

SOM ARRA Grant Activity  
As of 10-13-2009

<b>Proposals Submitted</b>		Project Costs*
Total # of Proposals		1,166
Total Project Costs		\$852,267,067
	Total Direct Costs	\$616,017,202
	Total Indirects	\$237,149,154

<b>Awards Received</b>		Project Costs*	Year 1 Costs
Total # of Awards		220	
Total Project Costs		\$136,376,559	\$85,646,781
	Total Direct Costs	\$93,194,799	\$58,926,235
	Total Indirects	\$43,181,760	\$26,720,546

**Project Expenditures through September**

Expended Total Costs (DC+IDC)		2,592,575
	Expended DC	1,799,937
	Expended IDC	792,638

Source: PennERA Proposal Tracking Data Warehouse

\*Project Costs reflect the total amounts submitted or awarded for all years (if applicable) of a grant.

SOM ARRA Proposals Submitted and Awards Received by Program/Type (Full Project Duration)  
As of 10-13-2009

ARRA Prop Type		Proposals Submitted	Awards Received
Administrative Supplement	# of Proposals	507	119
	Requested Total Project Costs	\$137,581,859	\$26,331,810
	Requested Direct Costs	\$96,389,500	\$18,271,432
	Requested Indirect Costs	\$41,221,544	\$8,060,378
NIH Pipeline	# of Proposals	64	56
	Requested Total Project Costs	\$46,821,913	\$40,147,875
	Requested Direct Costs	\$32,011,248	\$27,475,544
	Requested Indirect Costs	\$14,810,665	\$12,672,331
Competitive Revision	# of Proposals	54	9
	Requested Total Project Costs	\$29,560,414	\$3,916,307
	Requested Direct Costs	\$20,038,244	\$2,532,959
	Requested Indirect Costs	\$9,670,787	\$1,383,348
Shared Instrumentation	# of Proposals	58	
	Requested Total Project Costs	\$48,698,396	
	Requested Direct Costs	\$48,698,396	
	Requested Indirect Costs	\$0	
Challenge	# of Proposals	315	26
	Requested Total Project Costs	\$261,850,135	\$24,371,136
	Requested Direct Costs	\$173,639,108	\$16,175,656
	Requested Indirect Costs	\$88,582,519	\$8,195,480
GO	# of Proposals	73	7
	Requested Total Project Costs	\$200,028,526	\$38,036,042
	Requested Direct Costs	\$141,797,151	\$26,336,232
	Requested Indirect Costs	\$58,538,260	\$11,699,810
Research Core Centers	# of Proposals	16	2
	Requested Total Project Costs	\$15,368,285	\$2,364,650
	Requested Direct Costs	\$10,540,222	\$1,646,093
	Requested Indirect Costs	\$4,828,065	\$718,557
Construction	# of Proposals	4	
	Requested Total Project Costs	\$54,838,204	
	Requested Direct Costs	\$54,838,204	
	Requested Indirect Costs	\$0	
AHRQ*	# of Proposals	23	
	Requested Total Project Costs	\$32,449,019	
	Requested Direct Costs	\$21,747,801	
	Requested Indirect Costs	\$10,744,222	
Other	# of Proposals	52	1
	Requested Total Project Costs	\$25,070,316	\$1,208,739
	Requested Direct Costs	\$16,317,328	\$756,883
	Requested Indirect Costs	\$8,753,092	\$451,856
Total # of Proposals		1,166	220
Total Requested Total Project Costs		\$852,267,067	\$136,376,559
Total Requested Direct Costs		\$616,017,202	\$93,194,799
Total Requested Indirect Costs		\$237,149,154	\$43,181,760

