



Department of Veterans Affairs  
Office of the Secretary

August 12, 2010

The Honorable Brad Miller  
Chairman  
Subcommittee on Investigations and Oversight  
Committee on Science and Technology  
U.S. House of Representatives  
Washington, DC 20515


Dear Mr. Chairman:

This is in response to your cosigned letter regarding post-traumatic stress disorder and traumatic brain injury (TBI) treatment and research in the Department of Veterans Affairs (VA). Secretary Shinseki has asked that I reply on his behalf.

Enclosed is a fact sheet which provides the requested information about funding for the Brain Imaging and Recovery Laboratory at the Central Texas Veterans Health Care System. In addition, the fact sheet provides a description of all other VA research being conducted on these serious injuries. Also enclosed is a spreadsheet of all current studies and funding of TBI-related studies for the last 3 years.

I hope this information is helpful to you. Thank you for your continued support of our mission. A similar response has been sent to Senator Burr.

Sincerely,

  
John R. Gingrich  
Chief of Staff

Enclosures



Department of Veterans Affairs  
Office of the Secretary

August 12, 2010

The Honorable Richard Burr  
Ranking Member  
Committee on Veterans' Affairs  
United States Senate  
Washington, DC 20510

Dear Senator Burr:

This is in response to your cosigned letter regarding post-traumatic stress disorder and traumatic brain injury (TBI) treatment and research in the Department of Veterans Affairs (VA). Secretary Shinseki has asked that I reply on his behalf.

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I hope this information is helpful to you. Thank you for your continued support of our mission. A similar response has been sent to Chairman Miller.

Sincerely,

A handwritten signature in cursive script, reading "John R. Gingrich", is positioned above the typed name.

John R. Gingrich  
Chief of Staff

Enclosures

## Department of Veterans Affairs (VA)

### Fact Sheet

#### **Information about VA funding for the Brain Injury and Recovery Laboratory (BIRL) at the Central Texas Veterans Health Care System (CTVHCS), and about all other VA Research being conducted on Traumatic Brain Injury (TBI)**

##### 1. VA funding for the BIRL at CTVHCS.

The BIRL Research Program functioned under a cooperative technology administrative agreement with the University of Texas at Austin and Veterans Integrated Service Network 17 since August 2003 using \$6.3 million of appropriated funds. Since 2003, approximately \$3.4 million has been expended for lease payments, operation expenses, staff salaries and the relocation of the BIRL activity to the CTVHCS's Waco campus. The program has been realigned under the Center of Excellence for Research on Returning War Veterans as of July 2009. The Acting Network Director has agreed that \$450,000 of the remaining \$2.9 million will be expended over the next 2 years to cover the cost to establish new protocols within the Center of Excellence (CoE). Any remaining funds will be used to support health care operations and appropriate research activities within the CTVHCS.

The Neuro-Imaging Core in the CoE for Research on Returning War Veterans had a productive year since the consolidation of neuro-imaging resources in August 2009. Four new grant applications were submitted for funding consideration in fiscal year 2010. Five grants to neuro-imaging investigators support projects of direct relevance to Veterans who suffer long-term consequences of combat exposure. These five projects are funded through 2014. A total of 75 Veterans have undergone neuro-imaging as part of the approved protocols at CoE. An additional 136 Veterans have been screened for post-concussive symptoms. Four conference presentations from CoE data have been presented, five papers have been published, and one paper is under review at Biological Psychiatry. Data from CoE demonstrate that Operation Enduring Freedom and Operation Iraqi Freedom (OEF/OIF) Veterans with post-concussive symptoms have worse sleep disorder, higher levels of depression, anxiety, stress, and more distress about post-traumatic stress disorder (PTSD) symptoms than Veterans without post-concussion symptoms. Although data from the neuro-imaging core are still under analysis, the CoE team of clinical scientists is making progress towards improved understanding of the functional aspects of TBI and PTSD.

Although core faculty for CoE are housed primarily at the CTVHCS 's Waco VA Medical Center campus, the Network is fortunate to have active clinical research programs at both the South Texas Veterans Health Care System, San Antonio, and the VA North Texas Health Care System, Dallas. In South Texas, two investigators have separate studies. The first is examining the relationships between TBI and other mental health conditions. The second study, currently under review, will examine functional outcomes

in medicated Veterans. In North Texas, the role of TBI is assessed across three treatment studies of PTSD in OEF/OIF Veterans. Collaborations across health care systems, under the integrated direction of the Network, increase the efficiency and effectiveness of these programs to meet our overarching goal of improving Veterans' health care. Given the wide scope of research projects across the Network, we are confident that the Network is aggressively exploring scientific solutions to the problems of TBI and PTSD in returning war Veterans.

## 2. All other VA Research being conducted on TBI.

Veterans wounded in OEF/OIF are surviving in greater numbers than previous conflicts due to advances in body armor, battlefield medicine, and medical evacuation transport. As a result, more Veterans are living with disabling injuries, including the often lifelong effects of TBI. To ensure Veterans are getting the best care, VA invested approximately \$21 million on roughly 90 research projects and scientists to study TBI in 2009 alone. VA is at the forefront of improving functional recovery and the quality of life for returning Veterans with TBI in many areas. Some examples include:

- Neuro-Imaging -- VA supports a wide range of imaging research technologies such as magnetic resonance imaging (MRI) and diffusion tensor imaging (DTI). The goals of this research are to: (1) better "map" the brain changes associated with long-term TBI; (2) develop effective evidence-based rehabilitation strategies to improve the quality of life of our Veterans with TBI; (3) define the nature of blast-related TBI; and (4) track actual improvements in brain function associated with the intervention.
- Simulations -- New VA research suggests that modern driving simulators may be useful in cognitive rehabilitation because they can track responses to realistic scenarios that approximate driving activities that are so important to independent functioning. Driving simulators and other virtual reality technologies are being applied to develop therapies to improve not only cognitive function, but also frequent comorbid psychological health issues, such as PTSD and substance abuse.

In planning for the future, VA supports a career development program for early stage investigators that will further develop its portfolio in the rehabilitation of Veterans who suffer from TBI. Young VA scientists are being mentored in such groundbreaking areas, including new imaging diagnostic techniques for TBI, the relationship of TBI with PTSD, and clinical strategies to enhance neurological assessment and recovery of function. With further research on TBI, advancements will provide hope and treatments to improve the lives of Veterans.

