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Government Bioscience Grant (GBG) Report April 2015

	Title (Agency)	Opp. Number	Description	Deadline	Funding Level	Eligibility	Link
			KIDNEY				
1	Pilot and Feasibility Clinical Research Grants in Kidney Diseases (R21) – Department of Health and Human Services, National Institutes of Health	PAR-15-161	This FOA is to support Exploratory/Developmental Research Grants (R21) that propose small scale or pilot and feasibility clinical and translational research studies, including epidemiological studies or clinical trials related to kidney disease research. Studies should address important clinical and translational questions and are potentially of high clinical and public health impact. It is anticipated that some projects supported by these grants may lead to full-scale clinical studies including diagnostic strategies, epidemiological studies, or randomized clinical trials of diagnosis, prevention, or treatment of kidney diseases.	5/7/18	Award Ceiling: \$200,000	Unrestricted	http://grants.nih.gov/grants/guide/pa-files/PAR-15-161.html
2	New Directions in Hematology Research (SHINE-II) (R01) – Department of Health and Human Services, National Institutes of Health	PAS-15-168	This FOA is intended to promote innovative research initiatives that explore high impact, new directions of inquiry relevant to the hematology research mission of the National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK). NIDDK invites investigator-initiated grant applications for basic or pre-clinical, proof of principle research projects that are tightly focused and directed at validating novel concepts and approaches that promise to open up new pathways for discovery. Research applications submitted under this FOA should be more	5/6/18	Award Ceiling: \$200,000	Unrestricted	http://grants.nih.gov/grants/guide/pa-files/PAS-15-168.html

			limited in scope (a single central aim) and duration (1-3 years) than typical R01 grant applications.				
			PHARMACEUTICALS				
3	Alzheimer's Drug-Development Program (U01) Department of Health and Human Services, National Institutes of Health	PAR-15-174	The goal of this FOA is to provide funding support for the pre-clinical and early stage clinical (Phase I) development of small-molecule and biologic therapeutic agents that prevent Alzheimer's disease (AD), slow its progression or treat its cognitive and behavioral symptoms. Participants in this program will receive funding for therapy development activities such as medicinal chemistry, pharmacokinetics (PK), Absorption, Distribution, Metabolism, Excretion, Toxicology (ADMET), efficacy in animal models, formulation development, chemical synthesis under Good Manufacturing Practices (GMP), Investigational New Drug (IND) enabling studies and initial Phase I clinical testing. This program does not support research on basic mechanisms of disease, development of biomarkers, devices, non-pharmacological interventions (e.g., exercise, diet, cognitive training), repurposed drugs and combinations therapies or, discovery activities such as high throughput screening and hit optimization.	5/17/18	Award Ceiling: \$1,000,000	Unrestricted	http://grants.nih.gov/grants/guide/pa-files/PAR-15-174.html
			THERAPEUTICS				
4	DoD Amyotrophic Lateral Sclerosis Therapeutic Development Award	W81XWH-15-ALSRP-TDA	The Therapeutic Development Award supports the preclinical development of therapeutic leads for ALS. The proposed studies are expected to be empirical in nature and product-driven. New for FY15: The maximum period of performance is 2 years. The Therapeutic Development Award no longer supports development of model or screening systems or the conduct of screening. Those activities are now supported under the ALSRP FY15 Therapeutic Idea Award mechanism. Applications must clearly identify a lead molecule, or limited group of lead molecules, possessing demonstrated biological activity on a pathway relevant to ALS disease onset and/or progression. The FY15 Therapeutic Development Award supports a wide range	8/20/15	Est. Total Program Funding: \$3,200,000	Unrestricted	http://cdmrp.army.mil/funding/pa/15alsrptda_pa.pdf

			of post-discovery development activities ranging from post-discovery validation right up to IND submission.				
5	Exploratory Clinical Trials of Novel Interventions for Mental Health Disorders (R21/R33) – Department of Health and Human Services, National Institutes of Health	RFA-MH-16-405	The purpose of this FOA is to support the efficient pilot testing of novel interventions for mental disorders in adults and children through an experimental therapeutics approach. Under this FOA, trials must be designed so that results, whether positive or negative, will provide information of high scientific utility and will support go/no-go decisions about further development or testing of the intervention. Studies of novel interventions include, but are not limited to behavioral, pharmacological, biologics-based, cognitive, device-based, interpersonal, physiological, or combined approaches. Ultimately, this R21/R33 FOA is intended to speed the translation of emerging basic science findings of mechanisms and processes underlying mental disorders into novel interventions that can be efficiently tested for their promise in restoring function and reducing symptoms for those living with mental disorders.	10/14/16	Award Ceiling: \$200,000	Unrestricted	http://grants.nih.gov/grants/guide/rfa-files/RFA-MH-16-405.html

