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## Government Bioscience Grant (GBG) Report—Updated Monthly

July 11, 2017

	Title (Agency)	Opp. Number	Description	Deadline	Funding Level	Eligibility	Link
			<b>BROAD AGENCY ANNOUNCEMENTS</b>				
1.	MTEC Multi-Topic (DoD/MTEC)	MTEC 17-08	This broad-topic solicitation requests white papers from prospective and current MTEC members for a broad range of medical technological solutions related to the following areas: Prevention, Diagnosis and Treatment of Infectious Diseases; Care of Combat Casualties; Clinical and Rehabilitative Medicine; Military Operational Medicine; Medical Simulation and Information Sciences; Advanced Medical Technologies; Advanced Medical Regulatory and Manufacturing Technologies. Proposed projects should not be exploratory in nature and do require a foundation of preliminary data (minimum of Technology Readiness Level 4).	White Paper Due: 9/29/17	Dependent Upon Proposal	Must be an MTEC member to receive funding, but do not have to be an MTEC member to submit white paper	<a href="https://mtec-sc.org/active-solicitations/">https://mtec-sc.org/active-solicitations/</a>
2.	DARPA Defense Sciences Office (DSO) Office-Wide BAA (DoDO)	HR00111 7S0040	The mission of the DARPA DSO is to identify and pursue high-risk, high-payoff research initiatives across a broad spectrum of science and engineering disciplines. In support of this mission, the DSO Office-wide BAA invites proposers to submit innovative basic or applied research concepts that explore Physical and Natural Systems, Human-Machine and Social Systems, and/or Math and Computational Systems through the lens of one or more of the following technical domains: Complexity Engineering, Science of Design, Noosphere, Fundamental Limits, and New Foundations.	Accepts White Papers on a Rolling Basis Until 6/11/18	Dependent Upon Proposal	Unrestricted	<a href="https://www.fb o.gov/index?s=opportunity&amp;mode=form&amp;id=bd42f6bf1369fa510ba083988f42ca61&amp;tab=core&amp;_cview=0">https://www.fb o.gov/index?s=opportunity&amp;mode=form&amp;id=bd42f6bf1369fa510ba083988f42ca61&amp;tab=core&amp;_cview=0</a>



<b>CANCER</b>							
3.	DoD Peer Reviewed Cancer Research Program, Career Development Award (DoD)	W81XW H-17-PRCRP-CDA	This award is for PIs that are early-career researchers or physician-scientists who have completed their terminal degree no more than 10 years ago. Research must address one of the following topics: Bladder cancer; Melanoma and other skin cancers; Brain cancer; Mesothelioma; Colorectal cancer; Neuroblastoma; Immunotherapy; Pancreatic cancer; Listeria-based regimens for cancer; Pediatric brain tumors; Liver cancer; Stomach cancer; or Lymphoma. Research applications in the areas of breast, prostate, lung (excluding mesothelioma), kidney, or ovarian cancer <b>will not</b> be accepted.	Pre-Proposal Due: 9/12/17  Full Proposal Due: 9/28/17	Up to \$360,000	Unrestricted	<a href="http://cdmrp.army.mil/funding/pa/FY17-PRCRP-CDA.pdf">http://cdmrp.army.mil/funding/pa/FY17-PRCRP-CDA.pdf</a>
4.	Notice of Intent for Precompetitive Collaboration on Liquid Biopsy for Early Cancer Assessment (NIH)	NOT-CA-17-059	The National Cancer Institute intends to promote a new initiative by publishing a Funding Opportunity Announcement (FOA) to solicit applications for research on "Precompetitive Collaboration on Liquid Biopsy for Early Cancer Assessment." The purpose of this initiative is to establish a Public-Private Partnership Program to develop new and/or validate existing technologies, methods, and assays for the capture and quantification of tumor associated cells, DNA, RNA, or exosomes in body fluids of patients with early stage disease or those at high risk.	Expected Publish Date: 7/15/17	TBA	Unrestricted	<a href="https://www.grants.gov/web/grants/view-opportunity.html?oppId=294280">https://www.grants.gov/web/grants/view-opportunity.html?oppId=294280</a>
<b>GENETICS</b>							
5.	Expanding Genome Integrity Assays to Population Studies (U01) (NIH)	RFA-ES-17-006	This FOA is technological in nature and supports a framework for basic scientists and epidemiologists to work together to improve on existing and/or new genome integrity tools to meet the needs of epidemiological studies. For the purpose of this FOA, genome integrity refers to DNA repair, genome instability, and mutagenesis linked to exposures and variations in DNA repair capacity. Applicants to this announcement must propose human studies or clinical research (performing research on human tissue) that utilizes established or prototypic assays of genome integrity. Multiple PD/PI projects are encouraged to promote a multidisciplinary or trans-disciplinary approach.	Letter of Intent Due: 9/13/17  Full Proposal Due: 10/13/17	Up to \$400,000 for up to 5 years	Unrestricted	<a href="https://grants.nih.gov/grants/guide/rfa-files/RFA-ES-17-006.html">https://grants.nih.gov/grants/guide/rfa-files/RFA-ES-17-006.html</a>

