail.nih.gov

12	PA-06-453	NIA	06/09/2006	08/01/2006	09/02/2009	R03	Behavioral and Social Research on Disasters and Health (R03)

The purpose of this FOA is 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.

For the elderly and for children and youth, the health outcomes of greatest interest include mortality, disability and resilience, severe distress and clinically significant morbidity (as opposed to mild or transient symptoms and dysphoria), and economic hardship sufficient to harm health. For children and youth, long-term effects on development are also of interest.

John G. Haaga, Ph.D.
National Institute on Aging
Bethesda Maryland 20892-9205
Telephone: 301-496-3131
Email: haagaj@mail.nih.gov

13	PA-06-454	NIA	06/09/2006	n/a	09/02/2009	R01	Behavioral and Social Research on Disasters and Health (R01)

The purpose of this Program Announcement is 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 or mitigating harmful consequences. Examples of disasters include severe weather-related events, earthquakes, large-scale attacks on civilian populations, technological catastrophes or perceived catastrophes, and influenza pandemics. Three NIH Institutes are sponsoring this program announcement. The National Institute on Aging is interested in research on the elderly in disasters, especially elderly residents of institutions and frail elderly in the community.

John G. Haaga, Ph.D.
National Institute on Aging
Bethesda Maryland 20892-9205
Telephone: 301-496-3131
Email: HaagaJ@mail.nih.gov

14	PA-06-443	NIA	05/31/2006	09/01/2006	07/02/2009	R03	Human Biospecimen Resources for Aging Research (R03)

The purpose of this announcement is to disseminate information about available human biospecimen resources for age-related studies, and promote independent use of existing human biospecimen resources through collaborative and other arrangements with the studies that collect biospecimens.

With this announcement, NIA is seeking applications for limited funding up to two years that propose research to integrate biomarker analysis with the study of normal aging, age-associated diseases, and behavioral and social data.

Longitudinal studies of normal aging, as well as clinical studies of age-related or disease-related pathology, often require the collection of large numbers of biospecimens, with only portions of each biospecimen used for the study purposes. It is in the best

interest of all parties to share biospecimens wherever possible, limited of course by the consent given by the study participants. To facilitate the sharing of human biospecimens from longitudinal and clinical studies on aging and age-related diseases, a Virtual Repository was developed (http://www.nia.nih.gov/ResearchInformation/ScientificResources/Repository.htm), providing a gateway to information on studies with human biospecimens available for sharing. Links to additional information and study websites are included.

Nancy L. Nadon, Ph.D.
Bethesda, MD 20892
Telephone: (301) 402-7744
Email: nadonn@nia.nih.gov

15	PA-06-373	NIA	04/27/2006	n/a	08/06/2009	F32	Ruth L. Kirschstein National Research Service Awards (NRSA) for Individual Postdoctoral Fellows (F32)

The National Institutes of Health (NIH) awards individual postdoctoral research training fellowships to promising applicants with the potential to become productive, independent investigators in research fields relevant to the missions of participating NIH Institutes and Centers.

The primary objective of this funding opportunity 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 purpose of the 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 National Institutes of Health (NIH) awards individual postdoctoral fellowships (F32) to promising applicants who have the potential to become productive, independent investigators in fields related to the mission of participating NIH Institutes and Centers. The proposed postdoctoral training must be within the broad scope of biomedical, behavioral, or clinical research or other specific disciplines relevant to the research mission of the participating NIH Institutes and Centers. The proposed training must offer an opportunity to enhance the fellow's understanding of the health-related sciences and extend his/her potential for a productive research career.

Dr. Michael-David A.R.R. Kerns
National Institute on Aging
Bethesda, MD 20892-9205
Telephone (301) 496-9322
Email: kernsmd@mail.nih.gov

16	PA-06-363	NIA	04/20/2006	05/02/2006	05/02/2009	R34	NIH Clinical Trial Planning Grant Program (R34)

This Funding Opportunity Announcement (FOA) invites applications under the NIH Clinical Trial Planning Grant Program, the purpose of which is to provide support for the development of a Phase III clinical trial. This includes the establishment of the research team, the development of tools for data management and oversight of the research, the definition of recruitment strategies, and the finalization of the protocol and other essential elements of the study included in a manual of operations/procedures. The Clinical Trial Planning Grant is not designed for the collection of preliminary data or the conduct of pilot studies to support the rationale for a clinical trial.

