

THE GENEVA FOUNDATION

## August 2004 FUNDING BULLETIN

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### BIOTERRORISM

**NEW**

#### **BIODEFENSE AND EMERGING INFECTIOUS DISEASE RESEARCH OPPORTUNITIES**

This PA is intended to encourage the submission of investigator-initiated research grant applications in biodefense. The goal is to expedite research leading to the diagnosis, prevention and treatment of diseases caused by potential bioterrorism agents.

**DEADLINES: 1 OCT 04, 1 FEB 05, 1 JUN 05 through 1 OCT 07**

<http://grants.nih.gov/grants/guide/pa-files/PA-04-119.html>

**NEW**

#### **BIODEFENSE COUNTERMEASURE DEVELOPMENT: PROJECT BIOSHIELD**

The urgent, general need for medical countermeasures against accidental or deliberate exposure to the highest priority bioterrorism agents underlies the establishment of this program, focused on the design and development of therapeutics against CDC Category A agents. This program will support the design and/or preclinical development of a discrete step or milestone in the process of identifying new therapeutic modalities directed against CDC Category A agents, with potentially broad spectrum activity.

**DEADLINE: 23 SEP 04**

<http://www2.niaid.nih.gov/biodefense/bioshield.htm>

#### **BUILDING THE EVIDENCE TO PROMOTE BIOTERRORISM AND OTHER PUBLIC HEALTH EMERGENCY PREPAREDNESS IN HEALTH CARE SYSTEMS**

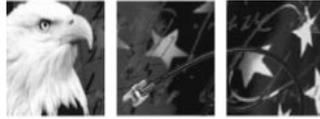
The Agency for Healthcare Research and Quality (AHRQ) announces the availability of 1-2 year (maximum 2 years) research grants that will examine and promote the health care system's readiness for a bioterrorist event and other public health emergencies through the development of new evidence, tools and models. In light of recent events in the U.S., there is considerable urgency to develop a public health infrastructure that is prepared to respond to acts of bioterrorism and other public health emergencies.

**DEADLINES: 14 JAN 05, 17 JAN 06**

<http://grants1.nih.gov/grants/guide/pa-files/par-03-130.html>

#### **U.S. ARMY MEDICAL RESEARCH AND MATERIEL COMMAND - MEDICAL BIOLOGICAL DEFENSE RESEARCH PROGRAM**

The Medical Biological Defense Research program provides medical countermeasures for biological warfare agents. These countermeasures include specialized medical materiel or procedures designed to enhance protection. The priorities of the program are prophylaxis or pretreatment to prevent any casualty; identification and diagnosis of biological agents; and treatment or supportive care regimens. Proposals dealing with technology assessment are also of interest. Examples of some of the live infectious agents of interest are those causing anthrax, plague, glanders, and the agents Ebola virus, Marburg virus, Venezuelan western and eastern equine encephalitis viruses, and pox virus models of variola virus. Examples of non-living agents (toxins) include those from plants (ricin); bacteria



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(Staphylococcal enterotoxins, botulinum); membrane damaging toxins; and venoms from snakes, snails, and insects. For more information, visit <http://mrmc-www.army.mil/>.

**DEADLINES: continuous**

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## DIABETES

**NEW**

### NON-INVASIVE IMAGING FOR DIABETIC RETINOPATHY

Diabetes is a prototypical chronic disease that imposes a large public health burden. One of its many complications is diabetic retinopathy (DR). Early detection of DR is an important problem because many Americans with diabetes do not get regular eye exams due mainly to distance, geography, and economic status. Studies conducted in the 1980's and 1990's demonstrated that vision loss from DR could be prevented if treatment with laser photocoagulation therapy was initiated based upon regular screening and subsequent diagnosis of retinal disease. In this Request for Applications (RFA) the NEI seeks to develop, apply, and evaluate noninvasive technology that is practical, affordable, and accessible so that patients with diabetes can benefit from remote site disease screening.

**DEADLINE: 14 FEB 05**

<http://grants.nih.gov/grants/guide/rfa-files/RFA-EY-04-001.html>

**NEW**

### PROTEOMICS: DIABETES, OBESITY, AND ENDOCRINE, DIGESTIVE, KIDNEY, UROLOGIC, AND HEMATOLIC DISEASES

NIH will provide support for projects that advance research to identify and quantitate protein expression patterns, post-translational modification of proteins, and protein-protein interactions on cells, tissues, organ systems to diabetes, etc.

**DEADLINES: 1 Oct 04, 01 Feb 05, 1 Jun 05 through 1 Feb 2007**

<http://grants1.nih.gov/grants/guide/pa-files/PA-04-081.html>

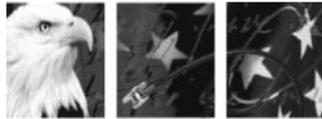
### AMERICAN DIABETES ASSOCIATION

The American Diabetes Association Research Program supports basic and clinical research aimed at preventing, treating, and curing diabetes. The projects ADA supports cover the spectrum from islet cell biology and transplantation techniques to studies in education and behavioral issues. For more information about ADA's Research Award and Clinical Research Award, visit <http://www.diabetes.org/diabetes-research/research-grant-application-forms/nationwide-research-awards.jsp> - research. **DEADLINE: 15 Jan 05**

### ANCILLARY STUDIES TO MAJOR ONGOING NIDDK CLINICAL RESEARCH STUDIES (PAR-04-078)

The National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK) invites investigator-initiated research project applications for ancillary studies to ongoing large-scale clinical trials, epidemiological studies and disease databases supported by the Institute. These studies are focused on a wide range of diseases and conditions including diabetes, obesity, acute and chronic liver disease, chronic kidney disease, benign prostatic hyperplasia, among others. The goal of these ancillary study proposals must complement but not overlap or interfere with the primary and secondary objectives of the parent study. For more information, visit <http://grants.nih.gov/grants/guide/pa-files/PAR-04-078.html>.

**DEADLINES: 1 Oct 04, 1 Feb 05, 1 Jun 05...Until 2 Mar 07**



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### **TRANSLATIONAL RESEARCH FOR THE PREVENTION AND CONTROL OF DIABETES (PA-02-153)**

The National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK), the National Eye Institute (NEI), the National Institute of Nursing Research (NINR), the Office of Behavioral and Social Sciences Research (OBSSR), the Agency for Healthcare Research and Quality (AHRQ), the Centers for Disease Control and Prevention - Division of Diabetes Translation (CDC-DDT), and the American Diabetes Association (ADA) solicit research to translate recent advances in the prevention and treatment of type 1 or type 2 diabetes into clinical practice for individuals and communities at risk. This program announcement expands a diabetes prevention and control program established under PA 01-069, and seeks applications for clinical or behavioral studies to develop and test 1) improved methods of health care delivery to patients with or at risk of diabetes, 2) improved methods of diabetes self management, and 3) cost effective community-based strategies to promote healthy lifestyles that will reduce the risk of diabetes and obesity. For the full PA, visit <http://grants1.nih.gov/grants/guide/pa-files/PA-02-153.html>.

**DEADLINES: 1 Oct 04, 1 Feb 05, 1 Jun 05 and 1 Oct 05**

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## GASTROENTEROLOGY

### **INNOVATIVE AND EXPLORATORY RESEARCH IN DIGESTIVE DISEASES AND NUTRITION (PA-04-108)**

The Division of Digestive Diseases and Nutrition at the National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK) and the Division of Cancer Prevention at the National Cancer Institute (NCI) invites applications through the exploratory/developmental (R21) grant mechanism from investigators with research interests in gastroenterology, hepatology, obesity, and nutrition and that serve the mission of NIDDK and NCI. The aim of this program announcement is to stimulate the application of highly novel approaches to important areas of digestive diseases (including associated cancers) and nutrition research. This mechanism is primarily aimed at attracting and supporting new investigators in these research fields. Patient oriented or epidemiological research will not be supported through this Program Announcement and should be submitted according to <http://grants.nih.gov/grants/guide/pa-files/PA-04-082.html>. For more information, visit <http://grants.nih.gov/grants/guide/pa-files/PA-04-108.html>.