Veterans Health Administration  
August 2010

A	B	C	D	E	F	G
Project Title	Inv Name	Project Status	Project Start Date	Project End Date	Budgeted	Med Center Name
1 Hypopituitarism from Traumatic Brain Injury Inhibits Rehabilitation	Hoffman, Andrew R.	Active	9/1/2007	8/31/2010	\$234,067	Palo Alto, CA
2 Gait, Balance and Attention Demands in Traumatic Brain Injury	Curtiss, Glenn	Active	10/1/2007	9/30/2010	\$142,575	Tampa, FL
3 Neural Plasticity in Neurorehabilitation of Traumatic Brain Injury	Pape, Theresa L.	Active	10/1/2007	9/30/2010	\$117,294	Hines, IL
4 Can Neural Adaptation After Severe Brain Injury be Facilitated	Pape, Theresa L.	Active	7/1/2007	12/31/2010	\$269,542	Hines, IL
5 Using Stimulator to Enhance Cognitive Recovery after Brain Injury	Lew, Henry L.	Active	10/1/2007	3/31/2011	\$234,500	Boston, MA
6 Quantitative Automated Lesion Detection of Traumatic Brain Injury	Woods, David L.	Active	5/1/2009	4/30/2012	\$199,600	Sacramento, CA
7 Eye Movement Recordings in the Diagnosis and Treatment of Mild Traumatic Brain Injury	Jacobs, Jonathon B.	Active	4/1/2009	3/31/2012	\$186,700	Cleveland, OH
8 Diffusion Tensor Imaging of White Matter After Traumatic Brain Injury	FitzGerald, David B.	Active	4/1/2009	3/31/2013	\$227,558	Gainesville, FL
9 Role of SUR 1 in Secondary Hemorrhage Following Traumatic Brain Injury	Simard, J. Marc	Active	1/1/2010	12/31/2013	\$173,250	Baltimore, MD
10 Multimodal Strategies for Improving Recovery from Brain Injury	Swanson, Raymond A.	Active	7/1/2009	6/30/2014	\$450,000	San Francisco, CA
11 Mitochondrial Ceramide in Traumatic Brain Injury	Gudz, Tatyana I.	Active	10/1/2009	9/30/2012	\$248,400	Charleston, SC
12 Neurorecovery Effect of Novel Modified Erythropoietin on Ischemic Brain Injury	Cao, Guodong	Active	8/1/2009	7/31/2012	\$205,000	Pittsburgh, PA
13 Executive Functioning in OEF/OIF Veterans with Traumatic Brain Injury	Baldo, Juliana V.	Active	10/1/2009	9/30/2012	\$212,400	Sacramento, CA
14 Complement and Traumatic Brain Injury	Kindy, Mark S.	Active	5/1/2010	4/30/2013	\$85,625	Charleston, SC
15 Poly-trauma following brain injury: towards a combinatorial therapy	Kreipke, Christian W.	Active	1/1/2010	12/31/2012	\$283,258	Detroit, MI
16 Vagus Nerve Stimulation to Augment Recovery from Traumatic Brain Injury	Samadani, Uzma	Active	1/1/2010	12/31/2011	\$106,625	New York, NY
17 Visual and Ocular Damage in Blast-Induced Traumatic Brain Injury	Cockerham, Glenn C.	Active	10/1/2007	9/30/2011	\$131,700	Palo Alto, CA
18 Vestibular Consequences of Blast-related Mild Traumatic Brain Injury	Akin, Faith W.	Active	1/1/2010	12/31/2013	\$182,639	Mountain Home, TN
19 Measurement and Outcomes Post Severe Brain Injury	Pape, Theresa L.	Active	7/1/2007	12/31/2010	\$399,660	Hines, IL
20 Neural substrates of cognitive control in traumatic brain injury	Matthews, Scott	Active	10/1/2008	9/30/2013	\$257,749	San Diego, CA
21 White matter damage and cognitive impairments in traumatic brain injury	Turken, And. U.	Active	4/1/2008	3/31/2011	\$130,720	Sacramento, CA
22 Neural correlates of PTSD in veterans with blast-related traumatic brain injury	Simmons, Alan N.	Active	4/1/2010	3/31/2013	\$111,133	San Diego, CA