6	DoD Amyotrophic Lateral Sclerosis Therapeutic Idea Award	W81XWH-15-ALSRP-TIA	The Therapeutic Idea Award is designed to promote new ideas aimed at drug, treatment, and target discovery that are still in the early stages of development. Proposed research projects should include a well-formulated, testable hypothesis based on strong scientific rationale that holds translational potential to improve ALS treatment and/or advance a novel treatment modality.	8/20/15	Est. Total Program Funding: \$3,200,000	Unrestricted	http://cdmnp.army.mil/funding/pa/15alsrptia_pa.pdf
			HIV/AIDS				
7	Oral Immune System Plasticity in Chronic HIV Infection Under Treatment and Oral Co-Infections (R01) - Department of Health and Human Services and National Institutes of Health	RFA-DE-16-002	This FOA solicits research projects that study the mechanisms of oral immune system plasticity relevant to chronic HIV infection and oral coinfections. In this context, we encourage studies on reversal of immune activation, residual inflammation, immune reconstitution inflammatory syndrome (IRIS), and microbial and by-product translocation. These conditions occur in persons chronically infected with HIV who are treated with combination antiretroviral therapy (cART) and who also experience oral opportunistic infections. The ultimate goals of this FOA are: 1) to gain knowledge regarding the pathogenesis and persistence of these oral conditions; and 2) to guide the development of novel oral immune modulatory therapies that will aid in re-building the oral immune system to reverse these diseases, mitigate their progression, prevent their occurrence, and eliminate persistence of residual HIV and other oral pathogens in reservoirs.	10/29/15	Est. Total Program Funding: \$1,353,000	Unrestricted	http://grants.nih.gov/grants/guide/rfa-files/RFA-DE-16-002.html

8	The Role of Exosomes in HIV Neuropathogenesis (R01) (R21)	RFA-MH-16-100 RFA-MH-16-110	This FOA invites research grant applications focused on defining the central role of exosomes in the neuropathogenesis of Human Immunodeficiency Virus (HIV)-1 Associated Neurocognitive Disorders (HAND) and determining the potential use of exosomes as biomarkers for HAND or as delivery vehicles for CNS targeted therapeutics. Basic and translational research in domestic and international settings is of interest. Multidisciplinary research teams and collaborative alliances are encouraged but not required.	9/2/15	Award Ceiling: N/A (R01) \$200,000 (R21)	Unrestricted	http://grants.nih.gov/grants/guide/rfa-files/RFA-MH-16-100.html http://grants.nih.gov/grants/guide/rfa-files/RFA-MH-16-110.html
9	HIV Vaccine Research and Design (HIVRAD) Program (P01) – Department of Health and Human Services, National Institutes of Health	PAR-15-164	The HIV Vaccine Research and Design (HIVRAD) program is designed to fund projects that further address hypotheses crucial to the design of an efficacious HIV/AIDS prophylactic vaccine. Applications for five years of support should include plans that have advanced past the exploratory stage and include preliminary data. Less fully developed applications can request less than 5 years of support to establish feasibility. Applications aimed at developing or optimizing a specific vaccine platform should lay out a research pathway with clear decision points. Extensive modeling of vaccine concepts in non-human primates may be included.	7/14/17	Est. Total Program Funding: \$5,000,000	Unrestricted	http://grants.nih.gov/grants/guide/pa-files/PAR-15-164.html
10	Mechanisms of Immune Protection from TB among HIV-infected Individuals (R01) – Department of Health and Human Services, National Institutes of Health	RFA-AI-14-072	The purpose of this FOA is to support studies characterizing the genetic, epigenetic, and/or immunological correlates of protection against tuberculosis infection in highly-exposed but resistant individuals, and the interaction of these correlates with HIV infection. Studies may include identification of underlying genetic or epigenetic factors, as well as characteristics of the innate immune system and related regulatory genes and signaling pathways that play a role in protection from latent tuberculosis infection (LTBI). Multidisciplinary collaboration is encouraged, incorporating	7/22/15	Est. Total Program Funding: \$3,000,000	Unrestricted	http://grants.nih.gov/grants/guide/rfa-files/RFA-AI-14-072.html