**DEADLINES: 1 Oct 04, 1 Feb 05, AND 1 Jun 05 through 1 Jun 07**

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## HIV/AIDS

### **AMERICAN AIDS RESEARCH (AMFAR)**

Beginning in 1995 one or more Targeted RFP's will be issued each year in late spring. One General RFP will be issued in October and will include opportunities for three-year scholar proposals, requests for small travel/training grants, and the renewal of any research grant. For more information, visit <http://www.amfar.org>

**DEADLINE: Typically Spring (March/April)**

### **MECHANISMS OF HIV-RELATED PULMONARY COMPLICATIONS**

The purpose of this Request for Applications (RFA) is to encourage innovative research on the roles of co-infections, immune factors and genetic predisposition in the pathogenesis of HIV-related pulmonary diseases. Due to early diagnosis, highly active antiviral therapy (HAART), and better supportive care for HIV-infected patients,



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survival time is being prolonged and pulmonary complications have become more important contributors to morbidity and mortality in these patients. The ultimate goal is to provide a rational basis for prevention and therapy for the pulmonary complications caused by HIV and its related factors.

**DEADLINE: Letter of Intent: 17 Feb 05, Application: 16 MAR 05**

<http://grants.nih.gov/grants/guide/rfa-files/RFA-HL-04-031.html>

### **SIMIAN MODELS FOR THE ORAL BIOLOGY OF HIV INFECTION AND AIDS-RELATED ORAL COMPLICATIONS (PAS-04-066)**

This Program Announcement with set-aside funds (PAS) solicits applications that will use nonhuman primate models to study the oral biology of HIV infection and the oral complications associated with AIDS. This is an exploratory/developmental award with limited funding that is designed to maximize the use of animals currently involved in ongoing studies. Studies that will increase our knowledge of the basic biology, pathogenic mechanisms, immunology, diagnosis, treatment, and prevention of oral HIV/AIDS in simian macaque models are requested.

Exploratory projects in emerging areas of importance for oral manifestations of AIDS and other acquired immunodeficiencies are of particular interest. For more information, visit <http://grants.nih.gov/grants/guide/pa-files/PAS-04-066.html>. **DEADLINES: 1 SEP 04, 2 JAN 05, 1 MAY 05... through 2 JAN 07**

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## INFORMATICS

### **NATIONAL SCIENCE FOUNDATION - Science and Engineering Information Integration and Informatics (SEIII)**

The Science and Engineering Information Integration and Informatics (SEIII) program focuses on advancing the state of the art in the application of advanced information technology to science and engineering problems in specific domains, such as astronomy, biology, the geosciences, public health and health care delivery. Since many scientific problems have common needs for information management and data analysis, the advancement of these technologies is central to SEIII. Similarly, within computer science, the study of complex distributed computer and network systems requires the collection and analysis of timely, accurate and reliable information. Although methods for the analysis of scientific data and information will be supported by the program, a special emphasis will be placed on domain-specific and general-purpose tools for integrating information from disparate sources. Such integration is a key step of many projects yet is rarely addressed in full generality. The SEIII program will have two separate components to address these research areas: Science and Engineering Informatics (SEI) and Information Integration (II). For more information visit <http://www.nsf.gov/pubs/2004/nsf04528/nsf04528.htm#elig>.

**DEADLINE: 15 DEC 04**

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## MOLECULAR BIOLOGY

### **NATIONAL SCIENCE FOUNDATION - Biomolecular Systems**

The Biomolecular Systems Cluster is located within the Division of Molecular and Cellular Biosciences (MCB) and emphasizes the structure, function, dynamics, interactions, and interconversions of biological molecules. The



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context for such studies can range from investigations of individual macromolecules to the large-scale integration of metabolic and energetic processes. Research supported by this cluster includes development of cutting-edge technologies integrating theoretical, computational, and experimental approaches to the study of biological molecules and their functional complexes; mechanistic studies of the regulation and catalysis of enzymes and RNA, and higher-order characterization of the biochemical processes by which all organisms acquire, transform, and utilize energy from substrates. This cluster emphasizes the importance of multi-disciplinary research carried out at the interfaces of biology, physics, chemistry, mathematics and computer science, and engineering. This cluster includes the scientific themes of molecular biochemistry, metabolic biochemistry. For more information, visit <http://www.nsf.gov/pubs/progdesc/2004/bio/1144.htm>. **DEADLINES: 12 JAN 05**

### **NATIONAL SCIENCE FOUNDATION - Genes and Genome Systems**

The Genes and Genome Systems Cluster is located within the Division of Molecular and Cellular Biosciences (MCB) and supports studies on genomes and genetic mechanisms in all organisms, whether prokaryote, eukaryote, phage, or virus. Proposals on the structure, maintenance, expression, transfer, and stability of genetic information in DNA, RNA, and proteins and how those processes are regulated are appropriate. Areas of interest include genome organization, molecular and cellular evolution, replication, recombination, repair, and vertical and lateral transmission of heritable information. Of equal interest are the processes that mediate and regulate gene expression, such as chromatin structure, epigenetic phenomena, transcription, RNA processing, editing and degradation, and translation. The use of innovative in vivo and/or in vitro approaches, including biochemical, physiological, genetic, genomic, and/or computational methods, is encouraged, as is research at the interfaces of biology, physics, chemistry, mathematics and computer science, and engineering. For more information, visit <http://www.nsf.gov/pubs/progdesc/2004/bio/1112.htm>. **DEADLINE: 12 JAN 05**

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## NEUROLOGY

**NEW**

### **GENETICS AND PATHOBIOLOGY OF VASCULAR COGNITIVE IMPAIRMENT**

The purpose of this Program Announcement with set-aside funds (PAS) is to invite applications to study the biological basis of vascular cognitive impairment (VCI). VCI causes a burden of illness similar to that caused by Alzheimer's disease (AD), but has been far less well-studied. Recently, however, some important strides have been made in understanding the etiology of VCI. The goal of this PAS is to build on these first critical achievements to obtain a better understanding of the cellular and molecular mechanisms causing vascular, neural, and glial dysfunction in human VCI and animal models of VCI.

**DEADLINE: 1 OCT 04, 1 FEB 05, 1 JUN 05 through 1 JUN 07**

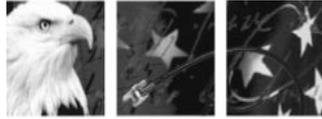
<http://grants2.nih.gov/grants/guide/pa-files/PAS-04-149.html>

### **CNS THERAPY DEVELOPMENT FOR LYSOSOMAL STORAGE DISORDERS**

The goal of this Program Announcement is to solicit applications on lysosomal storage disorders (LSDs) focused on improving CNS treatment outcomes, enhancing the effectiveness of delivery and targeting of cells, enzymes, drugs and genes into the brain, and developing novel therapeutic modalities, such as implantable biocapsules and micro-electro-mechanical systems (MEMS)-based devices.

**DEADLINE: 1 OCT 04, 1 FEB 05, 1 JUN 05 through 1 OCT 07**

<http://grants.nih.gov/grants/guide/pa-files/PAS-04-120.html>



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### **THE HUMAN BRAIN PROJECT (NEUROINFORMATICS): PHASE I - FEASIBILITY; PHASE II - REFINEMENTS, MAINTENANCE AND INTEGRATION (PAR-03-035)**

The purpose of this initiative is to encourage and support investigator-initiated research on neuroscience informatics (neuroinformatics). This research will lead to the development of new web-based databases, analytical tools, and knowledge management systems to foster sharing of data for all domains of neuroscience research. This program combines neuroscience and informatics (neuroinformatics) research to develop and apply advanced tools and approaches essential for efficient understanding of the structure, function and development in health and disorders of the nervous system, from the genetic to whole systems level. For more information, visit <http://grants.nih.gov/grants/guide/pa-files/PAR-03-035.html>

**DEADLINES: Letters of Intent are due one month prior to application deadline. Application deadlines: 21 JAN 05, 20 MAY 05, 22 SEP 05**

### **INNOVATIVE EXPLORATORY STUDIES AND TECHNOLOGY DEVELOPMENT IN NEUROINFORMATICS RESEARCH (PAR 03-036)**

This program announcement (PA) encourages applications for a one-time grant award to support: innovative research directions requiring preliminary testing or development of neuroscience databases or analytical tools (neuroinformatics) research; exploration of the use of approaches and concepts new to a particular substantive area of neuroscience informatics (neuroinformatics) research; or research and development of new technologies, techniques or methods in informatics that will have a high impact upon the advancement of neuroscience research. For more information, visit <http://grants.nih.gov/grants/guide/pa-files/PAR-03-036.html>