			<b>HEALTH IT</b>				
6.	Market Transparency Project for Health IT Interoperability Services (ONC)	NAP-AX-17-002	The purpose of this cooperative agreement is to improve transparency in the current market by funding the development of an independent, open, online resource whose design features and functionality is to be guided by market research to be performed by the recipient on costs frequently associated with health IT interoperability services. The online resource should focus distinctly on ambulatory health care providers as its target audience and make it easy for such stakeholders to voluntarily contribute cost data and other information about their health IT products and services.	Full Proposal Due: 7/31/17	\$250,000 over 2 years	Unrestricted	<a href="https://www.grantsolutions.gov/gs/preaward/previewPublicAnnouncement.do?id=59184">https://www.grantsolutions.gov/gs/preaward/previewPublicAnnouncement.do?id=59184</a>
			<b>HEART, LUNG, AND BLOOD</b>				
7.	The Impact of Micro-environment on Lung Progenitor Cell Function (R01) (NIH)	RFA-HL-18-022	This opportunity invites applications for basic research to clarify the impact of microenvironment, which includes cellular components of the niche, extracellular matrix, and soluble factors, on lung progenitor cell phenotype and function during development, homeostasis, repair and regeneration. Multi-disciplinary teams are encouraged to propose innovative studies to catalyze this understudied area critical to advancing lung stem cell biology. This FOA will also support the development of novel 3-dimensional, multi-component models to interrogate lung stem cell niches.	Letter of Intent Due: 9/4/17  Full Proposal Due: 10/4/17	Up to \$350,000 per year for up to 4 years	Unrestricted	<a href="https://grants.nih.gov/grants/guide/rfa-files/RFA-HL-18-022.html">https://grants.nih.gov/grants/guide/rfa-files/RFA-HL-18-022.html</a>
			<b>INFECTIOUS DISEASE</b>				
8.	R&D of Protective Vaccines and Other Countermeasures Against Infectious Disease Agents of Military Importance (DoD)	N62645-PA-17-1	The intent of this award is to fund an organization that can provide manpower, materiel, and clinical trials for research efforts focusing on the development and evaluation of preventive and therapeutic countermeasures for <i>P. falciparum</i> and <i>P. vivax</i> malaria, bacterial causes of infectious diarrhea, rickettsial pathogens, emerging viral pathogens including dengue, MERS-CoV, Chikungunya, Zika, novel flu viruses and multi-drug resistant bacteria. The award will be issued as a cooperative agreement between the recipient and the Naval Medical Research Center (NMRC).	Full Proposal Due: 7/21/17	Dependent upon proposal  Total Funding: \$25 million	Unrestricted	<a href="https://www.grants.gov/web/grants/view-opportunity.html?oppId=294860">https://www.grants.gov/web/grants/view-opportunity.html?oppId=294860</a>