Source: PennERA Proposal Tracking Data Warehouse

\* 3 AHRQ awards received not ARRA funded

## ARRA Funded Awards as of 10-13-2009

<u>PI</u>	<u>Total Committed</u>	<u>Year 1 costs</u>	<u>Project Title</u>	<u>Sponsor Award ID</u>	<u>Award Type</u>
AHIMA,REXFORD S	\$18,270	\$18,270	CNS action of appetite suppressant aminosterol	3-R01-DK-062348-06S1	Supplement
AMARAVADI,RAVI K	\$311,698	\$311,698	Autophagy Inhibition as Therapeutic Strategy in Glioblastoma Multiforme	3-R21-CA-133898-02S1	Supplement
APTER,ANDREA	\$1,013,230	\$505,555	A Patient Advocate and Literacy-Based Treatment of Asthma	1-RC1-HL-099612-01	Challenge
APTER,ANDREA	\$9,178	\$9,178	Individualized Intervention to Improve Asthma Adherence	3-R01-HL-073932-05S1	Supplement
ARMSTRONG,KATRINA	\$3,990,198	\$1,990,198	Comparative Effectiveness in Genomic Medicine	1-RC2-CA-148310-01	GO
BACHMAN,MICHAEL	\$108,000	\$108,000	The host mucosal response to microbial iron metabolism	3-K08-GM-085612-01A1S1	Supplement
BALCER,LAURA J	\$1,296,171	\$659,467	NOVEL CLINICAL AND OCULAR IMAGING OUTCOMES WITH LONG-TEI	1-R01-EY-019473-01	NIH Pipeline
BALICE-GORDON,RITA J	\$965,438	\$471,246	Synaptic autoimmunity in disorders of memory, behavior, cognition and psy	1-RC1-NS-068204-01	Challenge
BARR,FREDERIC G	\$129,973	\$129,973	COG Studies of Gene Amplification in Rhabdomyosarcoma	3-R01-CA-104896-04S1	Supplement
BARTOLOMEI,MARISA S	\$265,705	\$265,705	SEQUENCES CONTROLLING H19 GENE IMPRINTING	3-R01-GM-051279-16S1	Supplement
BERNHARDT,BARBARA A	\$647,074	\$309,738	Assessing Attitudes and Experiences of Early Adopters of Personalized Ger	1-RC1-HG-005369-01	Challenge
BHANDOOLA,AVINASH	\$1,002,381	\$503,477	Engineering hematopoietic progenitors for efficient migration to the thymus	1-RC1-HL-099758-01	Challenge
BI,ERFEI	\$102,770	\$102,770	Signaling Mechanisms in Cell Polarity in Yeast	3-R01-GM-059216-10A1S1	Supplement
BLAIR,IAN A	\$1,164,381	\$577,837	Biomarkers of toxic response to low nicotine cigarette smoke		NIH Pipeline
BLAIR,IAN A	\$7,875	\$7,875	Exposure and biological response biomarkers of cigarette smoke	3-U01-ES-016004-03S1	Supplement
BRANAS,CHARLES C	\$293,692	\$293,692	Alcohol and injury in adolescents, their families and their neighborhoods	3-R01-AA-016187-02S2	Supplement
BRENNICK,MICHAEL J	\$223,549	\$223,549	Obesity Effects on Pharyngeal Airway Mechanics by MRI	3-R01-HL-077838-03S1	Supplement
BRODKIN,EDWARD S	\$175,927	\$175,927	Neurobiology of sociability in a mouse model system relevant to autism	3-R01-MH-080718-03S1	Supplement
BROWN,ERIC J	\$130,836	\$130,836	The role of ATR in preventing age-related diseases	3-R01-AG-027376-04S1	Supplement
BUSHMAN,FREDERIC D	\$1,954,823	\$1,012,363	BROAD SPECTRUM THERAPEUTICS TARGETING RESOLVASE ENZYM	1-U01-AI-082015-01	NIH Pipeline