**DEADLINES: Letters of Intent are due one month prior to the application deadline. Application deadlines are 21 JAN 05, 20 MAY 05, 22 SEP 05**

### **NEUROBIOLOGY OF COMPLEX REGIONAL PAIN SYNDROME/REFLEX SYMPATHETIC DYSTROPHY (PAS-03-120)**

The National Institute of Neurological Disorders and Stroke (NINDS) invites applications for research programs designed to advance our understanding of the neurobiological mechanisms and epidemiology of Complex Regional Pain Syndrome (CRPS)/Reflex Sympathetic Dystrophy (RSD). A major goal of this initiative is to facilitate the development of novel collaborative research programs among physiologists, neuroscientists, behavioral neuroscientists, imaging specialists and clinicians in order to develop integrative research programs to accelerate progress in CRPS/RSD research. For more information, download the full PAS at

<http://grants1.nih.gov/grants/guide/pa-files/PAS-03-120.html> **DEADLINES: 1 Oct 04 and 1 Feb 05**

### **NINDS CLINICAL TRIAL PLANNING GRANT (PAR 03-051)**

The NINDS seeks to fund high quality clinical trials to evaluate treatments for neurological disorders. The purpose of the NINDS Clinical Trial Planning Grant is to provide support for the organization of activities critical for the successful implementation of high-risk, complex, or large-scale clinical trials. The NINDS encourages clinical research to evaluate interventions to treat and prevent neurological disease. The NINDS has established the Clinical Trial Planning Grant because extensive efforts are required to develop a detailed study protocol and to organize an effective research group. For more information, visit <http://grants.nih.gov/grants/guide/pa-files/PAR-03-051.html>

**DEADLINES: 15 Dec 04, 15 Apr 05, 15 Aug 05, 15 Dec 05**



## THE GENEVA FOUNDATION NUTRITION

**NEW**

### **OBESITY AND THE BUILT ENVIRONMENT**

This initiative will support R01 and R21 studies in two specific areas related to the built environment and obesity: First, understanding the role of the built environment in causing/exacerbating obesity and related co-morbidities; and second, developing, implementing, and evaluating prevention/intervention strategies that influence parameters of the built environment in order to reduce the prevalence of overweight, obesity and co-morbidities.

**DEADLINE: Letter of Intent: 17 NOV 04, Application: 17 DEC 04**

<http://grants.nih.gov/grants/guide/rfa-files/RFA-ES-04-003.html>

**NEW**

### **PREVENTION AND TREATMENT OF CHILDHOOD OBESITY IN PRIMARY CARE SETTINGS**

Research projects responsive to this solicitation would test intervention programs delivered in primary care practices, including dental practices, to improve dietary and physical activity behaviors of pediatric patients in order to prevent excessive weight gain in children at risk for obesity and/or to prevent further weight gain or to promote weight loss in children who are already obese. Intervention programs to be tested should be feasible for delivery in a wide range of primary care practice settings, such as a pediatrician's office, a family physician's office, a dentist's office, a managed care organization, or a primary care clinic.

**DEADLINE: LOI: 25 Oct 04, FULL APPLICATION: 23 Nov 04**

<http://grants.nih.gov/grants/guide/rfa-files/RFA-HD-04-020.html>

### **DIET COMPOSITION AND ENERGY BALANCE (PA-04-033)**

The goal of this program announcement is to invite research applications investigating the role of diet composition in energy balance, including studies in both animals and humans. Both short and longer-term studies would be encouraged, ranging from basic studies investigating the impact of micro- or macronutrient composition on appetite, metabolism, and energy expenditure through clinical studies evaluating the efficacy of diets differing in micro- or macronutrient composition, absorption, dietary variety, or energy density for weight loss or weight maintenance. To download the full PA, visit <http://grants.nih.gov/grants/guide/pa-files/PA-04-033.html>.

**DEADLINES: 1 OCT 04, 1 FEB 05, 1 JUN 05, 1 OCT 05, 1 FEB 06, 1 JUN 06 & 1 OCT 06**

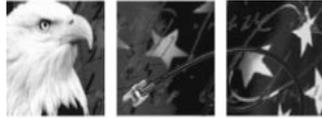
### **INNOVATIVE AND EXPLORATORY RESEARCH IN DIGESTIVE DISEASES AND NUTRITION (PA-04-108)**

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<http://grants.nih.gov/grants/guide/pa-files/PA-04-082.html>. For more information, visit

<http://grants.nih.gov/grants/guide/pa-files/PA-04-108.html>.

**DEADLINES: 1 OCT, 1 FEB, AND 1 JUN until 1 JUN 07**



## THE GENEVA FOUNDATION NURSING

### **NINR SMALL GRANT RESEARCH PROGRAM (PA-03-108)**

The National Institute of Nursing Research (NINR) is seeking small grant (R03) applications in specific areas to 1) stimulate and facilitate the entry of promising new investigators into nursing research and 2) encourage established investigators to enter new targeted, high priority areas in this research field. The R03 award supports small research projects that can be carried out in a short period of time with limited resources. The characteristics, requirements, preparation, and review criteria for the small grant application are described in further detail at <http://grants.nih.gov/grants/guide/pa-files/PA-03-108.html>

**DEADLINES: 1 Oct 04, 1 Feb 05, 1 Jun 05, 1 Oct 05, & 1 Feb 06**

### **NINR - ELSI SMALL GRANT RESEARCH PROGRAM (R03) (PA-04-051)**

This PA is designed to solicit research projects that anticipate, analyze and address the ethical, legal, and social implications (ELSI) of the discovery and use of new information and technologies resulting from human genetic and genomic research. For the full text, visit <http://grants1.nih.gov/grants/guide/pa-files/PA-04-051.html>.

**DEADLINES: 1 OCT 04, 1 FEB 05, 1 JUN 05 ... Until JAN 07**

### **TRISERVICE NURSING RESEARCH PROGRAM**

The TriService Nursing Research Program's FY04 funding cycle has passed. It is anticipated that the FY05 Call for Proposals will be released in the early summer months with a deadline of 4 Nov 04. Multiple awards are typically offered: Novice Investigator, 1-, 2-, 3- year awards, Pilot Project, Graduate Research Award, and Research Fellow Award. TSNRP does offer the Fast Track Award with deadlines throughout the year. For more information about the Fast Track award & eligibility, visit <http://www.usuhs.mil/tsnnp/applying/fundingcycle.html>. TSNRP has five priority areas: Deployment Health, Developing and Sustaining Competencies, Recruitment & retention of the work force, clinical resource management, and military clinical practice & outcomes management. Visit the TSNRP's website at <http://www.usuhs.mil/tsnnp> for information on the above mentioned awards and eligibility.

**DEADLINES: Anticipated deadline for FY05 funding is 9 NOV 04.**

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## ONCOLOGY

**NEW**

### **DEPARTMENT OF DEFENSE, FISCAL YEAR 2005, PROSTATE CANCER RESEARCH PROGRAM (PCRP) CLINICAL TRIAL AWARD**

The intent of the Clinical Trial Award is to provide for the rapid execution of novel patient-oriented research in a Phase I, Phase I/II, or Phase II clinical trial that has the potential to significantly impact the treatment, diagnosis, detection, or prevention of prostate cancer. Proposals should focus on new interventions (e.g., drugs, biologics, and devices.)

**DEADLINE: 7 DEC 04**

<http://www.fedgrants.gov/Applicants/USA/USAMRAA/DAMD17/PC05-CTA/Grant.html>



## THE GENEVA FOUNDATION

**NEW**

### **NOVEL APPROACHES TO ENHANCE ANIMAL STEM CELL RESEARCH**

The purpose of this program announcement (PA) is to encourage the submission of applications for research to enhance animal stem cells as model biological systems. Innovative approaches to isolate, characterize and identify totipotent and multipotent stem cells from nonhuman biomedical research animal models, as well as to generate reagents and techniques to characterize and separate those stem cells from other cell types is encouraged. Studies involving human subjects are not allowed under this PA.