9.	Partnerships for the Development of Vaccines and Immunoprophylactics Targeting Multiple Antimicrobial-Resistant Bacteria (NIH)	RFA-AI-17-017	To purpose is to support milestone-driven projects focused on discovery, the establishment of proof-of-concept for, and/or preclinical development of, lead candidate vaccines or immunoprophylactics against multiple select Gram-negative nosocomial pathogens: CRE, MDR Acinetobacter and MDR Pseudomonas aeruginosa.	Letter of Intent Due: 9/4/17  Full Proposal Due: 10/4/17	Up to \$750,000 per year for up to 5 years	Unrestricted	<a href="http://grants.nih.gov/grants/guide/rfa-files/RFA-AI-17-017.html">http://grants.nih.gov/grants/guide/rfa-files/RFA-AI-17-017.html</a>
<b>NEURAL SYSTEMS</b>							
10.	Autism Research Program (ARP) (DoD)	W81XWH-17-ARP-CTA	The DoD has released a Funding Opportunity Announcement for research surrounding Autism with 3 funding levels and award mechanisms ranging from the Idea Award to the Clinical Trial and Clinical Translation awards. The ARP program seeks research in a range of areas, from identifying mechanisms to address underlying conditions co-occurring with Autism, development of healthcare provider-focused training or tools to improve healthcare delivery for individuals with ASD, to developing and testing behavioral, cognitive, and other non-pharmacological therapies.	Pre-Proposal Due: 7/26/17  Full Proposal Due: 10/19/17	Up to \$1 million for the Clinical Trial Award  Up to \$500,000 for Idea Development award and Clinical Translation Award	Unrestricted	<a href="http://cdmrp.army.mil/funding/arp">http://cdmrp.army.mil/funding/arp</a>
11.	Cellular and Molecular Biology of Complex Brain Disorders (R01 & R21) (NIH)	PAR-17-309	This opportunity encourages research at the interface between cellular and molecular mechanisms that address gaps in understanding the biological mechanisms behind putative disease associated processes with the goal of accelerating progress in emerging research areas relevant to complex brain disorders. Applications submitted to this FOA should propose studies with an emphasis on exploring neurobiological mechanisms at the molecular, cellular and circuit levels. This FOA does not support applications proposing to use or develop a 'model of' a mental illness or syndrome. Rather, applicants are encouraged to address molecular, cellular, and circuit activity and how they might modify critical functional domains disrupted in mental illness.	Full Proposal Due: 7/31/17	Dependent upon proposal for up to 5 ears	Unrestricted	<a href="https://grants.nih.gov/grants/guide/pa-files/PAR-17-309.html">https://grants.nih.gov/grants/guide/pa-files/PAR-17-309.html</a>

12.	Parkinson's Research Program, Early Investigator (EIRA) and Investigator-Initiated Awards (IIRA) (DoD)	W81XW H-17-PRP-EIRA  W81XWH -17-PRP-IIRA	The PRP Early Investigator Research Award supports Parkinson's disease-focused research opportunities for individuals in the early stages of their careers, under the guidance of a designated Mentor. The PRP Investigator-Initiated Research Award supports highly rigorous, high-impact research projects that have the potential to make an important contribution to Parkinson's disease research and/or patient care. This mechanism supports the full spectrum of research from basic science through clinical research to improve understanding, preventing, diagnosing, or treating Parkinson's disease or enhancing the wellbeing of individuals experiencing the impact of the disease.	Letter of Intent Due: 8/17/17  Full Proposal Due: 8/31/17	Up to \$321,000 over 2 years for the EIRA  Up to \$2.5 million over up to 4 years	Unrestricted	<a href="http://cdmrp.army.mil/funding/prp">http://cdmrp.army.mil/funding/prp</a>
13.	Neurofibromatosis Research Program (NFRP) (DoD)	W81XW H-17-NFRP-(CTA/NIA/IIRA/EHDA)	The Neurofibromatosis program has 4 funding mechanisms and award levels, including the Exploration- Hypothesis Development Award, Investigator-Initiated Research Award, Clinical Trial Award, and New Investigator Award. The opportunity encourages research applications that specifically address one or more of the following areas of emphasis: Health Services Research with evidence-based clinical care pathways, innovative healthcare delivery systems, and utilization of technology and informatics; Heterogeneity of neurofibromas and other NF-related tumors; Nontumor manifestations; and Novel disease and treatment response markers using genomics, epigenetics, systems biology, metabolomics, or similar approaches.	Letter of intent Due: 7/26/17  Full Proposal Due: 8/9/17	Between \$100,000 and \$900,000, depending on award mechanism	Unrestricted	<a href="http://cdmrp.army.mil/funding/nfrp">http://cdmrp.army.mil/funding/nfrp</a>
14.	DoD Spinal Cord Injury Research Program (SCIRP) (DoD)	W81XW H-17-SCIRP-(CTA/CRDA/IIRA/QRA/TRA/	The SCIRP has 5 award mechanism and funding levels, ranging from the Qualitative Research Award to the Clinical Trial Award. The program supports research with the potential to have a major impact on the treatment or management of SCI. Research must address Pre-hospital, prolonged field care, en route care, or early hospital management of SCI; Development, validation, and timing of promising interventions to address consequences of SCI and to improve recovery; or identification and validation of best practices in SCI care throughout the lifetime of the individual.	Pre-Proposal Due: 8/8/17  Full Proposal Due: 11/29/17	Between \$100,000 and \$2 million, depending on award mechanism	Unrestricted	<a href="http://cdmrp.army.mil/funding/scirp">http://cdmrp.army.mil/funding/scirp</a>