FY 2010 TBI Research

	A	B	C	D	E	F	G
24	Neurobiology of Suicide Risk in Traumatic Brain Injury and Substance Abuse	Yurgelun-Todd, Deborah	Active	10/1/2009	9/30/2013	\$229,197	Salt Lake City, UT
25	The Neuropsychology of Blast-Induced Traumatic Brain Injury	Verfaellie, Mieke	Active	10/1/2008	9/30/2012	\$149,800	Boston, MA
26	Brain Injury by Blast Overpressure: Role of Microglial Activation	Kuhn, Donald M.	Active	1/1/2008	12/31/2011	\$142,000	Detroit, MI
27	Awareness of Deficit after Combat-related Brain Injury	Johnson, Sterling C.	Active	10/1/2007	9/30/2011	\$134,900	Madison, WI
28	Injury-Specific Treatments for Traumatic Brain Injury	Tessler, Alan	Active	4/1/2007	3/31/2011	\$125,000	Philadelphia, PA
29	Reducing Functional Deficits Following Traumatic Brain Injury	Liu, Jialing	Active	10/1/2007	9/30/2011	\$150,000	San Francisco, CA
30	Cerebral arteriole structure/function in diabetic ischemic brain injury	Ergul, Adviyi	Active	1/1/2010	12/31/2013	\$223,320	Augusta, GA
31	p75NTR Ligands for Treatment of Traumatic Brain Injury	Massa, Stephen M.	Active	4/1/2010	3/31/2014	\$124,300	San Francisco, CA
32	Neural and Cognitive Sequelae of Blast-Induced Traumatic Brain Injury	Verfaellie, Mieke	Active	8/1/2010	7/31/2014	\$33,783	Boston, MA
33	Neuroimaging Methods for Diagnosis of Mild Traumatic Brain Injury	Morey, Rajendra A.	Active	8/1/2010	7/31/2014	\$36,716	Durham, NC
34	Neural bases of cognitive rehabilitation for brain injury	D'Esposito, Mark	Active	8/1/2010	7/31/2014	\$46,083	Sacramento, CA
35	Cognitive Assessment of Veterans After Traumatic Brain Injury	Donnelly, Kerry T.	Active	5/1/2008	4/30/2012	\$569,029	Buffalo, NY
36	Understanding and Meeting the Needs of Informal Caregivers to Improve Outcomes for Traumatic Brain Injury Patients with Polytrauma	Griffin, Joan M.	Active	4/1/2008	3/31/2011	\$303,193	Minneapolis, MN
37	Telerehabilitation for OIF/OEF Returnees with Combat-Related Traumatic Brain Injury	Siddharthan, Kris	Active	7/1/2008	6/30/2011	\$140,925	Tampa, FL
38	An fMRI Study of TBI Associated with Blast Injury	Levin, Harvey S.	Completed	7/1/2007	6/30/2010	\$187,500	Houston, TX
39	PC - Based Cognitive Rehabilitation for TBI	Woods, David L.	Active	5/1/2009	4/30/2012	\$218,300	Sacramento, CA
40	Development of a Quality of Life Tool for Deployment Related TBI	Fitzgerald, Shirley G.	Active	3/1/2009	2/28/2012	\$284,400	Tampa, FL
41	Behavioral and Neuroimaging Changes After Cognitive Rehab in TBI and MCI	Hampstead, Benjamin M.	Active	7/1/2008	6/30/2013	\$165,937	Decatur, GA
42	Effects of Locomotor Training on Closed Head TBI-induced Disabilities	Bose, Prodip	Active	10/1/2009	9/30/2013	\$248,763	Gainesville, FL
43	The effect of Goal Management Training on Veterans with Mild TBI	waid-ebbs, Julia	Active	7/1/2009	6/30/2011	\$73,877	Gainesville, FL
44	MRI Markers of mTBI	Simon, Jack	Completed	5/1/2009	4/30/2010	\$39,416	Portland, OR
45	DARPP-32 Mediation of Chronic TBI Pharmacotherapy	Dixon, C. Edward	Active	4/1/2010	3/31/2013	\$125,750	Pittsburgh, PA

FY 2010 TBI Research

	A	B	C	D	E	F	G
46	Translational Research Center for TBI and Stress Disorders	McGlinchey, Regina	Active	7/1/2009	6/30/2014	\$1,000,000	Brockton, MA
47	New generation EPO peptides with enhanced safety for acute TBI	Dowling, Peter	Active	10/1/2009	9/30/2013	\$470,100	East Orange, NJ
48	Biological Inquiry into the Mechanisms and Neuroprotective Strategy for TBI	Chen, Dong Feng	Active	8/1/2009	7/31/2012	\$250,000	Boston, MA
49	Aerobic Exercise in TBI: White Matter Integrity and Cognition	Cox, David	Active	10/1/2009	9/30/2011	\$80,490	Gainesville, FL
50	A Rodent Model of TBI Suffered During Sustained Combat Operations	Riechers, Ronald	Active	10/1/2009	9/30/2011	\$74,604	Cleveland, OH
51	Neurobiological Consequences of Blast Injury in a Rat Model of mTBI	Elder, Gregory A.	Active	10/1/2009	9/30/2012	\$249,254	Bronx, NY
52	Neural Correlates of Cognitive Rehabilitation in TBI/PTSD	Vagnini, Victoria	Active	10/1/2009	9/30/2011	\$101,248	West Haven, CT
53	An fMRI Study of TBI Associated with Blast Injury	Levin, Harvey S.	Active	7/1/2010	6/30/2013	\$45,499	Houston, TX
54	Role of Cyclopentenone prostaglandins in promoting recovery after TBI	Graham, Steven H.	Active	1/1/2010	12/31/2011	\$189,875	Pittsburgh, PA
55	Centralized Tinnitus Management for TBI Patients	Henry, James A.	Completed	7/1/2008	6/30/2010	\$92,765	Portland, OR
56	Evaluation of Approaches to Auditory Rehabilitation for Mild TBI	Saunders, Gabrielle	Active	10/1/2009	9/30/2012	\$250,000	Portland, OR
57	Objective Diagnosis of Mild Blast-induced TBI	Rizzo, Joseph F.	Active	1/1/2010	12/31/2011	\$171,558	Boston, MA
58	TBI & PTSD Comorbidity in OIF/OEF Veterans: Prevalence & Predictors	Carlson, Kathleen F.	Active	2/1/2010	1/31/2015	\$81,026	Minneapolis, MN
59	Rehabilitation Strategies to Reduce Violence and Anger in TBI and PTSD	Beckham, Jean C.	Active	5/1/2009	4/30/2012	\$286,200	Durham, NC
60	Top-Down Executive Control in TBI, PTSD and Combined TBI/PTSD	Cole, Michael	Active	4/1/2010	3/31/2015	\$70,160	Sacramento, CA
61	FELLOWS PROGRAM (Substance Abuse, National Quality Scholars, Psychiatric, TBI, & Schizophrenic)	Estrada, Carlos A.	Active	10/1/2009	9/30/2013	\$15,000	Birmingham, AL
62	Pilot of Acupuncture to Improve Quality of Life in Veterans with TBI and PTSD	Findley, Thomas W.	Active	7/1/2010	6/30/2011	\$49,424	East Orange, NJ
63	Imaging and cognitive correlates of blast TBI in OIF/OEF combat veterans	Mitsis, Effie	Active	10/1/2009	9/30/2012	\$85,301	Bronx, NY
64	To Perform Multidisciplinary Clinical Evaluation and Extensive Neuroimaging related to TBI effects on Veterans	Taber, Katherine	Active	4/9/2010	9/30/2013	\$346,459	Salisbury, NC
65	Diagnosing Combat-related Mild TBI using Magnetoencephalography	Huang, Mingxiang	Active	10/1/2006	9/30/2011	\$150,000	San Diego, CA
66	Mood and Anxiety Disorders due to TBI among OIF/OEF Veterans	Jorge, Ricardo	Active	4/1/2008	3/31/2011	\$249,174	Iowa City, IA