CANCRO,MICHAEL P	\$8,209	\$8,209	Transitional B cell selection during peripheral B lymphopenia and reconstitu	3-R01-AI-073939-03S1	Supplement
CAPPOLA,THOMAS P	\$214,295	\$214,295	Genomics of Myocardial Transcription Factors in Cardiac Remodeling	3-R01-HL-088577-02S1	Supplement
CARR,BRENDAN G	\$159,584	\$79,584	A National Analysis of Time Adjusted Outcomes for Pediatric Trauma Care	1-R03-HD-061523-01	NIH Pipeline
CHACKO,SAMUEL K	\$51,433	\$51,433	Bladder Wall Remodeling in LUTS	3-P50-DK-052620-11S1	Supplement
CHACKO,SAMUEL K	\$421,456	\$421,456	Bladder Wall Remodeling in LUTS	3-P50-DK-052620-12S1	Supplement
CHANG,KYONG-MI	\$630,000	\$315,000	CELLULAR IMMUNITY AND THE OUTCOME OF HEPATITIS C VIRUS INI	2-R01-AI-047519-11	NIH Pipeline
CHEN,YOUHAI H	\$787,500	\$393,750	AUTOIMMUNE ENCEPHALOMYELITIS AND C-REL	2-R01-AI-050059-06A2	NIH Pipeline
CHEUNG,VIVIAN G	\$244,377	\$244,377	Genome-Wide analysis of genetics variation and expression	3-R01-GM-081930-09S1	Supplement
CHILDRESS,ANNA R	\$1,213,643	\$566,583	Extinction of limbic activation to "unseen" cocaine cues: GABA B agonism	1-R01-DA-025906-01	NIH Pipeline
CHIRINOS,JULIO A	\$182,814	\$182,814	Inflammatory Response to sleep apnea in obese subjects	3-R01-HL-080076-04S1	Supplement
CHOI,YONGWON	\$2,708,532	\$1,357,618	MOLECULAR AND CELLULAR REGULATION OF TOLERANCE	2-P01-AI-043620-11	NIH Pipeline
CHUNG,DANIEL C	\$112,730	\$112,730	NON-VIRAL MEDICATED GENE TARGETING TO THE RETINA	3-K08-EY-017024-04S1	Supplement
CIVAN,MORTIMER M	\$96,336	\$96,336	AQUEOUS HUMOR OUTFLOW CONTROL AND INTRAOCULAR PRESSU	3-R01-EY-013624-07S1	Supplement
COOKE,NANCY E	\$10,639	\$10,639	Activation of human placental hormonal expression	3-R01-HD-046737-05S1	Supplement
COOKE,NANCY E	\$11,338	\$11,338	LCR activation of the human growth hormone gene	3-R01-HD-025147-19S1	Supplement
COOPER,EDWARD C	\$39,457	\$39,457	Mechanisms of benign neonatal familial convulsions	3-R01-NS-049119-05S1	Supplement
COTSARELIS,GEORGE	\$797,500	\$397,500	BIOLOGICAL FUNCTION OF BASONUCLIN	2-R01-AR-054982-11A2	NIH Pipeline
COTSARELIS,GEORGE	\$252,038	\$252,038	Hair follicle bulge cells in tumorigenesis and alopecia	3-R01-AR-046837-10S1	Supplement
COUKOS,GEORGE	\$84,508	\$84,508	IDENTIFICATION OF OVARIAN CANCER PLASMA BIOMARKERS	24231-03-338; COUKOS	NIH Pipeline
COUKOS,GEORGE	\$99,995	\$99,995	Vascular Leukocytes Induce Treg in Tumors	3-R01-CA-116779-04S1	Supplement
COUTIFARIS,CHRISTOS	\$318,479	\$318,479	Cooperative Multicenter Reproductive Medicine Network	3-U10-HD-027049-18S1	Supplement
COYNE,JAMES C	\$51,912	\$51,912	Detection and treatment of depression in the peripartum	3-R01-MH-081916-01A1S1	Supplement