**DEADLINES: 01 OCT 04, 01 FEB 05, 01 JUN 05 through 01 OCT 07**

<http://grants1.nih.gov/grants/guide/pa-files/PA-04-125.html>

**NEW**

### **PILOT STUDIES: ORAL COMPLICATIONS OF CANCER THERAPIES**

The National Institute of Dental and Craniofacial Research (NIDCR) and the National Cancer Institute (NCI) invite applications for clinical research directed at reducing the incidence and severity of oral complications from cancer therapies. The NIDCR and NCI recognize that developmental, exploratory, and/or pilot studies in epidemiology, behavioral/social sciences or other areas of clinical research may be needed to accelerate scientific progress in addressing this topic. The purpose of these studies would be to collect preliminary data to establish an adequate foundation that may lead to R01 level clinical research grants.

**DEADLINE: 1 OCT 04, 1 FEB 05, 1 JUN 05 through 1 OCT 07**

<http://grants.nih.gov/grants/guide/pa-files/PA-04-134.html>

### **APPLICATION OF EMERGING TECHNOLOGIES FOR CANCER RESEARCH (RFA-CA-05-003)**

The National Cancer Institute (NCI) invites applications for research projects to evaluate the usefulness of emerging technologies that are ready for initial application to clinical or biological questions in cancer research. Projects should be designed to demonstrate that the technology is robust and yields reproducible measurements. Projects should also be designed to gather preliminary data to support the use of the technology in a future project(s) with a clinical or biological focus. To download the full RFA, visit <http://grants.nih.gov/grants/guide/rfa-files/RFA-CA-05-003.html>

**DEADLINES: 17 SEPT 04 for Letters of Intent and 18 OCT 04 for full application**

### **COLORECTAL CANCER SCREENING IN PRIMARY CARE PRACTICE (PAR-04-036)**

The National Cancer Institute and Agency for Healthcare Research and Quality are interested in promoting research to improve colorectal cancer screening delivery, utilization, and outcomes in primary care practice. The objective of this Program Announcement is to encourage health services, social and behavioral, and outcomes researchers to develop innovative research projects to increase the knowledge base for enhanced translation of effective colorectal cancer screening techniques into community practice. Both R21 and R01 projects will be supported by this program. To download the full PAR, visit <http://grants2.nih.gov/grants/guide/pa-files/PAR-04-036.html>.

**DEADLINES: 22 SEP 04, 24 JAN 05 & 23 MAY 05 for Letters of Intent & 22 OCT 04, 23 FEB 05 & 23 JUN 05 for full application.**

### **DIET, EPIGENETIC EVENTS, AND CANCER PREVENTION**

The NCI invites applications for new R01, R21, and R03 grants which are focused on research leading to the elucidation of mechanism(s) by which dietary factors influence epigenetic processes as well as increasing the understanding of these processes in cancer prevention. The objective is to encourage collaboration between nutrition and epigenetic experts to study bioactive food components with cancer preventative properties, and to examine key epigenetic events in cancer processes (i.e., carcinogen metabolism, cell division, differentiation,



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apoptosis) so that investigators can begin to establish linkages between epigenetics, methylation pattern, and tumor incidence/behavior. For more information, visit <http://grants.nih.gov/grants/guide/pa-files/PA-04-099.html>

**DEADLINES: 01 OCT 04, 01 FEB 05, 01 JUN 05, 01 OCT 05, 01 FEB 06**

### **INNOVATIONS IN CANCER SAMPLE PREPARATION (RFA-CA-05-004)**

The National Cancer Institute (NCI) invites applications for research projects involving the development and significant enhancement or adaptation of sample preparation methodologies and technologies, the development of assays to assess sample quality, and studies designed to elucidate the criteria by which to judge sample quality. The outcome will be products and methods designed to optimize sample utility. Samples may originate from residual material not necessary for patient care or from cell lines, model organisms, or other sources relevant to cancer research. For the complete RFA, visit <http://grants.nih.gov/grants/guide/rfa-files/RFA-CA-05-004.html>

**DEADLINES: 17 SEPT 04 for Letters of Intent and 18 OCT 04 for full application**

### **INNOVATIVE TECHNOLOGIES FOR MOLECULAR ANALYSIS OF CANCER (RFA-CA-05-002)**

The National Cancer Institute (NCI) invites applications for research projects proposing the development of highly innovative cancer relevant technologies. Technology encompasses methods and tools that enable research, including, but not limited to, instrumentation, techniques, and devices. Technologies solicited include, but are not necessary limited to, those that are suitable for the detection of alterations and instabilities of genomic DNA; measurement of the expression of genes and gene products, including proteins; analysis and detection of gene and/or cellular products, including post-translational modification and function of proteins; identification and characterization of exogenous infectious agents in cancer; and assaying the function of major signal transduction networks involved in cancer.

**DEADLINES: 17 SEPT 04 for Letters of Intent and 18 OCT 04 for full application**

<http://grants.nih.gov/grants/guide/rfa-files/RFA-CA-05-002.html>

### **INVITROGEN**

Proposals are requested in the broad areas of proteomics, genomics, bioinformatics, drug discovery, cell culture, and cell biology. Topics to be considered for each of these areas include: amplification, arrays, biochemical assays, biodefense, bioengineering, bioproduction, cell-based assays, cell biology, cell differentiation, cell lines, cell signaling, cloning, electrophoresis, enzymes, expression, gene display, informatics, labeling & detection, microarrays, modeling, molecular interactions, nanotechnology, protein engineering, purification, reporters, RNAi, separations, sequencing, transgenics and others. The program is designed to encourage the discovery, development, and commercialization of research tools. An ideal project is one that leads to a novel research tool or application that can then be commercialized. For more information, visit <http://www.invitrogen.com/content.cfm?pageid=10>.

**DEADLINES: 10 DEC 04. A brief pre-proposal is requested.**

### **PHASED APPLICATION AWARDS IN CANCER PROGNOSIS AND PREDICTION (PA-04-102)**

The Cancer Diagnosis Program of the National Cancer Institute invites applications for research projects to evaluate the utility and pilot the application of new strategies for determining prognosis or predicting response to therapy. This will provide tools to improve clinical decision-making in the care of cancer patients. This PA provides support for a first phase (R21) for technical development and a second phase (R33) for application and evaluation of clinical utility. This project will depend fairly heavily on laboratory science: developing assays and specimen fixatives. For more information, visit <http://grants.nih.gov/grants/guide/pa-files/PA-04-102.html>

**DEADLINES: 01 OCT 04, 01 FEB 05, 01 JUN 05.**



## THE GENEVA FOUNDATION

### **RESEARCH METHODS FOR OCCUPATIONAL CANCER (PA-99-148)**

The purpose of this initiative is to stimulate research for developing knowledge that can be used in preventing occupational cancers and to better understand their underlying pathophysiology. This area of research is one of the subtopics of the National Occupational Research Agenda (NORA) which is supported by several components of the Public Health Service within the CDC and the NIH. These methods should be of particular utility in addressing problem issues with contemporary and future cancer hazards including low level exposures, mixtures, inherited host factors, and interaction with non-occupational, environmental risk factors. For more information, please visit <http://www.cdc.gov/od/pgo/funding/PA-99148.htm>

**DEADLINE: None, continuous program**

### **SMALL GRANTS FOR BEHAVIORAL RESEARCH IN CANCER CONTROL (PAR-04-020)**

The Division of Cancer Control and Population Sciences of the National Cancer Institute (NCI) invites behavioral research applications in cancer control from new investigators or established scientists refocusing their research interests to behavioral research in cancer. The Small Grants Program is designed to aid and facilitate the growth of a nationwide cohort of scientists with a high level of research expertise in behavioral cancer control research. Small grants are short-term awards to provide support for pilot projects, development and testing of new methodologies, secondary data analyses, or innovative studies that provide a basis for more extended research.

**DEADLINES: 22 Dec 04, 20 Apr 05, 22 Aug 05, and 20 Dec 05**

<http://grants2.nih.gov/grants/guide/pa-files/PAR-04-020.html>

### **STUDIES OF THE ECONOMICS OF CANCER PREVENTION, SCREENING, AND CARE (PA-04-017)**

The Division of Cancer Control and Population Sciences (DCCPS), National Cancer Institute (NCI), and the Agency for Health Care Research and Quality (AHRQ), invite investigator-initiated grant applications for research directed at increasing the knowledge base in the area of the economic aspects of cancer prevention, screening and care. The goal of this program announcement is to generate new economic knowledge that will promote the optimal design of cancer prevention and control trial studies and interventions and will facilitate the formulation of effective health care policy related to cancer prevention and control. This initiative requests research applications on new methods development, the synthesis and extension of existing methods, and innovative data gathering strategies. Applications that propose to implement actual data collection on a pilot or full-scale basis as well as analytical studies that use existing data and methodology may also be submitted.