15.	Notice of Intent for Human Studies of Target Identification, Biomarkers and Disease Mechanisms Specific to Small Blood and Lymphatic Vessels in the CNS and Retina	NOT-NS-17-031	The NIH Blueprint for Neuroscience Research intends to promote a new initiative by publishing a Funding Opportunity Announcement (FOA) to solicit applications for research to facilitate the development of tools and technology for non-invasive imaging and profiling of human CNS small blood and lymphatic vessels or to investigate using novel approaches in their role in CNS physiology, disease and repair processes, and their responses to therapy.	Expected Publish Date: 10/2017	TBA	Unrestricted	<a href="https://grants.nih.gov/grants/guide/notice-files/NOT-NS-17-031.html">https://grants.nih.gov/grants/guide/notice-files/NOT-NS-17-031.html</a>
			<b>REGENERATIVE MEDICINE</b>				
16.	Military Burn Research Program (DoD)	W81XWH-17-MBRP-CTA	The objective of this program is to explore innovative approaches to new treatments for the Service members who sustain burn injuries. The results of the research funded through the MBRP Clinical Trial Award are expected to increase the body of knowledge and materiel products available to professionals and practitioners in health, medical science, and related fields. The research impact is expected to benefit both civilian and military communities and fall into one of two research levels; Research Level 1 will support early-stage clinical trials (i.e., proof-of-concept, pilot, first-in-human, or Phase 0) and Research Level 2 will support Phase I and/or Phase IIa multi-center clinical trials that assess the clinical efficacy and/or safety of different treatment modalities.	Pre-Proposal Due: 8/3/17  Full Proposal Due: 10/19/17	Up to \$1.75 million for Research Level 1 and \$3.5 million for Research Level 2	Unrestricted	<a href="http://cdmrp.army.mil/funding/mbrp">http://cdmrp.army.mil/funding/mbrp</a>

<b>SBIR/STTR</b>							
17.	NeuroNEXT Small Business Innovation in Clinical Trials (U44) (NIH)	PAR-17-300	This opportunity encourages small business applications for Fast Track, Phase II, and Phase IIB exploratory clinical trials of investigational agents (drugs, biologics, surgical therapies or devices) that may contribute to the justification for and provide the data required for designing clinical studies. Diseases eligible for study include: stroke, multiple sclerosis, CNS and PNS tumors, neuro-AIDS, prion diseases, CNS infections, and other neurological diseases.	Letter of Intent Due: 8/5/17  Full Proposal Due: 9/5/17	Up to \$150,000 per year for up to 2 years for Phase I  Up to \$1 million per year for up to 3 years for Phase II	Small Businesses	<a href="https://grants.nih.gov/grants/guide/pa-files/PA-17-300.html">https://grants.nih.gov/grants/guide/pa-files/PA-17-300.html</a>
18.	Omnibus Solicitation of the NIH, CDC, and FDA for Small Business Innovation Research Grant Applications	PA-17-302	This Funding Opportunity Announcement (FOA) issued by the National Institutes of Health (NIH), Centers for Disease Control and Prevention (CDC), and the Food and Drug Administration (FDA) invites eligible United States small business concerns (SBCs) to submit Small Business Innovation Research (SBIR) Phase I, Phase II, Fast-Track (NIH only), and Phase IIB Competing Renewal (NIH only) grant applications on a broad-range of topics in this catch-all SBIR.	Full Proposal Due: 9/5/17	Up to \$150,000 per year for up to 2 years for Phase I  Up to \$1 million per year for up to 3 years for Phase II	Small Businesses	<a href="https://grants.nih.gov/grants/guide/pa-files/PA-17-302.html">https://grants.nih.gov/grants/guide/pa-files/PA-17-302.html</a>
<b>SUBSTANCE ABUSE</b>							
19.	Alcohol and Substance Abuse Disorders Research Program— Consortium Award (DoD)	W81XW H-17-ASADRP -CA	This award will support the establishment of a Consortium whose purpose is to identify promising compounds for translation from basic science knowledge to enhanced clinical pharmacological treatment protocols for ASUD. A single organization must apply to this Program Announcement as a Management Core through a single application and may also serve as a future research and/or trial site. The Consortium shall consist of one central Management Core that will be responsible for the planning, prioritizing, and soliciting of proposals, and providing oversight and coordination for future proof-of-principle basic research projects and proof-of-principle human clinical trials to be supported by the Consortium.	Pre-Proposal Due: 9/13/17  Full Proposal Due: 9/27/17	Up to \$10.5 million to fund one award, depending on available funds	Unrestricted	<a href="http://cdmrp.army.mil/funding/pa/FY17-ASADRP-CA.pdf">http://cdmrp.army.mil/funding/pa/FY17-ASADRP-CA.pdf</a>