An NIH-defined Phase III clinical trial is a broadly based prospective clinical investigation, usually involving several hundred or more human subjects, for the purpose of evaluating an experimental intervention in comparison with a standard or control intervention or comparing two or more existing treatments. Often, the aim of such investigation is to provide evidence leading to a scientific basis for consideration of a change in health policy or standard of care. The definition includes pharmacologic, non-pharmacologic, and behavioral interventions for disease prevention, prophylaxis, diagnosis, or therapy. Community- and other population-based intervention trials also are included.

The planning grant is designed to permit early peer review of the rationale and design of the proposed clinical trial and to provide support for the development of a detailed Manual of Procedures (MOP), including all elements essential to the launching of a trial.

Ms. Joanna Badinelli
Phone: 301-435-3046
Email: BadinelJ@mail.nih.gov

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

#	Announcement Number	Issuing Organization	Release Date	Opening Date (SF424 Only)	Expiration Date	Activity Code(s)	Title
1	PA-06-522	NCRR	08/10/2006	n/a	09/02/2009	R01	Networks and Pathways Collaborative Research Projects (R01)

This announcement solicits applications for research project grants that will leverage and complement the ongoing technology development being pursued in the National Technology Centers for Networks and Pathways (TCNPs), a program of the NIH Roadmap for Medical Research. These collaborative projects should focus either on addressing a challenging biological problem using the technology developed in one or more of the TCNPs, or on the development of technology that will complement that which is being developed in the centers. Applicants may request support for their own work as well as supplemental support for components pursued in the participating TCNP.

As a component of the NIH Roadmap for Medical Research (http://nihroadmap.nih.gov/), the Building Blocks, Biological Pathways and Networks working group initiated a program intended to create and exploit new technologies for proteomics. Specifically, these new technologies are focused on the quantitative characterization of dynamic protein interactions at high spatial and temporal resolution. Ultimately these new tools and methods are intended to overcome current technological constraints that prevent the integration of quantitative and interaction proteomics, as well as forcing researchers to view highly complex, dynamic systems as artificially static.

Bradley C. Wise, Ph.D.
Bethesda, MD 20892-9205
Telephone: (301) 496-9350
Email: wiseb@nia.nih.gov

#	Announcement Number	Issuing Organization	Release Date	Opening Date (SF424 Only)	Expiration Date	Activity Code(s)	Title
2	PA-06-461	NIMH	08/07/2006	09/01/2006	07/02/2009	R21	Development and Application of PET and SPECT Imaging Ligands as Biomarkers for Drug Discovery and for Pathophysiological Studies of CNS Disorders (R21)

The purpose of this Funding Opportunity Announcement (FOA) issued by the National Institute of Mental Health (NIMH), the National Institute on Aging (NIA), the National Institute of Alcohol Abuse and Alcoholism (NIAAA), the National Institute of Biomedical Imaging and Bioengineering (NIBIB), and the National Institute on Drug Abuse (NIDA) of the National Institutes of Health (NIH) is to facilitate the development of agonist and antagonist PET and SPECT probes for molecular targets that are implicated in the pathophysiology of brain and behavioral disorders (e.g., receptors, intracellular messengers, disease-related proteins). The use of radiotracers for imaging molecular events in preclinical and clinical studies is essential for understanding the circuitry that underlies normal brain function and the pathophysiology of brain disorders. The long-term goal of this FOA is to facilitate the broad application of neuroimaging probes in pathophysiological studies, drug discovery/development research, and in biomarker development//qualification studies as quantifiable indicators of disease progression and treatment efficacy.

Susan Molchan, M.D.
National Institute on Aging, NIH

Bethesda, MD 20892-9205
Telephone:(301) 496-9350
Email: molchans@mail.nih.gov

3	PA-06-462	NIMH	08/07/2006	09/01/2006	07/02/2009	R33	Development and Application of PET and SPECT Imaging Ligands as Biomarkers for Drug Discovery and for Pathophysiological Studies of CNS Disorders (R33)

This FOA will use the NIH Exploratory/Developmental Grant Phase II (R33) award mechanism. The proposed Phase II study should be designed to test whether application of PET and SPECT ligands will be useful as tools for pathophysiological studies of brain disorders or as biomarkers in pilot studies to quantify disease progression, adverse drug events, or treatment efficacy for brain disorders. The long-term goal of this FOA is to facilitate the broad application of neuroimaging probes in pathophysiological studies, drug discovery/development research, and in biomarker development//qualification studies as quantifiable indicators of disease progression and treatment efficacy.