FY 2010 TBI Research

	A	B	C	D	E	F	G
67	Treatment of OEF/OIF Veteran Neuropsychiatric Outcomes Following TBI	Rotondi, Armando J.	Active	8/1/2009	9/30/2010	\$101,700	Pittsburgh, PA
68	TBI epileptogenesis: pathologic hippocampal L-glut synaptic plasticity	Slevin, John T.	Active	8/1/2010	7/31/2014	\$93,105	Lexington, KY
69	Neurotrophic factor mechanisms in treatments in TBI and PTSD	Kaplan, Gary B.	Active	8/1/2010	7/31/2012	\$16,917	Brockton, MA
70	Blast and Blunt Mechanisms for Mild-TBI Induce Differing Outcomes	Pintar, Frank A.	Active	8/1/2010	7/31/2014	\$41,082	Milwaukee, WI
71	Prevention of Hemorrhage and Death After Traumatic Blast Injury (TBI)	Lazic, Tatjana.	Active	8/1/2010	7/31/2014	\$87,735	Iowa City, IA
72	Telehealth Tinnitus Intervention for Patients with TBI	Henry, James A.	Active	8/1/2010	7/31/2014	\$44,188	Portland, OR
73	Treatment Preferences and Barriers in OIF Soldiers with mild TBI and/or PTSD	Kehle, Shannon M.	Active	7/1/2010	6/30/2011	\$36,942	Minneapolis, MN
74	Evaluation of VA's TBI Clinical Reminder and Secondary Level Evaluation	Babcock-Parziale, Judith L.	Active	5/1/2009	12/31/2011	\$802,325	Tucson, AZ
75	TBI Evaluation Instruments and Processes for Clinical Follow-up	Hendricks, Ann	Active	4/1/2009	3/31/2011	\$348,900	Boston, MA
76	Evaluation of TBI Screening Processes and Healthcare Utilization	Smith, Bridget M.	Active	4/1/2009	3/31/2011	\$285,254	Hines, IL
77	TBI Screening Instruments and Processes for Clinical Follow-up	Vanderploeg, Rodney D.	Active	10/1/2009	9/30/2011	\$254,500	Tampa, FL
78	MRI Markers of mTBI	Simon, Jack.	Completed	5/1/2009	4/30/2010	\$39,416	Portland, OR
79	Neurobiological Consequences of Blast Injury in a Rat Model of mTBI	Elder, Gregory A.	Active	10/1/2009	9/30/2012	\$249,254	Bronx, NY
80	Neurorehabilitation: Neurons to Networks Center for Rehabilitation Research	Levin, Harvey S.	Active	7/1/2009	6/30/2014	\$1,120,000	Houston, TX
81	Effects of Locomotor Training on Closed Head TBI-induced Disabilities	Bose, Prodig	Active	10/1/2009	9/30/2013	\$248,763	Gainesville, FL
82	The Cellular Effects of Blast-Induced Neurotrauma	Vandevord, Pamela.	Active	1/1/2008	12/31/2010	\$137,700	Detroit, MI
83	Functional Outcome of Statin Treatment in a Model of Neurotrauma	Chauhan, Neelima B.	Active	8/1/2008	7/31/2011	\$251,500	Chicago, IL
84	Neutrin as an Effector Molecule in Promoting Recovery from Neurotrauma	Fargo, Keith N.	Active	4/1/2009	3/31/2014	\$163,600	Hines, IL
85	Health Care Use and Costs of Veterans with Neurotrauma	Smith, Bridget M.	Active	4/1/2009	3/31/2011	\$262,725	Hines, IL
86	Cholinergic Interventions to Enhance Rehabilitation from Brain Trauma	Scremin, Oscar U.	Active	1/1/2008	12/31/2011	\$150,000	West Los Angeles, CA
87	Conditioning, Microvascular Tone & Rehabilitation Post Brain Trauma	Rossi, Noreen F.	Active	9/1/2008	8/31/2011	\$179,400	Detroit, MI
88	Central Auditory Processing Disorders Associated with Blast Exposure	Leek, Marjorie R.	Active	10/1/2007	12/31/2010	\$174,700	Portland, OR
89	Blast-Related Health Problem Identification and Polytrauma Taxonomy	Scott, Steven G.	Active	1/1/2008	12/31/2010	\$177,300	Tampa, FL



FY 2010 TBI Research

	A	B	C	D	E	F	G
90	Blast Injury effects on White Matter, cognition, and clinical outcome	Delano-Wood, Lisa	Active	10/1/2008	9/30/2011	\$183,427	San Diego, CA
91	Minneapolis Polytrauma and Blast-related Injuries QUERI Center	Sayer, Nina A.	Active	10/1/2005	9/30/2016	\$556,130	Minneapolis, MN
92	Prevention of Hemorrhage and Death After Traumatic Blast Injury (TBI)	Lazic, Tatjana	Active	8/1/2010	7/31/2014	\$87,735	Iowa City, IA
93					total for FY10	\$18,744,619	
94					FY10 Including 12% Admin Overhead	\$21,068,952	