			clinical studies coupled with functional experiments using samples and data from well-defined cohorts.				
			CANCER				
11	DoD Ovarian Cancer Clinical Translational Award	W81XWH-15-OCRP-CTA	The intent of the OCRP Clinical Translational Award mechanism is to support translational research addressing high-impact ideas or unmet needs in ovarian cancer. This award supports preclinical and clinical research studies. Clinical trials are not supported by this award mechanism. Although not intended to fund clinical trials, the Clinical Translational Award can also be used to support research projects related to or associated with ongoing or completed clinical trials supported by other funding sources. Preliminary data are required.	8/5/15	Est. Total Program Funding: \$1,440,000	Unrestricted	http://cdmrp.army.mil/funding/pa/15ocrpcta_pa.pdf
12	DoD Ovarian Cancer Investigator-Initiated Research Award	W81XWH-15-OCRP-IIRA	The OCRP Investigator-Initiated Research Award is intended to support meritorious basic and clinically oriented research in ovarian cancer; clinical trials will not be supported by this award mechanism. Research projects may focus on any phase of research from basic laboratory research through translational research. The rationale for a research idea may be derived from a laboratory discovery, population-based studies, a clinician's first-hand knowledge of patients, or anecdotal data.	8/12/15	Est. Total Program Funding: \$4,320,000	Unrestricted	http://cdmrp.army.mil/funding/pa/15ocriira_pa.pdf
13	DoD Ovarian Cancer Pilot Award	W81XWH-15-OCRP-PA	The OCRP Pilot Award supports conceptually innovative, high-risk/high-reward research that could ultimately lead to critical discoveries or major advancements that will drive the field of ovarian cancer research forward.	8/5/15	Est. Total Program Funding: \$7,200,000	Unrestricted	http://cdmrp.army.mil/funding/pa/15ocrppa_pa.pdf

14	DoD Lung Cancer Clinical Exploration Award – Department of Defense	W81XWH-15-LCRP-CEA	This award mechanism supports early-phase, proof-of-principle clinical trials and correlative studies to investigate hypothesis-based, innovative interventions that have the potential to resolve current clinical barriers and result in a profound impact on the clinical management of lung cancer. While therapeutic approaches proposed for testing through the CEA must represent novel, hypothesis-based, “outside-the-box” approaches for treating lung cancer, they may include therapies already in clinical use, or undergoing clinical testing for other diseases, provided that the proposed use for lung cancer would lead to a major advancement for treating the disease. Outcomes from studies funded by this award are anticipated to provide scientific rationale for subsequent development of larger, efficacy-based clinical trials of interventions that will transform lung cancer clinical care.	9/16/15	Est. Total Program Funding: \$2,240,000	Unrestricted	http://cdmrp.army.mil/funding/pa/15lcrpcea_pa.pdf
			DIABETES				
15	Pilot and Feasibility Clinical Trials in Diabetes, and Endocrine and Metabolic Diseases (R21) - Department of Health and Human Services, National Institutes of Health	PA-15-176	This FOA encourages the submission of pilot and feasibility trials conducted in humans that will lay the foundation for larger clinical trials related to the prevention and/or treatment of diabetes or selected endocrine and genetic metabolic diseases within the mission of NIDDK. The program will support short-term clinical trials in humans to acquire preliminary data and/or refine power calculations that would lead to a larger, more definitive study impacting clinical care or health outcomes.	5/7/18	Award Ceiling: \$200,000	Unrestricted	http://grants.nih.gov/grants/guide/pa-files/PA-15-176.html
			GENETICS				

16	Psychiatric Gene Networks: Solving the Molecular Puzzle of Psychiatric Disorders (Collaborative R01)	RFA-MH-16-310	The purpose of this FOA and the companion FOA is to solicit applications for computational and functional analysis of gene networks and complex pathways that confer susceptibility to severe mental illnesses. These studies should leverage existing diverse multi-scale datasets and apply a combination of cutting-edge bioinformatics, computational predictive modeling, and systems biology approaches to identify and begin to evaluate novel genetic factors and molecular networks underlying functional pathways relevant to psychiatric disorders to verify their relationship or causality with disease/disease risk.	6/29/15	Est. Total Program Funding: \$2,000,000	Unrestricted	http://grants.nih.gov/grants/guide/rfa-files/RFA-MH-16-310.html
17	Mechanisms of Immune Protection from TB among HIV-infected Individuals (R01)	RFA-AI-14-072	The purpose of this FOA is to support studies characterizing the genetic, epigenetic, and/or immunological correlates of protection against tuberculosis infection in highly-exposed but resistant individuals, and the interaction of these correlates with HIV infection. Studies may include identification of underlying genetic or epigenetic factors, as well as characteristics of the innate immune system and related regulatory genes and signaling pathways that play a role in protection from latent tuberculosis infection (LTBI). Multidisciplinary collaboration is encouraged, incorporating clinical studies coupled with functional experiments using samples and data from well-defined cohorts.	7/22/15	Est. Total Program Funding: \$3,000,000	Unrestricted	http://grants.nih.gov/grants/guide/rfa-files/RFA-AI-14-072.html
			IMAGING				