Susan Molchan, M.D.
National Institute on Aging, NIH
Bethesda, MD 20892-9205
Telephone: (301) 496-9350
Email: molchans@mail.nih.gov

4	PA-06-463	NIMH	08/07/2006	09/01/2006	07/02/2009	R21/R33	Development and Application of PET and SPECT Imaging Ligands as Biomarkers for Drug Discovery and for Pathophysiological Studies of CNS Disorders (Phased Innovation Award [R21/R33])

The purpose of this Funding Opportunity Announcement (FOA) issued by the National Institute of Mental Health (NIMH), the National Institute on Aging (NIA), National Institute of Alcohol Abuse and Alcoholism (NIAAA), and the National Institute on Drug Abuse (NIDA) of the National Institutes of Health (NIH) is to facilitate the development of agonist and antagonist PET and SPECT probes for molecular targets that are implicated in the pathophysiology of brain and behavioral disorders (e.g., receptors, intracellular messengers, disease-related proteins). The use of radiotracers for imaging molecular events in preclinical and clinical studies is essential for understanding the circuitry that underlies normal brain function and the pathophysiology of brain disorders. The long-term goal of this FOA is to facilitate the broad application of neuroimaging probes in pathophysiological studies , drug discovery/development research, and in biomarker development//qualification studies as quantifiable indicators of disease progression and treatment efficacy.

Susan Molchan, M.D.
National Institute on Aging, NIH
Gateway Bldg., Suite 350
7201 Wisconsin Ave.
Bethesda, MD 20892-9205
Telephone: (301) 496-9350

Email: molchans@mail.nih.gov

5	PAR-06-479	NIDDK	07/12/2006	n/a	02/13/2007	R01	Targeting Diseases Caused by Protein Misfolding or Misprocessing (R01)

The purpose of this PAR is to invite qualified scientific investigators to submit applications designed to identify small molecule reagents that specifically prevent or ameliorate a protein folding or processing defect in simple and complex genetic diseases that are of interest to the participating institutes.

Bradley C. Wise, Ph.D.
National Institute on Aging
Bethesda, MD 20892-9205
Telephone: (301) 496-9350
Email: bw86y@nih.gov

6	PAR-06-475	NIDCR	07/10/2006	07/18/2006	08/19/2006	R21	Nanoscience and Nanotechnology in Biology and Medicine(R21)

This funding opportunity announcement (FOA), issued as an initiative of the trans-NIH Bioengineering Consortium (BECON), is aimed at enhancing nanoscience and nanotechnology research approaches that have the potential to make valuable contributions to biology and medicine.

The purpose of this initiative is to stimulate cross-cutting, integrative research in these fields of science and technology. In particular, this initiative invites research on: i) the creation and use of structures, devices and systems that have novel properties and functions because of their small size, that may be used to achieve a fundamental understanding of biological processes and /or contribute to disease detection, therapy, or prevention; ii) conception and fabrication of devices, that will effectively detect and analyze nanoscale entities of relevance to biomedicine; and iii) the study of biological systems at the nanoscale for the explicit purpose of using that information to develop nanotechnologies and nanostructured materials that will in turn benefit biology and medicine.

Eleni Kousvelari, DDS, D.Sc.,
National Institute of Dental and Craniofacial Research
Bethesda, MD 20892
Telephone: (301) 594-2427
Email: Kousvelari@de45.nidr.nih.gov

7	RFA-OD-06-004	ORWH	06/13/2006	n/a	09/15/2006	K12	Building Interdisciplinary Research Careers in Women's Health (K12)

The goal of this initiative is to increase the number and skills of investigators through a mentored research and career development experience leading to an independent scientific career that will benefit the health of women, including research on sex/gender similarities or differences in biology, health or disease. The programs will

accomplish these goals by ensuring that mentors represent diverse disciplines needed to carry out interdisciplinary projects that will bridge career development/training with research independence for BIRCWH scholars.

Charisee Lamar, Ph.D., M.P.H., R.R.T.
National Institute of Child Health and Human Development
Bethesda, MD 20892-7510
Telephone: (301) 496-6515
Email: lamarc@mail.nih.gov

8	PAR-06-459	NIBIB	06/12/2006	n/a	01/23/2007	R01	Bioengineering Research Partnerships (BRP) [R01]

The primary objective of this program announcement is to encourage basic, applied, and translational bioengineering research that could make a significant contribution to improving human health. Bioengineering integrates physical, engineering, and computational science principles for the study of biology, medicine, behavior, or health. It advances fundamental concepts, creates knowledge from the molecular to the organ systems level, and develops innovative biologicals, materials, processes, implants, devices, and informatics approaches for the prevention, diagnosis, and treatment of disease, for patient rehabilitation, and for improving health. Some BRP projects may propose research that could lead to a novel device as a product. Partnership with companies that have relevant expertise or that may eventually be involved in commercialization is appropriate under the BRP program.