FY 2009 TBI Research

Project Title	Inv Name	Project Status	Project Start Date	Project End Date	Budgeted	Med Center Name
Hypopituitarism from Traumatic Brain Injury Inhibits Rehabilitation	Hoffman, Andrew R.	Active	9/1/2007	8/31/2010	\$220,800	Palo Alto, CA
Gait, Balance and Attention Demands in Traumatic Brain Injury	Curtiss, Glenn	Active	10/1/2007	9/30/2010	\$162,575	Tampa, FL
Neural Plasticity in Neurorehabilitation of Traumatic Brain Injury	Pape, Theresa L.	Active	10/1/2007	9/30/2010	\$113,988	Hines, IL
Can Neural Adaptation After Severe Brain Injury be Facilitated	Pape, Theresa L.	Active	7/1/2007	12/31/2010	\$273,537	Hines, IL
Using Stimulator to Enhance Cognitive Recovery after Brain Injury	Lew, Henry L.	Active	10/1/2007	3/31/2011	\$148,690	Boston, MA
Quantitative Automated Lesion Detection of Traumatic Brain Injury	Woods, David L.	Active	5/1/2009	4/30/2012	\$109,000	Sacramento, CA
Eye Movement Recordings in the Diagnosis and Treatment of Mild Traumatic Brain Injury	Jacobs, Jonathon B.	Active	4/1/2009	3/31/2012	\$101,100	Cleveland, OH
Diffusion Tensor Imaging of White Matter After Traumatic Brain Injury	FitzGerald, David B.	Active	4/1/2009	3/31/2013	\$117,029	Gainesville, FL
Multimodal Strategies for Improving Recovery from Brain Injury	Swanson, Raymond A.	Active	7/1/2009	6/30/2014	\$87,500	San Francisco, CA
Neurorecovery Effect of Novel Modified Erythropoietin on Ischemic Brain Injury	Cao, Guodong	Active	8/1/2009	7/31/2012	\$79,166	Pittsburgh, PA
Visual and Ocular Damage in Blast-Induced Traumatic Brain Injury	Cockerham, Glenn C.	Active	10/1/2007	9/30/2011	\$175,300	Palo Alto, CA
Measurement and Outcomes Post Severe Brain Injury	Pape, Theresa L.	Active	7/1/2007	12/31/2010	\$310,195	Hines, IL
Neural substrates of cognitive control in traumatic brain injury	Matthews, Scott.	Active	10/1/2008	9/30/2013	\$233,732	San Diego, CA
White matter damage and cognitive impairments in traumatic brain injury	Turken, And, U.	Active	4/1/2008	3/31/2011	\$115,228	Sacramento, CA
Attentional Disorders in Patients with Brain Injury	Robertson, Lynn C.	Completed	10/1/2004	9/30/2009	\$149,500	Sacramento, CA
The Neuropsychology of Blast-Induced Traumatic Brain Injury	Verfaellie, Mieke	Active	10/1/2008	9/30/2012	\$160,500	Boston, MA
Brain Injury by Blast Overpressure: Role of Microglial Activation	Kuhn, Donald M.	Active	1/1/2008	12/31/2011	\$142,000	Detroit, MI
Serum Biomarkers of Cervical Spinal Cord and Traumatic Brain Injury	Howland, Dena R.	Completed	4/1/2007	3/31/2009	\$94,933	Gainesville, FL
Awareness of Deficit after Combat-related Brain Injury	Johnson, Sterling C.	Active	10/1/2007	9/30/2011	\$134,900	Madison, WI
Novel Strategies Targeting Gliosis after Traumatic Brain Injury	Nearby, Joseph T.	Completed	4/1/2007	3/31/2009	\$59,600	Miami, FL

FY 2009 TBI Research

Injury-Specific Treatments for Traumatic Brain Injury	Tessler, Alan	Active	4/1/2007	3/31/2011	\$125,000	Philadelphia, PA
Reducing Functional Deficits Following Traumatic Brain Injury	Liu, Jialing	Active	10/1/2007	9/30/2011	\$276,537	San Francisco, CA
Cognitive Assessment of Veterans After Traumatic Brain Injury	Donnelly, Kerry T.	Active	5/1/2008	4/30/2012	\$397,946	Buffalo, NY
Understanding and Meeting the Needs of Informal Caregivers to Improve Outcomes for Traumatic Brain Injury Patients with Polytrauma	Griffin, Joan M.	Active	4/1/2008	3/31/2011	\$319,720	Minneapolis, MN
Telehabilitation for OIF/OEF Returnees with Combat-Related Traumatic Brain Injury	Siddharthan, Kris	Active	7/1/2008	6/30/2011	\$140,925	Tampa, FL
The Cellular Effects of Blast-Induced Neurotrauma	Vandevord, Pamela	Active	1/1/2008	12/31/2010	\$137,700	Detroit, MI
Functional Outcome of Statin Treatment in a Model of Neurotrauma	Chauhan, Neelima B.	Active	8/1/2008	7/31/2011	\$270,000	Chicago, IL
Neutrin as an Effector Molecule in Promoting Recovery from Neurotrauma	Fargo, Keith N.	Active	4/1/2009	3/31/2014	\$91,800	Hines, IL
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An fMRI Study of TBI Associated with Blast Injury	Levin, Harvey S.	Completed	7/1/2007	6/30/2010	\$268,400	Houston, TX
The Cellular Effects of Blast-Induced Neurotrauma	Vandevord, Pamela	Active	1/1/2008	12/31/2010	\$137,700	Detroit, MI
Post Concussional Disorder After Blast Injuries	Mendez, Mario	Completed	7/1/2007	6/30/2010	\$44,250	West Los Angeles, CA
Multi-Discipline Assessment of Blast Victims for Cognitive Rehabilitation	Storzbach, Daniel M.	Completed	9/1/2007	8/31/2009	\$183,058	Portland, OR
Visual and Ocular Damage in Blast-Induced Traumatic Brain Injury	Cockerham, Glenn C.	Active	10/1/2007	9/30/2011	\$175,300	Palo Alto, CA
Central Auditory Processing Disorders Associated with Blast Exposure	Leek, Marjorie R.	Active	10/1/2007	12/31/2010	\$191,200	Portland, OR
Blast-Related Health Problem Identification and Polytrauma Taxonomy	Scott, Steven G.	Active	1/1/2008	12/31/2010	\$329,400	Tampa, FL
Blast Injury effects on White Matter, cognition, and clinical outcome	Delano-Wood, Lisa	Active	10/1/2008	9/30/2011	\$158,016	San Diego, CA