18	Molecular Imaging of the Lung - Phase 2 (R01) Department of Health and Human Services, National Institutes of Health	RFA-HL-16-001	This FOA invites Research Project Grant (R01) applications to develop novel in vivo imaging technologies using molecular probes that target pathways or cells involved in the pathobiology of pulmonary diseases. The long-term goal of this program is to develop novel molecular imaging entities and approaches that facilitate early detection and diagnosis of lung disease, enable noninvasive monitoring of lung disease progression and prognosis, and accelerate progress of cell-specific drug delivery and therapies. The previous FOA (RFA-HL-12-036 - Phase 1) supported projects to develop and validate innovative novel imaging agents and approaches that included target selection, probe development and production, and initial characterization of the probe. Phase 2 of this initiative will support studies that advance translation of identified probes and associated imaging approaches from animal models into applicability for human lung diseases. Phase 2 studies must include work performed in vivo using appropriate animal models of lung disease and studies using human tissues and/or cells.	6/5/15	Est. Total Program Funding: \$3,500,000 Award ceiling: \$450,000	Unrestricted	http://grants.nih.gov/grant/guide/rfa-files/RFA-HL-16-001.html
			GENERAL				
19	Epicenters for the Prevention of Healthcare Associated Infections (HAI) – Cycle II – Department of Health and Human Services, Centers for Disease Control and Prevention	RFA-CK-15-004	The purpose of this FOA is to expand the number of CDC Prevention Epicenters to translate basic, epidemiologic and technologic discoveries into new strategies for preventing healthcare-associated transmission of Ebola and/or infectious pathogens (viral or bacterial) that can be spread by mechanisms similar to Ebola. This might include, but is not limited to, project proposals that focus on the effectiveness of personal protective equipment against such pathogens, healthcare worker self-contamination with pathogens, or the role of the healthcare environment in pathogen transmission.	6/1/15	Est. Total Program Funding: \$11,000,000 Award ceiling: \$2,200,000 Award floor: \$1,500,000	Unrestricted	https://www.acf.hhs.gov/hhsgrantsforecast/index.cfm?switch=grant.view&gff_grants_forecastInfoID=100000550
			WORKFORCE DEVELOPMENT				

20	Cancer Research Education Grants Program - Research Experiences (R25)	PAR-15-152	The NIH Research Education Program (R25) supports research education activities in the mission areas of the NIH. The overarching goal of this NCI R25 program is to support educational activities that complement and/or enhance the training of a workforce to meet the nation's biomedical, behavioral and clinical research needs. To accomplish the stated over-arching goal, this FOA will support creative educational activities with a primary focus on Courses for Skills Development. Applications are encouraged that propose innovative, state-of-the-art programs that address the cause, diagnosis, prevention, and treatment of cancer, rehabilitation from cancer, and the continuing care of cancer patients and the families of cancer patients, in accordance with the overall mission of the NCI.	1/7/18	Award Ceiling: \$300,000	Unrestricted	http://grants.nih.gov/grants/guide/pa-files/PAR-15-151.html
21	Cancer Research Education Grants Program - Curriculum or Methods Development (R25)	PAR-15-150	The NIH Research Education Program (R25) supports research education activities in the mission areas of the NIH. The overarching goal of this NCI R25 program is to support educational activities that complement and/or enhance the training of a workforce to meet the nations biomedical, behavioral and clinical research needs. To accomplish the stated over-arching goal, this FOA will support creative educational activities with a primary focus on Curriculum or Methods Development. Applications are encouraged that propose innovative, state-of-the-art programs that address the cause, diagnosis, prevention, and treatment of cancer, rehabilitation from cancer, and the continuing care of cancer patients and the families of cancer patients, in accordance with the overall mission of the NCI.	1/7/18	Award Ceiling: \$100,000	Unrestricted	http://grants.nih.gov/grants/guide/pa-files/PAR-15-150.html