20.	Discovering Novel Targets: The Molecular Genetics of Drug Addiction and Related Co-Morbidities (NIH)	PA-17-120	This FOA encourages applications for research projects that identify, validate and/or functionally characterize loci, genetic variations and haplotypes that are associated with vulnerability to addiction and that potentially inform the likelihood of responsiveness to treatment; that propose to examine intermediate phenotypes or endophenotypes to assess the molecular genetics of drug addiction, addiction vulnerability and/or their associated co-morbidities and how they are related to drug addiction; genetic as well as computational and large-scale genomic approaches.	Full Proposal Due: 10/5/17  Open until 2020	Dependent Upon Proposal	Unrestricted	<a href="http://grants.nih.gov/grants/guide/pa-files/PA-17-120.html">http://grants.nih.gov/grants/guide/pa-files/PA-17-120.html</a>
21.	Neuroscience Research on Drug Abuse (NIH)	PA-17-111	The overarching goals are to understand the neurobiological mechanisms underlying substance use disorders, with special emphasis on identifying changes and neuroadaptations that occur during dependence, withdrawal, and relapse to chronic substance use. An understanding of the basic mechanisms underlying substance use disorders can help to identify targets for prevention and treatment interventions. Research utilizing basic, translational, or clinical approaches is appropriate.	Full Proposal Due: 10/5/17  Open Until: 1/2020	Dependent Upon Proposal	Unrestricted	<a href="https://grants.nih.gov/grants/guide/pa-files/PA-17-111.html#_Section_I_Funding">https://grants.nih.gov/grants/guide/pa-files/PA-17-111.html#_Section_I_Funding</a>
			<b>OTHER</b>				
22.	Exploratory Clinical Trials of Mind and Body Interventions for NCCAM High Priority Research Topics (NIH)	PAR-14-182	The goal of this funding opportunity is to support early phase clinical trials of mind and body approaches for symptom management, particularly for chronic pain syndromes; reduction of prescription drug (opioid) use or abuse; medication adherence; post-traumatic stress; traumatic brain injury; sleep disorders or disturbances; anxiety; depression; promotion of psychological resilience; weight loss and weight loss maintenance; smoking cessation; and promotion of healthy eating and physical activity. This funding opportunity is intended to support exploratory clinical trials. This FOA is not appropriate for support of randomized clinical trials to test or determine efficacy or effectiveness.	Full Proposal Due: 10/18/17	Up to \$100,000 per year for up to 3 years	Unrestricted	<a href="https://grants.nih.gov/grants/guide/pa-files/PA-14-182.html">https://grants.nih.gov/grants/guide/pa-files/PA-14-182.html</a>



23.	Joint DMS/NIGMS Initiative to Support Research at the Interface of the Biological and Mathematical Science (STEM)	17-569	The Division of Mathematical Sciences (DMS) in the Directorate for Mathematical and Physical Sciences (MPS) at the NSF and the National Institute of General Medical Sciences (NIGMS) at the NIH plan to support research in mathematics and statistics on questions in the biological and biomedical sciences. Both agencies recognize the need for promoting research at the interface between the mathematical sciences and the life sciences. Successful proposals will either involve the formulation of new mathematical, computational, or statistical models and tools whose analysis poses significant mathematical challenges or identify innovative mathematics or statistics needed to solve an important biological problem.	Full Proposal Due: 09/18/17	Up to \$5 million per year for up to 5 years	Unrestricted	<a href="https://www.grants.gov/web/grants/view-opportunity.html?oppId=294827">https://www.grants.gov/web/grants/view-opportunity.html?oppId=294827</a>
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