**DEADLINES: 1 Oct 04, 1 Feb 05, and 1 Jun 05**

<http://grants2.nih.gov/grants/guide/pa-files/PA-04-017.html>

### **TESTING TOBACCO PRODUCTS PROKOTED TO REDUCE HARM (PA-04-103)**

The purpose of this Program Announcement (PA) is to stimulate multidisciplinary research on potential reduced-exposure tobacco products, both smoked and smokeless, through the interplay of basic, biological, and behavioral research, surveillance, and epidemiology. The tobacco industry is currently promoting some new products with claims that they are less harmful or less addictive because these products purportedly deliver lower amounts of toxic, carcinogenic, and/or addictive agents to the user compared with conventional products. However, to date, the scientific evidence is insufficient to evaluate whether these new products actually reduce the users' exposure or risk for tobacco-related diseases. The key research question of this PA is, "Do potential reduced-exposure tobacco products provide a truly, less-harmful alternative to conventional tobacco products, both on the individual and population level?" For more information, visit <http://grants.nih.gov/grants/guide/pa-files/PA-04-103.html>

**DEADLINES: 01 OCT 04, 01 FEB 05, 01 JUN 05, 01 OCT 05, 01 FEB 06.**



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### UNDERSTANDING AND PREVENTING BRAIN TUMOR DISPERSAL (PAS-04-079)

The goal of this Program Announcement with set-aside funds (PAS) is to promote studies that: (1) identify the properties of brain tumor cells that cause them to migrate; (2) determine how interaction of tumor cells with normal brain elements affects migration; and (3) translate understanding of these parameters into interventions that target invading tumor cells. Interdisciplinary studies that apply new concepts and methodologies from developmental neuroscience, genomics, precursor cell biology and other related fields are particularly encouraged. For the full PAS, visit <http://grants.nih.gov/grants/guide/pa-files/PAS-04-079.html>

**DEADLINES: 1 OCT 04, 1 FEB 05, 1 JUN 05... Until Oct 07**

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## PROTEOMICS

**NEW**

### PROTEOMICS IN AUDITORY DEVELOPMENTAL AND DISEASE PROCESSES

This announcement seeks to promote the use of proteomic technologies to investigate the molecular and cellular mechanisms of normal/abnormal auditory development, and maintenance, as well as specific disease states of hearing tissues and sensory organs. The utilization, development and improvement of innovative proteomic technologies to address these issues are encouraged through applications relevant to these biological areas.

**DEADLINE: 1 Oct, 1 Feb, 1 Jun... through 1 Jun 2006**

<http://grants1.nih.gov/grants/guide/pa-files/PA-03-151.html>

### INVITROGEN

Proposals are requested in the broad areas of proteomics, genomics, bioinformatics, drug discovery, cell culture, and cell biology. Topics to be considered for each of these areas include: amplification, arrays, biochemical assays, biodefense, bioengineering, bioproduction, cell-based assays, cell biology, cell differentiation, cell lines, cell signaling, cloning, electrophoresis, enzymes, expression, gene display, informatics, labeling & detection, microarrays, modeling, molecular interactions, nanotechnology, protein engineering, purification, reporters, RNAi, separations, sequencing, transgenics and others. The program is designed to encourage the discovery, development, and commercialization of research tools. An ideal project is one that leads to a novel research tool or application that can then be commercialized. For more information, visit <http://www.invitrogen.com/content.cfm?pageid=10>.

**DEADLINES: 10 DEC 04. A brief pre-proposal is requested.**

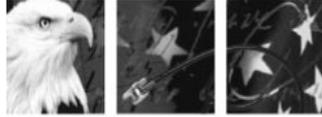
### NHLBI CLINICAL PROTEOMICS PROGRAMS

The sponsor provides support for Clinical Proteomics Programs to promote systematic, comprehensive, large-scale validation of existing and new candidate protein markers that are appropriate for routine use in the diagnosis and management of heart, lung, blood, and sleep diseases. These Programs will facilitate validation of protein panels that may be used to predict disease susceptibility or to assist in differential diagnosis, disease staging, selection of individualized therapies, or monitoring of treatment responses.

**DEADLINE: LOI by 17 Sep 04. Application 14 Oct 04.**

<http://grants1.nih.gov/grants/guide/rfa-files/RFA-HL-04-020>

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## THE GENEVA FOUNDATION

### WOMEN'S HEALTH

#### **PARTNERSHIPS FOR TOPICAL MICROBICIDES**

**NEW**

This Partnership Program will support the development and testing of topical microbicides that target multiple organisms for the control and prevention of Sexually Transmitted Infections (STIs), including co-infections of the Human Immunodeficiency Virus (HIV) and other STIs.

**DEADLINE: Letter of Intent: 19 NOV 04, Application: 20 DEC 04**

#### **DEPARTMENT OF HEALTH AND HUMAN SERVICES, CENTER FOR DISEASE CONTROL AND PREVENTION**

The Division of Reproductive Health has four priority areas addressed by this announcement: (1) Maternal health, (2) infant health, (3) unintended and teen pregnancy prevention, and (4) women's reproductive health. This announcement seeks proposals for etiologic or interventional research that one or more of these four priority areas, especially as they relate to the problems of disparities in risk, prediction of risk, and prevention of preterm birth or unintended pregnancy.

**DEADLINE: Letter of Intent: 23 SEP 04, Application: 8 NOV 04**

<http://a257.g.akamaitech.net/7/257/2422/06jun20041800/edocket.access.gpo.gov/2004/04-19310.htm>

#### **WOMEN'S MENTAL HEALTH IN PREGNANCY AND THE POSTPARTUM PERIOD (PA-03-135)**

The National Institute of Mental Health (NIMH), the National Institute of Drug Abuse (NIDA), and the National Institute of Child Health and Human Development (NICHD) encourage research on women's mental health in relation to pregnancy and the postpartum period.

**DEADLINE: 1 Oct 04, 1 Feb 05, 1 Jun 05, 1 Oct 05, & 1 Feb 06.** For more information on this PA, see

<http://grants.nih.gov/grants/guide/pa-files/PA-03-135.html>

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### MISC.

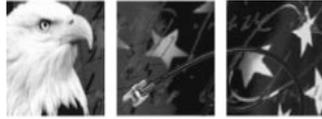
**NEW**

#### **NIOSH EXPLORATORY/DEVELOPMENTAL GRANT PROGRAM (Occupational Health)**

Priority Research Areas are: Disease and Injury (Allergic and Irritant Dermatitis, Asthma and Chronic Obstructive Pulmonary Disease, Fertility and Pregnancy Abnormalities, Hearing Loss, Infections Diseases, Low Back Disorders, Musculoskeletal disorders of the Upper Extremities, and Traumatic Injuries) Work Environment and Workforce (Emerging Technologies, Indoor Environment, Mixed Exposures, Organization of Work, and Special Populations at Risk) Research Tools and Approaches (Cancer Research Methods, Control Technology and Personal Protective Equipment, Exposure Assessment Methods, Health Services Research, Intervention Effectiveness Research, Risk Assessment Methods, Social and Economic Consequences of Workplace Illness and Injury, and Surveillance Research Methods). Many other topics are also supported including: violence, biomarkers, emergency response, mining, bioterrorism, agricultural related illnesses and injuries, and other occupational safety and health issues.

**DEADLINE: 1 OCT, 1 FEB, 1 JUN, through 1 OCT 2006**

<http://grants1.nih.gov/grants/guide/pa-files/PA-04-030.html>



## THE GENEVA FOUNDATION

**NEW**

### NHLBI INNOVATIVE RESEARCH GRANT PROGRAM

The sponsor provides support for studies designed to provide preliminary results to demonstrate feasibility of novel approaches to heart, lung, and blood diseases and sleep disorders. The goal is to facilitate performance of short-term projects that explore innovative approaches not readily supported by other funding mechanisms and that require the use of existing data sets or existing collections of biological specimens.