FY 2009 TBI Research

Polytrauma/Blast-Related Injury Summit Co-Sponsorship	Kerns, Robert D.	Completed	7/1/2009	9/30/2009	\$10,000	West Haven, CT
The Neuropsychology of Blast-Induced Traumatic Brain Injury	Verfeillie, Mieke	Active	10/1/2008	9/30/2012	\$160,500	Boston, MA
Brain Injury by Blast Overpressure: Role of Microglial Activation	Kuhn, Donald M.	Active	1/1/2008	12/31/2011	\$142,000	Detroit, MI
Minneapolis Polytrauma and Blast-related Injuries QUERI Center	Sayer, Nina A.	Active	10/1/2005	9/30/2016	\$462,801	Minneapolis, MN
Neurorehabilitation: Neurons to Networks Center for Rehabilitation Research	Levin, Harvey S.	Active	7/1/2009	6/30/2014	\$250,000	Houston, TX
An fMRI Study of TBI Associated with Blast Injury	Levin, Harvey S.	Completed	7/1/2007	6/30/2010	\$268,400	Houston, TX
PC - Based Cognitive Rehabilitation for TBI	Woods, David L.	Active	5/1/2009	4/30/2012	\$110,292	Sacramento, CA
Development of a Quality of Life Tool for Deployment Related TBI	Fitzgerald, Shirley G.	Active	3/1/2009	2/28/2012	\$167,291	Tampa, FL
Behavioral and Neuroimaging Changes After Cognitive Rehab in TBI and MCI	Hampstead, Benjamin M.	Active	7/1/2008	6/30/2013	\$162,625	Decatur, GA
The effect of Goal Management Training on Veterans with Mild TBI	wald-ebbs, Julia	Active	7/1/2009	6/30/2011	\$17,713	Gainesville, FL
MRI Markers of mTBI	Simon, Jack	Completed	5/1/2009	4/30/2010	\$20,833	Portland, OR
Translational Research Center for TBI and Stress Disorders	McGlinchey, Regina	Active	7/1/2009	6/30/2014	\$250,000	Brockton, MA
New generation EPO peptides with enhanced safety for acute TBI	Dowling, Peter	Active	10/1/2009	9/30/2013	\$221,683	East Orange, NJ
Biological Inquiry into the Mechanisms and Neuroprotective Strategy for TBI	Chen, Dong Feng	Active	8/1/2009	7/31/2012	\$41,667	Boston, MA
Centralized Tinnitus Management for TBI Patients	Henry, James A.	Completed	7/1/2008	6/30/2010	\$137,350	Portland, OR
Rehabilitation Strategies to Reduce Violence and Anger in TBI and PTSD	Beckham, Jean C.	Active	5/1/2009	4/30/2012	\$139,791	Durham, NC
Diagnosing Combat-related Mild TBI using Magnetoencephalography	Huang, Mingxiang	Active	10/1/2006	9/30/2011	\$150,000	San Diego, CA
Mood and Anxiety Disorders due to TBI among OIF/OEF Veterans	Jorge, Ricardo	Active	4/1/2008	3/31/2011	\$269,174	Iowa City, IA
Treatment of OEF/OIF Veteran Neuropsychiatric Outcomes Following TBI	Rotondi, Armando J.	Active	8/1/2009	9/30/2010	\$0	Pittsburgh, PA
Mild TBI/PTSD Comorbidity and Post-Deployment Outcomes in National Guard Soldiers	Polusny, Melissa A.	Completed	7/1/2008	12/31/2008	\$23,300	Minneapolis, MN
Evaluation of VA's TBI Clinical Reminder and Secondary Level Evaluation	Babcock-Parziale, Judith	Active	5/1/2009	12/31/2011	\$147,141	Tucson, AZ

FY 2009 TBI Research

TBI Evaluation Instruments and Processes for Clinical Follow-up	Hendricks, Ann	Active	4/1/2009	3/31/2011	\$140,750	Boston, MA
Evaluation of TBI Screening Processes and Healthcare Utilization	Smith, Bridget M.	Active	4/1/2009	3/31/2011	\$100,550	Hines, IL
Post Concussional Disorder After Blast Injuries	Mendez, Mario	Completed	7/1/2007	6/30/2010	\$44,250	West Los Angeles, CA

FY09 \$10,147,036  
 FY09 Including 12% Admin Overhead \$11,405,268

FY 2008 TBI Research

Project Title	Inv Name	Project Status	Project Start Date	Project End Date	Budgeted	Med Center Name
Post Concussional Disorder After Blast Injuries	Mendez, Mario	Completed	7/1/2007	6/30/2010	\$128,760	West Los Angeles, CA
An fMRI Study of TBI Associated with Blast Injury	Levin, Harvey S.	Completed	7/1/2007	6/30/2010	\$340,890	Houston, TX
Behavioral and Neuroimaging Changes After Cognitive Rehab in TBI and MCI	Hampstead, Benjamin M.	Active	7/1/2008	6/30/2013	\$37,329	Decatur, GA
Centralized Tinnitus Management for TBI Patients	Henry, James A.	Completed	7/1/2008	6/30/2010	\$36,015	Portland, OR
Diagnosing Combat-related Mild TBI using Magnetoencephalography	Huang, Mingxiang	Active	10/1/2006	9/30/2011	\$150,000	San Diego, CA
Mood and Anxiety Disorders due to TBI among OIF/OEF Veterans	Jorge, Ricardo	Active	4/1/2008	3/31/2011	\$124,562	Iowa City, IA
Modifications To Insomnia Treatments for OIF/OEF Veterans with TBI	Epstein, Dana R.	Completed	8/1/2007	2/28/2008	\$19,537	Phoenix, AZ
Transition from TBI Screen to Full Assessment: Barriers & Facilitators	Lange, Gudrun	Completed	6/10/2008	4/30/2009	\$48,428	East Orange, NJ
Mild TBI/PTSD Comorbidity and Post-Deployment Outcomes in National Guard Soldiers	Polusny, Melissa A.	Completed	7/1/2008	12/31/2008	\$51,700	Minneapolis, MN
Using Text Mining to Differentiate Between PTSD and Mild TBI in OEF/OEF Veterans	Luther, Stephen	Completed	5/1/2008	9/30/2008	\$122,400	Tampa, FL
Validation of Brief Objective Neurobehavioral Detectors of Mild TBI	Chapman, Julie C.	Completed	4/1/2008	6/30/2009	\$138,800	Washington, DC
Prototype of Web-Based Treatment of Mild TBI Symptoms in OEF/OIF	Nelson, Audrey L.	Completed	5/1/2008	9/30/2008	\$39,700	Tampa, FL
Characteristics of the TBI Clinical Reminder Screening Process	Fitzgerald, Shirley G.	Completed	5/1/2008	9/30/2008	\$82,800	Tampa, FL
Hypopituitarism from Traumatic Brain Injury Inhibits Rehabilitation	Hoffman, Andrew R.	Active	9/1/2007	8/31/2010	\$150,800	Palo Alto, CA
Gait, Balance and Attention Demands in Traumatic Brain Injury	Curtiss, Glenn	Active	10/1/2007	9/30/2010	\$149,855	Tampa, FL
Neural Plasticity in Neurorehabilitation of Traumatic Brain Injury	Pape, Theresa L.	Active	10/1/2007	9/30/2010	\$155,800	Hines, IL
Can Neural Adaptation After Severe Brain Injury be Facilitated	Pape, Theresa L.	Active	7/1/2007	12/31/2010	\$255,154	Hines, IL
Using Stimulator to Enhance Cognitive Recovery after Brain Injury	Lew, Henry L.	Active	10/1/2007	3/31/2011	\$284,500	Boston, MA
Visual and Ocular Damage in Blast-Induced Traumatic Brain Injury	Cocketham, Glenn C.	Active	10/1/2007	9/30/2011	\$187,200	Palo Alto, CA

