

| FullName | VAMC | Title | Focus | Total FY 2015 | Start Date | End Date |
|---|-------------------|---|--|---------------------|------------|----------|
| Clinical Trials | | | | \$ 2,845,929 | | |
| Cook, Dane B. (Ph.D.) | Madison, WI | Impact of Exercise Training on Pain and Brain Function in Gulf War Veterans | Treatment of pain in GW veterans with resistance exercise training | \$ 329,743 | 07/01/11 | 06/30/16 |
| Ashford, J. Wesson (M.D., Ph.D.) | Palo Alto, CA | rTMS for the Treatment of Chronic Pain in GW1 Veterans | Treatment of chronic pain in GW Veterans using repetitive transcranial magnetic stimulation | \$ 309,100 | 10/01/12 | 09/30/16 |
| Naeser, Margaret (Ph.D.) | Boston, MA | Transcranial, Light-Emitting Diode (LED) Therapy to Improve Cognition in GWWI | Treatment for cognitive difficulties in GW Veterans using light therapy | \$ 785,867 | 04/01/13 | 03/31/17 |
| Marx, Christine (Ph.D.) | Durham, NC | Complementary Neurosteroid Intervention in Gulf War Veterans' Illnesses | Treatment for neurological problems and pain, fatigue, and cognitive difficulties in ill GW Veterans | \$ 421,204 | 04/01/14 | 03/31/18 |
| Reinhard, Matthew (Ph.D.) | Washington, DC | CAM in Veterans with Gulf War Illnesses | Treatment for GW Veterans using complementary and alternative medicine | \$ 222,332 | 07/01/14 | 06/30/18 |
| McAndrew, Lisa (Ph.D.) | East Orange, NJ | Cognitive Rehabilitation for Gulf War Illness | Treatment for cognitive difficulties in GW Veterans using problem solving therapy | \$ 392,929 | 05/01/14 | 04/30/19 |
| Davidson, Dena (Ph.D.) | East Orange, NJ | RCT of Duloxetine & Pregabalin for the treatment of Gulf War Illness in Veterans | Drug treatment for pain in GW Veterans | \$ 384,754 | 07/01/15 | 06/30/19 |
| Biomarkers | | | | \$ 3,617,082 | | |
| Provenzale, Dawn (M.D.) | Durham, NC | Gulf War Era Cohort and Biorepository (CSP 585) | Gulf War era repository of blood specimens | \$ 2,080,684 | 04/01/10 | 09/30/15 |
| Kowall, Neil (M.D.) Christopher Brady (Ph.D.) | Boston, MA | VA Gulf War Veterans' Illnesses Biorepository (CSP 501B) | Gulf War Tissue Bank | \$ 207,333 | 10/01/10 | 09/30/18 |
| Falvo, Michael (Ph.D.) | East Orange, NJ | Diagnostic Utility of mtDNA Content and Exercise Challenge in Veterans with GWI | Diagnosis of multisymptom illness in GW Veterans using mitochondrial DNA | \$ 47,269 | 04/01/13 | 03/31/15 |
| Wylie, Glenn (Ph.D.) | East Orange, NJ | Examination of Cognitive Fatigue in Gulf War Illness Using fMRI | Use of fMRI and DTI to monitor cognitive failure in ill GW Veterans | \$ 263,866 | 10/01/13 | 09/30/16 |
| Weiner, Michael (M.D.) Chao, Linda (Ph.D.) | San Francisco, CA | Longitudinal assessment of Gulf War veterans with suspected Sarin exposure | Study of brain changes by MRI and cognitive difficulties in GW Veterans | \$ 455,994 | 10/01/13 | 12/31/17 |
| Peskind, Elaine (M.D.) | Seattle, WA | Multimodal Biological Assessment of Gulf War Illness | Development of biomarkers in GW Veterans using neuroimaging, genetics, and neuroendocrinology. | \$ 561,936 | 01/01/14 | 12/31/17 |
| Gulf War Veterans Illnesses | | | | \$ 1,038,632 | | |
| Reda, Domenic (Ph.D.) | Hines, IL | National Health Survey of Persian Gulf Veterans and their Families (CSP 458) | Cross-sectional study of the health of GW Veterans and their families | \$ 173,622 | 10/01/15 | 09/30/16 |
| Verne, G. Nicholas (M.D.) Zhou, QiQi (M.D., Ph.D.) | Cincinnati, OH | Somatic Hypersensitivity in Veterans with IBS | Evaluation of altered central pain processing in IBS | \$ 162,402 | 04/01/12 | 03/31/16 |
| Kinlay, Scott (M.D.) | Boston, MA | Vascular and Skeletal Muscle Function in Gulf War Veterans Illness | Mechanism of muscle fatigue after Gulf War exposures | \$ 168,148 | 04/01/13 | 03/31/16 |
| Klimas, Nancy (M.D.) | Miami, FL | Women vs. Men with GWI: Differences in Computational Models and Therapeutic Targets | Investigation of gender differences related to Gulf War Veterans' symptoms and possible treatments | \$ 534,460 | 07/01/14 | 06/30/18 |