Winifred K. Rossi, M.A.
NIA
Bethesda, MD 20892-9205
TEL: 301-496-3836
Email: rossiw@nia.nih.gov

9	PA-06-450	NIAMS	06/09/2006	06/09/2006	11/02/2007	R21	Joint Degeneration: Mouse Models (R21)

This announcement solicits proposals of research employing genetically defined and genetically modified mouse models to explore the biological mechanisms underlying non-inflammatory joint degeneration, or osteoarthritis. Inflammatory processes are evident in late stages of osteoarthritis, and are likely to be major contributors to the chronic pain that is the most common symptom of the condition. However, for the purpose of this initiative, osteoarthritis is distinguished from diseases, such as rheumatoid arthritis, in which inflammation arising from autoimmunity is the primary cause of tissue damage. In contrast, the root causes of joint degeneration in osteoarthritis remain unclear. Increasing knowledge of molecular mechanisms in cartilage and bone biology, along with advances in the genetic manipulation of mice, have yielded new concepts and new animal models that may be relevant to osteoarthritis in humans. This FOA is intended to accelerate the characterization of new models and the testing of hypotheses that could lead to improved diagnosis and treatment of osteoarthritis.

Jill L. Carrington
National Institute on Aging
Bethesda, MD 20892-9205
Telephone: (301) 496-6402
Email: carringtonj@nia.nih.gov

10	PAR-06-436	FIC	05/31/2006	05/31/2006	01/22/2008	R03	International Research Collaboration – Basic Biomedical (FIRCA-BB) [R03]

An important role of the FIC is to foster discovery and reduce global health disparities through the support of international research cooperation across the continuum of basic, clinical and applied biomedical, social and behavioral health sciences. This Funding Opportunity Announcement (FOA) contributes to the FIC mission, and the broad NIH initiative to reduce health disparities among nations, by strengthening research infrastructure in

developing countries, particularly those with the least economic resources.

The main objectives of the FIRCA program are to: (1) support collaborative research efforts between NIH-funded scientists and developing country scientists (referred to as the "Foreign Collaborator") on research of high scientific merit, relevant to global health and of mutual interest and benefit; and (2) help build research capabilities and foster further sustained and productive research and research collaborations at the foreign site.

Dallas W. Anderson, Ph.D.
National Institute on Aging
Bethesda, MD 20892-9205
Telephone: (301) 496-9350
Email: andersda@nia.nih.gov

11	PAR-06-437	FIC	05/31/2006	05/31/2006	09/22/2007	R03	International Research Collaboration – Behavioral, Social Sciences (FIRCA-BSS) [R03]

An important role of the FIC is to foster discovery and reduce global health disparities through the support of international research cooperation across the continuum of basic, clinical and applied biomedical, social and behavioral health sciences. This Funding Opportunity Announcement (FOA) contributes to the FIC mission and the broad NIH initiative to reduce health disparities among nations by strengthening research infrastructure in developing countries, particularly those with the least economic resources.

The main objectives of the FIRCA program are to: (1) support collaborative research efforts between NIH-funded scientists and developing country scientists (referred to as the "Foreign Collaborator") on research of high scientific merit, relevant to global health and of mutual interest and benefit; and (2) help build research capabilities and foster further sustained and productive research and research collaborations at the foreign site.

Dallas W. Anderson, Ph.D.
National Institute on Aging
Bethesda, MD 20892-9205
Telephone: (301) 496-9350
Email: andersda@nia.nih.gov

12	PA-06-418	NIBIB	05/17/2006	05/17/2006	09/02/2009	R21	Exploratory/Developmental Bioengineering Research Grants(EBRG) [R21]

This Funding Opportunity Announcement (FOA) is intended to encourage innovation and high impact research. While minimal or no preliminary data are expected to be described in the application, applications should clearly indicate the significance of the proposed work and that the proposed research and/or development is scientifically sound, that the qualifications of the investigators are appropriate, and that resources available to the investigators are adequate.

The EBRG can support: 1) innovative, high-risk, high pay-off projects; 2) exploration of new approaches or concepts to a particular substantive area; 3) research and development of new technologies, techniques or methods; or 4) initial research and development of data upon which significant future research may be built. In keeping with the intent of the R21 program, in all four instances above, there may or may not be any preliminary results.