**DEADLINE: 1 OCT, 1 FEB, 1 JUN, through 1 OCT 2006**

<http://grants1.nih.gov/grants/guide/pa-files/PA-03-015.html>

**NEW**

### NOVEL TARGETS AND THERAPY DEVELOPMENT FOR ISCHEMIC STROKE

The National Institute of Health (NIH) support research with an ultimate goal to improve understanding of brain hemostatis, identify new molecular targets, explore promising agents, and develop novel therapeutics for cerebral ischemia.

**DEADLINE: Letter of Intent: 10 Dec 04; Application: 10 Jan 05**

<http://grants1.nih.gov/grants/guide/rfa-files/RFA-HL-05-004.html>

**NEW**

### OFFICE OF NAVAL RESEARCH

The Office of Naval Research (ONR 331) seeks white papers describing the development of innovative research tools to address future Naval/DoD capabilities and needs. A research tool is broadly defined as a methodology, model, instrument or fundamentally new concept that will shape how the scientific community approaches future research problems, develops experimental approaches and/or implements new ideas into practical systems. The design aspect of the research tool will focus on identification of the critical elements of the research tool that will allow for its broad implementation. The consortium will consist of a group of researchers who provide complementary skills for identification and advancement of the research tool. Collectively, the synergy among members of this consortium will yield an enhanced scientific capability in an accelerated time frame.

**DEADLINE: White Papers due 22 SEP 04, Full Application due 18 Nov 04**

<http://www.fedgrants.gov/Applicants/USN/ONR/HQ/BAA04024/listing.html>

**NEW**

### PEER REVIEWED MEDICAL RESEARCH PROGRAM

Each year, the US Army Medical Research and Materiel Command's Peer Review Medical Research Program (PRMRP) invites grant applications on a variety of topics. In FY04, PRMRP's research topic areas were (Note: Your proposal must specifically and clearly address one of these topic areas for consideration): Amyotrophic Lateral Sclerosis, Alcoholism Research, Anti-diarrhea Supplement, Blood-related Cancer Research, Childhood Asthma, Chronic Pain Research, Epilepsy Research, Geneware Rapid Vaccine Development, Interventional Cardiovascular Magnetic Resonance Imaging Technologies, Muscle Function Research, Malaria Vaccine Initiative [SBRI], Muscular Dystrophy, Osteoporosis and Bone Related Disease, Research Padgett's (sic) Disease, Providence Cancer Research Project, Post-traumatic Stress Disorder, Social Work Research, Interstitial Cystitis, Military Medical Informatics Research, Limb Loss and Paralysis Research, Reserve Component Medical Training Program, Smoking Cessation, Pseudofolliculitis Barbae, Lung Cancer Screening, Military Relevant Disease Management (especially research on Malaria, Leishmaniasis, and Wound Infections). It's not too early to start thinking about research projects and preparing applications for FY05!!

**ANTICIPATED DEADLINE: March 2005**

[http://www1.va.gov/resdev/fr/frrfp/FY04\\_PRMRP\\_BAA\\_Supplement.pdf](http://www1.va.gov/resdev/fr/frrfp/FY04_PRMRP_BAA_Supplement.pdf)



## THE GENEVA FOUNDATION

### **SMALL GRANTS IN OCCUPATIONAL SAFETY AND HEALTH RESEARCH**

**NEW**

The sponsor invites small grant applications for research related to occupational safety and health. The overall purpose of this grants program is to develop knowledge that can be used in preventing occupational diseases and injuries, and to understand better their underlying pathophysiology.

**DEADLINE: 1 Oct 04**

<http://grants1.nih.gov/grants/funding/phs398/phs398.html>

### **UNDERSTANDING AND PROMOTING HEALTH LITERACY**

**NEW**

The goal of this Program Announcement is to increase scientific understanding of the nature of health literacy and its relationship to healthy behaviors, illness prevention and treatment, chronic disease management, health disparities, risk assessment of environmental factors, and health outcomes including mental and oral health.

**DEADLINES: 1 Oct 04, 1 Feb 05, 1 Jun 05 through 1 OCT 06.**

<http://grants1.nih.gov/grants/guide/pa-files/PA-04-117.html>

**NEW**

### **UNDERSTANDING MECHANISMS OF HEALTH RISK BEHAVIOR CHANGE IN CHILDREN AND ADOLESCENTS**

The National Institute of Child Health and Development invites research grant applications that will enhance our understanding of the factors and mechanisms that determine changes in health risk behaviors during childhood and adolescence. Of particular interest are factors and processes that influence the initiation, continuation, and/or cessation of one or more of the following health risk behaviors: (1) substance abuse, (2) inadequate exercise and poor dietary practices as they relate to being overweight or obese, and (3) intentional and unintentional injuries. The terms "health risk behaviors" and "risky behaviors" are used interchangeably in this PA.

**DEADLINE: 1 Oct 04, 1 Feb 05, 1 Jun 05, through 1 Feb 07**

<http://grants1.nih.gov/grants/guide/pa-files/PA-04-121.html>

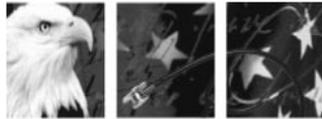
### **ARMY RESEARCH LABORATORY & ARMY RESEARCH OFFICE - DAAD19-03-R-0017**

The Army Research Laboratory & Army Research Office have several research area directorates under this announcement; a few are listed below. For more information, visit

<http://www.aro.army.mil/research/arl/fy06arlbba.doc>

The Human Research and Engineering Directorate (HRED) plans, manages, and conducts a comprehensive, multi-disciplinary program of scientific research directed toward defining human performance in perceptual, cognitive, and psychomotor domains.

Biomolecular and Cellular Materials and Processes. Fundamental studies to define structure-function relationships and biochemical interactions for enzymes, receptors and other macromolecules exhibiting mechanisms and properties uniquely relevant to synthetic and degradative pathways of interest to the military, including establishment of the foundations for manipulation and exploitation of biocatalysis, ribosomal and non-ribosomal biosynthesis to enhance permissiveness toward elaboration of useful biomolecular structures and cellular systems designed with "metabolic engineering" in mind. Also, research to provide insight from nature on novel theoretical principles and mechanisms in sensory and motor function, as well as on materials with extraordinary properties, from biological sources. Includes not only initial molecular events, signal transduction pathways and integrated information processing for the powerful sensing capabilities exhibited in the biological world, but also self-



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assembly processes, hierarchical structure formation, and functional characterization of biomolecular materials such as those with potential "biomimetic" utility for nanometer scale fabrication or for energy and information transfer, among other possibilities.

**Molecular Genetics and Genomics.** This program emphasizes basic research in molecular genetics and genomics that will enable optimization of soldier cognitive and physical performance, soldier protection, and Army logistics. This includes human performance and protection under both normal conditions, and when affected by a variety of stressors that are likely to be encountered in battlefield situations, such as dehydration, heat, cold, sleep deprivation, fatigue, caloric insufficiency, microbial factors, and psychological stress.

**Microbiology and Biodegradation.** Biochemical and physiological mechanisms, underlying the biodegradative processes in normal, extreme, and engineered environments and fundamental studies on organisms in these environments, the properties of materials that make them susceptible or resistant to biological attack, basic concepts for anti-fungals, and studies of microbiological mechanisms with potential for contributing to the remediation of sites contaminated with toxic wastes. Included are research investigations in analytical microbiology (including microbial signatures), and in general microbial mechanisms with relevance to Army problems.

**Neurophysiology and Cognitive Neuroscience.** Research in the perception and cognition subfields of neurophysiology and the cognitive neurosciences, covering several or all areas of electrophysiology, psychophysiology, sensory and perceptual physiology, computational neurobiology, psychophysics, neuropsychology, and integrative neurobiology is of interest.