* Includes 12.4% administrative overhead*

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| Model Systems of GW Exposures/Illnesses | | | | \$ 3,120,193 | | |
| Greenwood, Beverley (Ph.D., FACG)** | Oklahoma City, OK | Central Mechanisms Modulating Visceral Sensitivity | Central nervous system control of gastrointestinal pain (IBS) | \$ 168,600 | 10/01/08 | 03/31/17 |
| Vandenbark, Arthur A. (Ph.D.)** | Portland, OR | Immunoregulation of Myelin Specific T Lymphocytes | New treatment for MS | \$ 168,600 | 01/01/09 | 12/31/16 |
| Singh, Inderjit (Ph.D.) | Charleston, SC | Neuroprotection and Myelin Repair Mechanisms in Multiple Sclerosis | New treatment for MS | \$ 50,165 | 10/01/10 | 09/30/14 |
| Shiromani, Priyattam (Ph.D.)** | Charleston, SC | Sleep Neurobiology and Circuitry | Control of sleep | \$ 202,320 | 10/01/10 | 09/30/18 |
| Chase, Michael H. (Ph.D.) | West Los Angeles, CA | Prevention of Hippocampal Neurodegeneration due to Age and Apnea | New treatment for neurodegenerative effects of sleep apnea | \$ 143,872 | 01/01/11 | 12/31/14 |
| Kowall, Neil (M.D.) | Boston, MA | Epigenetic Mechanisms Relevant to the Pathogenesis of ALS | Genetic mechanisms underlying ALS | \$ 42,150 | 01/01/11 | 12/31/14 |
| Schlosser, Rodney J. (M.D.) | Charleston, SC | Nanoparticle Coupled Antioxidants for Respiratory Illness in Veterans | Sand derived respiratory illness | \$ 84,300 | 04/01/11 | 03/31/15 |
| Greenwood, Beverley (Ph.D., FACG)** | Oklahoma City, OK | Understanding Pain of Gastrointestinal Origin in Women that Serve in OEF/OIF | Central nervous system control of gastrointestinal pain (IBS) | \$ 129,260 | 04/01/11 | 03/31/15 |
| Shetty, Ashok (Ph.D.)** | Temple, TX | Memory and Mood Enhancing Therapies for Gulf War Illness | Development of new drug therapy for ill Gulf War Veterans | \$ 281,000 | 09/30/11 | 12/31/15 |
| Crawford, Fiona (Ph.D.) | Tampa, FL | Identification of Plasma Biomarkers of Gulf War Illness Using "omic" Technology | Method for developing biomarkers for chronic multisymptom illness in GW Veterans | \$ 569,235 | 01/01/14 | 12/31/17 |
| Hansen, Deborah A. (Ph.D.) | St. Louis, MO | Gulf War Exposures and the Molecular Mechanisms of Paternal Reproductive Risk | Effects of environmental exposures on male reproductive function | \$ 373,865 | 01/01/14 | 12/31/17 |
| Dedeoglu, Alpaslan (M.D., Ph.D.) | Boston, MA | Novel neurotrophic therapies in an optimized mouse model of GWVI | Restoring normal function to parts of the brain affected by neurotoxins | \$ 602,157 | 07/01/14 | 06/30/18 |
| Huang, Ting-Ting (Ph.D.) | Palo Alto, CA | Neuroinflammation, Oxidative Stress, and Hippocampal Defects in Gulf War Illness | Antioxidant treatment of mice exposed to neurotoxins | \$ 168,600 | 07/01/14 | 06/30/17 |
| Reagan, Lawrence (Ph.D.) | Columbia, SC | Immune Basis for Hippocampal Cholinergic Deficits in Pyridostigmine-treated Rats | Testing whether neurocognitive deficits are related to altered immune function | \$ 136,069 | 07/01/15 | 06/30/19 |
| | | | | \$ 10,621,836 | | |
| | | | | Total Distributed by ORD in FY 2015 | | |