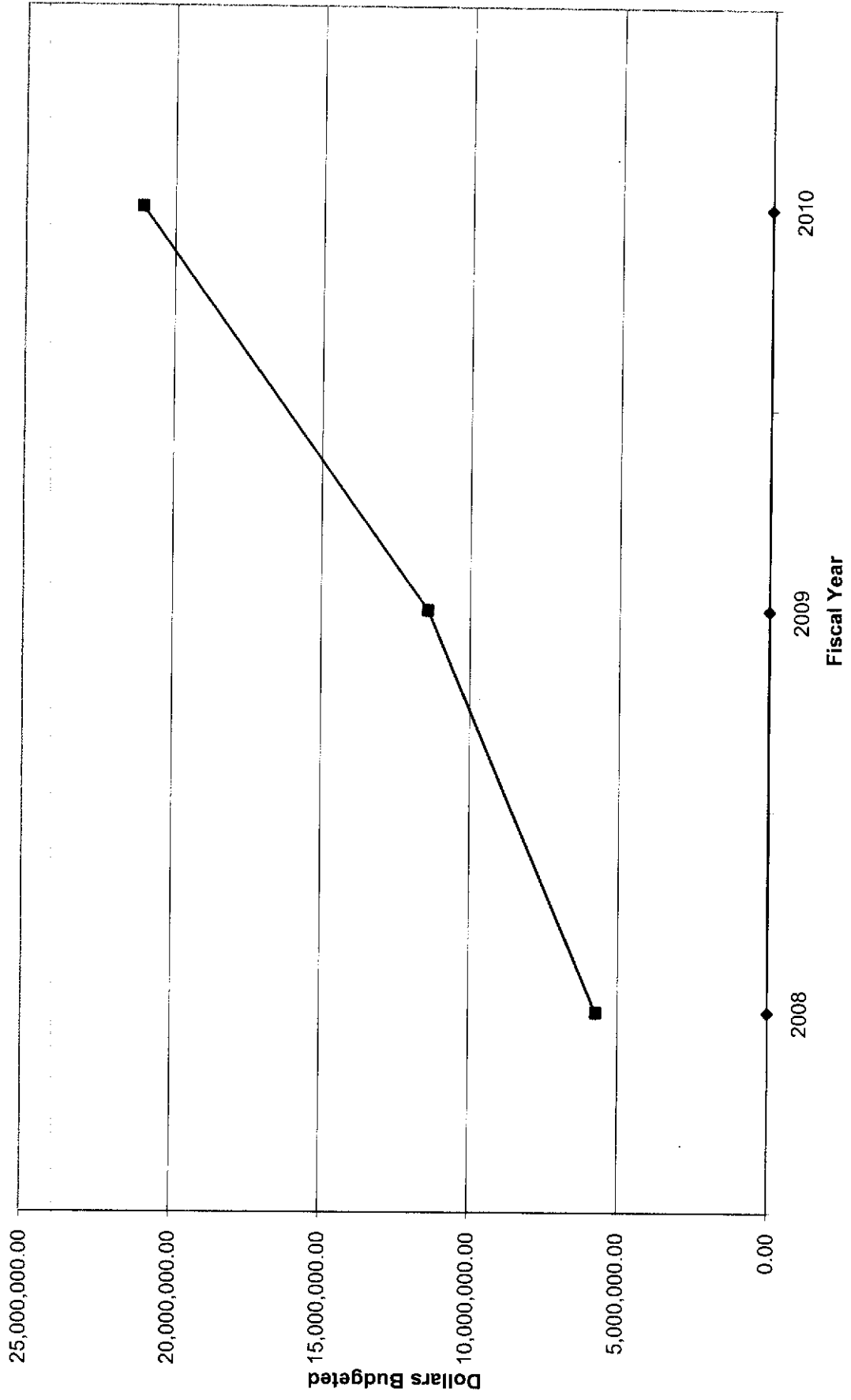
FY 2008 TBI Research

Measurement and Outcomes Post Severe Brain Injury	Pape, Theresa L.	Active	7/1/2007	12/31/2010	\$296,200	Hines, IL
White matter damage and cognitive impairments in traumatic brain injury	Turken, And. U.	Active	4/1/2008	3/31/2011	\$46,756	Sacramento, CA
Attentional Disorders in Patients with Brain Injury	Robertson, Lynn C.	Completed	10/1/2004	9/30/2009	\$147,700	Sacramento, CA
Prevention of Ischemic Brain Injury by Targeting PARG and PARP	Ying, Weihai	Completed	10/1/2004	9/30/2007	\$53,273	San Francisco, CA
ATP Receptors and MAPK Signaling in Traumatic Brain Injury and Gliosis	Neary, Joseph T.	Completed	4/1/2003	3/31/2008	\$188,368	Miami, FL
Brain Injury by Blast Overpressure: Role of Microglial Activation	Kuhn, Donald M.	Active	1/1/2008	12/31/2011	\$110,345	Detroit, MI
Serum Biomarkers of Cervical Spinal Cord and Traumatic Brain Injury	Howland, Dena R.	Completed	4/1/2007	3/31/2009	\$186,000	Gainesville, FL
Restoration of Neurogenesis Following Hypoglycemic Brain Injury	Liu, Jialing.	Completed	10/1/2004	9/30/2007	\$0	San Francisco, CA
Awareness of Deficit after Combat-related Brain Injury	Johnson, Sterling C.	Active	10/1/2007	9/30/2011	\$154,400	Madison, WI
Novel Strategies Targeting Gliosis after Traumatic Brain Injury	Neary, Joseph T.	Completed	4/1/2007	3/31/2009	\$119,200	Miami, FL
Injury-Specific Treatments for Traumatic Brain Injury	Tessier, Alan	Active	4/1/2007	3/31/2011	\$125,000	Philadelphia, PA
Reducing Functional Deficits Following Traumatic Brain Injury	Liu, Jialing.	Active	10/1/2007	9/30/2011	\$295,000	San Francisco, CA