### **CELLULAR AND GENETIC DISCOVERY TOWARD CURATIVE THERAPY IN MYELOPROLIFERATIVE DISORDERS (MPD) (RFA-HL-04-034)**

This Request for Applications (RFA) solicits applications searching for new cellular and genetic markers associated with the origin and progression of myeloproliferative disorders (MPD) that can be applied to the future development of novel therapeutics with curative intent. For more information, visit

<http://grants.nih.gov/grants/guide/rfa-files/RFA-HL-04-034.html>

**DEADLINES: Letters of intent 16 JAN 05, full applications 16 FEB 05**

### **CHARACTERIZATION, BEHAVIOR, AND PLASTICITY OF PLURIPOTENT STEM CELLS (PA-04-101)**

Stem cells appear to possess great plasticity, but the cellular mechanisms regulating their behavior and fate are not understood. If these mechanisms can be harnessed to obtain cells specifically required for therapy, diagnosis or drug discovery, it may be possible to restore function to tissues and organ systems that have been compromised by congenital disorders, developmental malfunction, age, injury, disease or drug exposure. For more information, visit

<http://grants.nih.gov/grants/guide/pa-files/PA-04-101.html>

**DEADLINES: 1 Oct, 1 Feb, 1 Jun until 1 Jun 2007**

### **COLLABORATIVE CLINICAL TRIALS IN DRUG ABUSE (PAR-04-073)**

The National Institute on Drug Abuse (NIDA) seeks to increase the collaboration of investigators at different sites in order to address critical issues in the treatment of substance-related disorders that require sample sizes greater than a single site can reasonably attain. The expectation for the collaborative effort is that there will be implementation of common clinical trials across different sites in order to study patient outcomes, patient factors, provider factors, setting characteristics, interactions of these, or other effects where pooled samples are



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appropriate and necessary for the hypotheses under consideration. For the full PAR, visit

<http://grants.nih.gov/grants/guide/pa-files/PA-04-073.html>

**DEADLINES: 13 Oct 04, 16 Feb 05, 16 Jun 05, 13 Oct 05... Until 16 Feb 07**

### **DEFENSE ADVANCED RESEARCH PROJECTS AGENCY - DEFENSE SCIENCES RESEARCH AND TECHNOLOGY**

The mission of the Defense Advanced Research Projects Agency's Defense Sciences Office (DSO) is to identify and pursue the most promising technologies within a broad spectrum of the science and engineering research communities and to develop those technologies into important, radically new military capabilities. Topic areas for this Broad Agency Announcement include: new materials, materials concepts, materials processing and devices; application of advanced mathematics to problems of interest to the Department of Defense; biological warfare defense; applications of biology to defense applications; and novel technologies to improve the human consequences of transformation. DARPA also seeks proposals in the special focus area of research, design, demonstration, and validation of coating systems that are biocidal, renewable, and self-cleaning. Ideas outside of the advertised focus areas will be considered in scope only if the proposers can demonstrate that their ideas have the potential for radical improvement to national security and are within the technical interests of the office. Application guidelines are available at <http://fedgrants.gov/Applicants/DOD/DARPA/CMO/BAA04-12/listing.html>

**DEADLINE: 2 FEB 2005 White papers are encouraged before submitting a full proposal.**

### **EPIDEMIOLOGY OF DRUG USE (PA-04-100)**

This new PA encourages a broad range of epidemiologic research on drug use, abuse, and dependence. It highlights new areas for research that emphasize the vital public health role of epidemiologic research in drug abuse. The major goal of this PA is to stimulate innovative investigations that enhance our understanding of: (1) drug use patterns and trends within and across populations; (2) interplay of social interactions, social environment, structural context with individual behavioral characteristics and genetic vulnerability; (3) the phenotypic heterogeneity of drug abuse; (4) causal mechanisms leading to onset, maintenance, and remittance of drug abuse, as well as protective mechanisms that reduce the risk of drug abuse; and (5) drug abuse over the life course, including developmental processes that influence drug use trajectories and behavioral, health, and social consequences of drug abuse. For the full announcement, visit <http://grants.nih.gov/grants/guide/pa-files/PA-04-100.html>

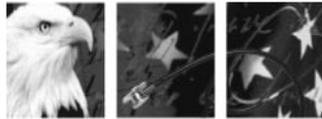
**DEADLINE: 01 Oct 04, 01 Feb 05, 01 Jun 05, 01 Oct 05 ... until 2007**

### **MECHANISMS OF ALCOHOLIC PANCREATITIS (PA-04-005)**

The National Institute on Alcohol Abuse and Alcoholism (NIAAA), National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK), and National Institute on Drug Abuse (NIDA) are seeking research grant applications that will investigate the underlying molecular, biochemical, and cellular mechanisms by which long-term alcohol ingestion leads to the development of pancreatitis. Research is also encouraged to understand the role of various predisposing factors, including substance abuse, that make the pancreas susceptible to alcoholic injury. Understanding the mechanisms as well as the role of predisposing factors may help in developing strategies for the prevention or treatment of the disease.

**DEADLINES: 1 Oct 04, 1 Feb 05, 1 Jun 05, 1 Oct 05, 1 Feb 06, 1 Jun 06 & 1 Oct 06**

For the full PA, visit <http://grants1.nih.gov/grants/guide/pa-files/PA-04-005.html>.



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### **MENTAL HEALTH CONSEQUENCES OF VIOLENCE AND TRAUMA (PA-04-075)**

Through this Program Announcement (PA), the National Institute of Mental Health (NIMH) seeks to encourage investigator-initiated research to enhance scientific understanding about the etiology of psychopathology related to violence and trauma, as well as studies to develop and test effective treatments, services, and prevention strategies in this area. The NIMH mission encompasses the conduct and support of biomedical and behavioral research, as well as the translation and testing of scientifically generated information into clinical applications, interventions, and services. For the full PA, visit <http://grants.nih.gov/grants/guide/pa-files/PA-04-075.html>

**DEADLINES: 1 Jun 04, 1 Oct 04, 1 Feb 05, 1 Jun 05... Until 2 Mar 07.**

### **MYELODYSPLASTIC SYNDROME (MDS): SEEKING CURE THROUGH DISCOVERY ON PATHOGENESIS AND DISEASE PROGRESSION (RFA-HL-04-033)**

This Request for Applications solicits applications that seek new discoveries in the etiology and pathophysiology of myelodysplastic syndromes (MDS) with the aim to develop new and curative treatment options in the future. A separate RFA HL-04-034 (please see <http://grants.nih.gov/grants/guide/rfa-files/RFA-HL-04-034.html>)

is directed towards myeloproliferative disorders. Applicants are directed to apply to one or the other but not both RFAs. For more information, please visit <http://grants.nih.gov/grants/guide/rfa-files/RFA-HL-04-033.html>

**DEADLINES: Letters of intent 16 JAN 05, Full applications 16 FEB 05**

### **NIAMS SMALL GRANT PROGRAM FOR NEW INVESTIGATORS (PAR-04-002)**

The NIAMS Small Grant program is designed to facilitate the entry of promising new investigators into research on arthritis and musculoskeletal and skin diseases and injuries. Brief summaries of the focuses of the NIAMS' Extramural Program branches are listed below. For more detailed information about scientific areas of interest to the NIAMS, applicants are encouraged to refer to the NIAMS website at <http://www.niams.nih.gov>.

**DEADLINES: 24 Feb, 24 Jun and 22 Oct in 2004 and 2005.**

### **NIOSH EXPLORATORY/DEVELOPMENTAL GRANT PROGRAM (TPA-04-008)**

The NIOSH (National Institute of Occupational Safety and Health) and CDC invite grant applications for research related to occupational safety and health. NIOSH research programs support priority areas identified in the National Occupational Research Agenda (NORA) as well as applications aimed at reducing injury and illness in construction, transportation, agriculture, mining, and health care, described in the RESEARCH OBJECTIVES section which provides an example of NORA and other occupational safety and health research program areas. For more information, visit

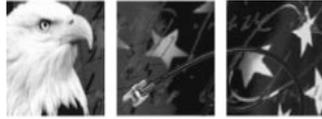
<http://www.cdc.gov/od/pgo/funding/Expired/PA-04-008.htm>

**DEADLINES: 01 Oct 04, 01 Feb 05, 01 Jun 05, 01 Oct 05... until Jun 2006**

### **OCCUPATIONAL HEALTH AND SAFETY RESEARCH (PA-04-038)**

The National Institute for Occupational Safety and Health (NIOSH), Centers for Disease Control and Prevention (CDC) and participating Institutes and Centers, National Institutes of Health (NIH) invite grant applications for research related to occupational safety and health. NIOSH research programs support priority areas identified in the National Occupational Research Agenda (NORA) and other significant programs related to occupational safety and health. The overall purpose of this grants program is to develop knowledge that can be used in preventing occupational diseases and injuries and to understand better their underlying pathophysiology. For more information, visit <http://www.cdc.gov/od/pgo/funding/Expired/PA-04-038.htm>

**DEADLINES: 01 OCT 04, 01 FEB 05, 01 JUN 05 until Oct 2006**



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### **RESEARCH PARTNERSHIPS FOR IMPROVING FUNCTIONAL OUTCOMES (PAR-04-077)**

Participating Institutes and Centers (ICs) of the National Institutes of Health (NIH) and the Agency for Healthcare Research and Quality (AHRQ) invite applications for RO1 awards to support Research Partnerships for Improving Functional Outcomes (RPIFO) for basic, applied, and translational multi-disciplinary research that addresses important biological, behavioral, medical, and/or psychosocial research problems related to rehabilitation or health maintenance of individuals with acute or chronic disease. For the full PAR, visit <http://grants.nih.gov/grants/guide/pa-files/PAR-04-077.html>.