Winifred K. Rossi, M.A.
NIA
Bethesda, MD 20892-9205
TEL: 301-496-3836
Email: rossiw@nia.nih.gov

13	PA-06-419	NIBIB	05/17/2006	n/a	09/02/2009	R01	Bioengineering Research Grants (BRG) [R01]

Many major biomedical research problems are best addressed using a multi-disciplinary approach that extends beyond the traditional biological and clinical sciences. Principles and techniques in allied quantitative sciences such as physics, mathematics, chemistry, computer sciences, and engineering are increasingly being applied to good effect in biomedical research. Bioengineering integrates principles from a diversity of technical and biomedical fields, and the resulting multi-disciplinary research is providing new basic understandings, novel products, and innovative technologies that improve basic knowledge, human health, and quality of life. Bioengineering also crosses the boundaries of scientific disciplines that are represented throughout academia, Federal laboratories, and industry.

Winifred K. Rossi, M.A.
NIA
Bethesda, MD 20892-9205
TEL: 301-496-3836
Email: rossiw@nia.nih.gov

14	PAR-06-420	FIC	05/17/2006	05/17/2006	08/24/2007	R21	Brain Disorders in the Developing World: Research Across the Lifespan (R21)

This Funding Opportunity Announcement (FOA) solicits applications for collaborative research projects, involving investigators in developed and developing countries, focusing on brain disorders throughout life relevant to developing nations. The collaborative research programs are expected to contribute to the long-term goal of building sustainable research capacity in developing countries to address neurological/neurodevelopmental (including sensory, motor, cognitive and behavioral) function and impairment throughout life.

The purpose of the Brain Disorders in the Developing World: Research Across the Lifespan FOA is to support the development and conduct of innovative, collaborative research and research training projects, between developed and developing country scientists, on brain disorders throughout life, relevant to low- and middle-income nations.

Andrew A. Monjan, Ph.D., M.P.H.
National Institute on Aging
Bethesda, MD 20892-9205 (use 20814 for express mail)
Telephone: (301) 496-9350
Email: monjana@nia.nih.gov

15	PAR-06-410	NIGMS	05/15/2006	n/a	01/25/2009	R01	Innovations in Biomedical Computational Science and Technology (R01)

The NIH is interested in promoting research and developments in 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 and mathematical research including the development of structural, functional, integrative, and analytical models and simulations.

Dr. Felipe Sierra
National Institute on Aging
Bethesda, MD 20892-9205
Telephone: (301) 496-6402

Email: sierraf@nia.nih.gov

16	PAR-06-411	NIGMS	05/15/2006	05/15/2006	01/25/2009	R21	Exploratory Innovations in Biomedical Computational Science and Technology (R21)

The NIH is interested in promoting research and developments in 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 and mathematical research including the development of structural, functional, integrative, and analytical models and simulations.

Dr. Felipe Sierra
National Institute on Aging
Bethesda, MD 20892-9205
Telephone: (301) 496-6402
Email: sierraf@nia.nih.gov

17	PAR-06-394	FIC	05/05/2006	n/a	09/22/2008	R01	Global Research Initiative Program, Basic/Biomedical Sciences (R01)

The goal of this initiative is to provide funding opportunities for the increasing pool of foreign basic and biomedical scientists, clinical investigators, nurses, and other health professionals with state-of-the-art knowledge of research methods to advance critical issues in global health upon their return to their home countries through basic and biomedical sciences research and technology development.

This Program is intended to promote productive development of foreign investigators from low- to middle-income countries, trained in the U.S. or through specific U.S. programs, to independent researcher in their home countries or other low- or middle-income countries.

Tamara Jones, Ph.D.
National Institute on Aging
Bethesda, MD 20892-2292
Telephone: 301-451-8835
Email: tamjones@nia.nih.gov

L8	PA-06-380	NIMH	05/01/2006	n/a	03/02/2009	R01	Basic and Translational Research in Emotion (R01)

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. Emotion research can also include the study of licit and illicit psychoactive substances that alter mood states, and conversely, the study of how emotional and mood states can predispose to, or modulate the effects of, pain or alcohol and psychoactive substances. This FOA also encourages research on emotional reactions in the context of the diagnosis and treatment of cancer, and the study of emotion as it relates to this disease or increased risk of this disease, including outcomes such as social relationships, health care provider relationships, adherence and others. These investigations may utilize human or animal subjects.

Lis Nielsen, Ph.D.
National Institute on Aging
Bethesda, MD 20892-9205
Telephone: (301) 402-4156
Email: nielsenli@nia.nih.gov