Cognitive Assessment of Veterans After Traumatic Brain Injury	Donnelly, Kerry T.	Active	5/1/2008	4/30/2012	\$204,132	Buffalo, NY
Understanding and Meeting the Needs of Informal Caregivers to Improve Outcomes for Traumatic Brain Injury Patients with Polytrauma	Griffin, Joan M.	Active	4/1/2008	3/31/2011	\$82,700	Minneapolis, MN
Telehabilitation for OIF/OEF Returnees with Combat-Related Traumatic Brain Injury	Siddharthan, Kris	Active	7/1/2008	6/30/2011	\$31,981	Tampa, FL
Evaluation of a Polytrauma Brain Injury Rehabilitation Transitional Program	Scott, Steven G.	Completed	5/1/2008	3/31/2009	\$59,500	Tampa, FL
The Cellular Effects of Blast-Induced Neurotrauma	Vandevord, Pamela.	Active	1/1/2008	12/31/2010	\$146,422	Detroit, MI
Functional Outcome of Statin Treatment in a Model of Neurotrauma	Chauhan, Neelima B.	Active	8/1/2008	7/31/2011	\$41,667	Chicago, IL
Cholinergic Interventions to Enhance Rehabilitation from Brain Trauma	Scremin, Oscar U.	Active	1/1/2008	12/31/2011	\$273,568	West Los Angeles, CA
Conditioning, Microvascular Tone & Rehabilitation Post Brain Trauma	Rossi, Noreen F.	Active	9/1/2008	8/31/2011	\$16,200	Detroit, MI

FY'08 \$5,082,642

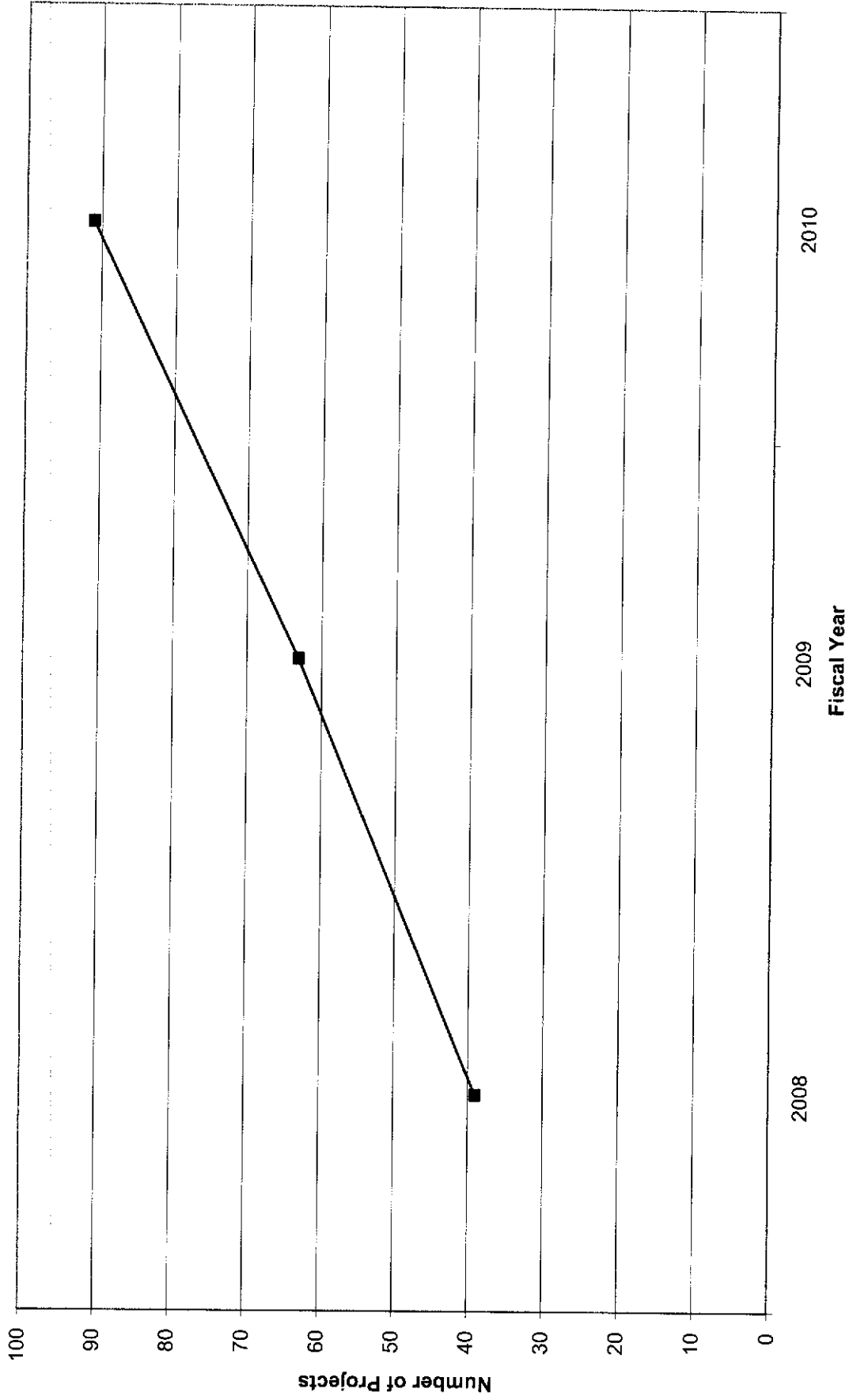
FY'08 Including 12% Admin Overhead \$5,712,890

# Funding Dollars for TBI Research





# Number of Funded TBI Research Projects



Funding totals for three years of TBI funding

Fiscal Year	Dollars	Administrative	
		Overhead	Total
2008	\$5,082,642	12.4%	\$5,712,890
2009	\$10,147,036	12.4%	\$11,405,268
2010	\$18,744,619	12.4%	\$21,068,952

Fiscal Year	Number of Funded Projects per year	
	2008	39
2009	63	
2010	91	