**DEADLINES: 13 Oct 04, 13 Oct 05, & 13 Oct 06**

### **REVOLUTIONARY GENOME SEQUENCING TECHNOLOGIES -- THE \$1000 GENOME**

The purpose of this Request for Applications (RFA) is to solicit grant applications to develop novel technologies that will enable extremely low-cost genomic DNA sequencing. Current technologies are able to produce the sequence of a mammalian-sized genome of the desired data quality for \$10 to \$50 million; the goal of this initiative is to reduce costs by at least four orders of magnitude, so that a mammalian-sized genome could be sequenced for approximately \$1000. For more information, visit <http://www.grants.nih.gov/grants/guide/rfa-files/RFA-HG-04-003.html>

**DEADLINES: Letters of intent 14 Sep 04, Full applications 14 Oct 04**

### **SPEECH PROCESSOR OPTIMIZATION FOR COCHLEAR IMPLANTS (RFA-DC-04-001)**

The National Institute on Deafness and Other Communication Disorders (NIDCD) seeks investigator-initiated applications for research project grant awards (RO1) or Exploratory/Developmental research grant awards (R21) to advance the design of speech processors for cochlear implants. The goal of this RFA is to support the development of innovation and enhancements for cochlear implants that will increase the level of patient performance. For the full RFA, visit <http://grants.nih.gov/grants/guide/rfa-files/RFA-DC-04-001.html>

**DEADLINES: 21 FEB 05 for Letter of Intent and 16 MAR 05 for full application.**

### **SLEEP DISTURBANCE IN PARKINSON'S DISEASE AND PARKINSON-LIKE CONDITIONS (PAS-03-131)**

The National Institute of Neurological Disorders and Stroke National Heart, Lung, and Blood Institute presents a program announcement (PA) with set-aside funds. The PA is designed to stimulate and support research on sleep disorders in Parkinson's disease (PD) and Parkinson's related neurological conditions (PRNC).

**DEADLINE: 1 Oct 04, 1 Feb 05, 1 Jun 05, 1 Oct 05, 1 Feb 06, & 1 Jun 06.** For more information on this PAS, see <http://grants.nih.gov/grants/guide/pa-files/PAS-03-131.html>

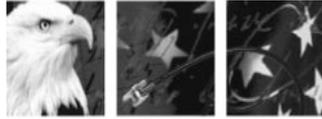
### **UBIQUITIN AND UBIQUITIN-LIKE MODIFICATIONS REGULATING DISEASE PROCESSES (PA-03-145)**

The National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK), the National Institute of Aging (NIA), and the National Cancer Institute (NCI) invite investigator-initiated research projects (RO1 and R21) focused on elucidating the various roles of ubiquitin and ubiquitin-like modifications in the development, normal physiology and/or disease progression in cells, organs, and tissues of interest to NIDDK, NCI, and NIA.

**DEADLINE: 1 Oct 04, 1 Feb 05, 1 Jun 05, 1 Oct 05, 1 Feb 06 & 1 Jun 06.** For more information, see the full Program Announcement at <http://grants.nih.gov/grants/guide/pa-files/PA-03-145.html>

### **U.S. DEPARTMENT OF DEFENSE - BROAD AGENCY ANNOUNCEMENT FOR BIOMEDICAL RESEARCH**

The US Special Operations Command is soliciting pre-proposals directed at basic and applied biomedical research focusing on Special Operations Forces-relevant aspects of medical care, particularly related to: combat casualty management; medical aspects of mission planning, biomedical training, environmental protection, vibration/shock



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injury, nutrition, hydration, diving procedures, equipment and injuries, exercise and mission related physiology, field diagnostic and care equipment; and medical information management systems. Application guidelines are available at <http://www.eps.gov/spg/ODA/USSOCOM/SOAL-KB/BAA2005/listing.html> **DEADLINE: April 30, 2005**

### **US ARMY MEDICAL RESEARCH & MATERIEL COMMAND**

**Military Infectious Diseases Research Program** - Research on naturally occurring infectious diseases emphasizes the prevention, diagnosis and treatment of endemic and emerging infectious diseases with demonstrated or potential capability to seriously diminish military operational readiness.

**Human Immunodeficiency Virus (HIV) Research Program** - The HIV research program emphasizes prevention of disease transmission and measures to prevent disease progression. This includes vaccines for prevention, prevention education of service members, disease assessment, and intervention strategies. Research will be conducted to maximize the unique characteristics of military populations such as the broad cross-sectional nature of the community, their potential to be deployed to almost any area of the world, and the total susceptibility of the group to the disease.

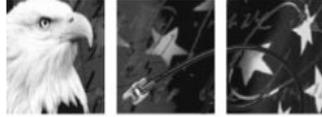
**Medical Biological Defense Research Program** - This program provides medical countermeasures for biological warfare agents. These countermeasures include specialized medical materiel or procedures designed to enhance protection. The priorities of the program are: 1) prophylaxis or pretreatment to prevent any casualty, b) identification and diagnosis of biological agents, and c) treatment or supportive care regimens.

**Medical Chemical Defense Research Program** - This program seeks to preserve combat effectiveness by timely provision of medical countermeasures in response to Joint Service chemical warfare defense requirements. The fundamental orientation of the program is to protect US forces from the effects of chemical warfare agents by developing protective, pretreatment, and prophylactic products, providing products usable by the individual soldier for immediate treatment of chemical warfare agent exposures, developing antidotes/therapeutics to chemical warfare agents, defining care procedures for chemical warfare casualties, and advancing management of these casualties.

**Combat Casualty Care Research Program** - This program provides integrated capabilities for far-forward medical care thereby reducing mortality and morbidity associated with major battlefield wounds and injuries. A primary emphasis of the research program is on the identification and development of medical techniques and materiel (medical devices, drugs, and biologics) for early intervention in life-threatening battle injuries.

**Telemedicine and Advanced Technology Program** - The scope of this program includes identification, exploration, and demonstration of key technologies and enabling biomedical principles required to overcome technological barriers that are both medically and militarily unique. The goals of this effort are to: 1) reduce the medical "footprint" and increase medical mobility while ensuring access to essential medical expertise and support; 2) incorporated health awareness into battlespace awareness; 2) improve the skills and efficiency of care providers; and 4) improve the delivery and quality of medical/surgical care throughout the battlespace.

**Military Operational Medicine Research Program** - Operational medicine research centers on the protection of health and sustainment of military performance in the face of stressors that confront soldiers in a deployment. Research is directed to protect and enhance soldiers in a deployment. Research is directed to an improved understanding of the physiology of the deployed soldier, the development of improved damage risk criteria to



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protect against materiel and environmental hazards, and development of specifications, algorithms, and models for strategies and interventions to protect heath and performance.

**DEADLINES: There are no deadlines. Suggest submitting a pre-proposal first.**

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The Geneva Foundation can assist you in identifying and contacting potential sponsors to ensure eligibility. Once a match is made for your research proposal, we will assist you during the planning and preparation phases of proposal development. Let our pre-award staff review your proposal prior to submission for fatal flaws, grammatical errors, adherence to the funding solicitation, and overall fundability. Then, after the award has been made, Geneva's professional and trained grant management team will handle all aspects of grant administration.

For questions or more information with regard to any of the solicitations listed in this bulletin, contact Anne Reedy at 253.862.1104 or by email at [areedy@thegenevafoundation.org](mailto:areedy@thegenevafoundation.org). Please note that there are many more funding opportunities available to you that are not listed in this bulletin, so don't hesitate to contact Anne.

Information contained in this bulletin is presented as found on agency and organizational websites.