## ARRA Funded Awards as of 10-13-2009

<u>PI</u>	<u>Total Committed</u>	<u>Year 1 costs</u>	<u>Project Title</u>	<u>Sponsor Award ID</u>	<u>Award Type</u>
DANCIS,ANDREW	\$662,783	\$331,138	MITOCHONDRIAL CYSTEINE DESULFURASE	1-R01-GM-087965-01	NIH Pipeline
DANCIS,ANDREW	\$100,952	\$100,952	Biochemistry and genetics of iron transport in mitochondria and related proc	3-R37-DK-053953-11S1	Supplement
DING, LONG	\$54,000	\$54,000	Neuronal basis of reward-biased visual perception	3-K99-EY-018042-02S1	Supplement
DOMINGUEZ, ROBERTO	\$71,870	\$71,870	Structural Basis of Actin Cytoskeleton Dynamics	3-R01-GM-073791-05S1	Supplement
DRIES, DANIEL L	\$257,336	\$257,336	Genetic Determinants of Hypertensive Heart Disease in CRI	3-R01-HL-091663-02S1	Supplement
DUNAIEF, JOSHUA L	\$103,259	\$103,259	Ferroxidases in RPE iron transport	3-R01-EY-015240-05A1S1	Supplement
ECKMANN, DAVID M	\$907,262	\$449,030	ACTIVATION OF CLOTTING & CELL ADHESION: GAS EMBOLISM	2-R01-HL-067986-05A2	NIH Pipeline
ELLIOTT, DAWN	\$999,996	\$499,998	Image-based modeling of nonlinear and anisotropic intervertebral disc mecf	1-RC1-AR-058450-01	Challenge
EMMETT, EDWARD A	\$11,861	\$11,861	ARRA-Public health Traineeship Program	A0A-HP-16423-01	NIH Pipeline
EPPERSON, CYNTHIA N	\$994,267	\$496,725	Interaction of Estrogen and Serotonin in Modulating Brain Activation in Men	1-R01-AG-030641-01A2	NIH Pipeline
FELDMAN, HAROLD I	\$696,150	\$696,150	Continuation of the Chronic Renal Insufficiency Cohort (CRIC) Study	3-U01-DK-060990-08S1	Supplement
FELDMAN, HAROLD I	\$2,100,000	\$2,100,000	Genome Wide Association of Renal Progression in the CRIC Study	3-U01-DK-060990-09S1	Supplement
FELDMAN, MICHAEL D	\$1,351,876	\$690,391	SOFTWARE TO FACILITATE MULTIMODE, MULTISCALE FUSED DATA	1-R01-CA-136535-01	NIH Pipeline
FERRARI, GIOVANNI	\$999,158	\$499,189	Osteopontin: a Novel Biomarker for Calcific Aortic Valve Diseases	1-RC1-HL-100035-01	Challenge
FERRARI, THOMAS	\$1,216,058	\$597,580	Quantitative Genetic Study of Seizures	2-R01-NS-040554-08A1	NIH Pipeline
FITZGERALD, GARRET A	\$1,009,381	\$1,009,381	Institutional Clinical and Translational Science Award	3-UL1-RR-024134-04S1	Supplement
FITZGERALD, GARRET A	\$607,827	\$607,827	Institutional Clinical and Translational Science Award	3-UL1-RR-024134-04S2	Supplement
FOSKETT, JAMES K	\$270,051	\$270,051	Electrophysiology of nuclear membrane INSP3 receptor	3-R01-GM-056328-11S2	Supplement
FRANKEL, FRED	\$799,977	\$799,977	NOVEL HETEROLOGOUS LISTERIA-ADENOVIRUS MUCOSAL VACCINE	1-R56-AI-078779-01A2	NIH Pipeline
GANGULY, ARUPA	\$588,582	\$588,582	Parental genotypes, exposures, and sporadic retinoblastoma	3-R01-CA-118580-03S1	Supplement
GEE, JAMES C	\$1,184,101	\$591,034	Tract-Specific Analysis of Brain White Matter	1-R01-NS-065347-01A1	NIH Pipeline
GELFAND, JOEL M	\$1,000,000	\$500,000	Comparative Effectiveness of Biologics for Psoriasis	1-RC1-AR-058204-01	Challenge
GERTON, GEORGE L	\$10,639	\$10,639	Cyclic AMP Action During Sperm Function	3-R01-HD-051999-02S1	Supplement
GIMOTTY, PHYLLIS A	\$88,108	\$88,108	Cancer Biostatistics Training Grant	3-T32-CA-093283-07S1	Supplement
GLATSTEIN, ELI	\$1,589,248	\$1,589,248	Photodynamic Therapy for Neoplastic Diseases Involving Serosal Surfaces	3-P01-CA-087971-07S1	Supplement
GLICKSON, JERRY D	\$937,439	\$470,517	NMR of Melanoma Acidification, Bioenergetics, Metabolism and Therapeuti	1-R01-CA-129544-01A2	NIH Pipeline
GONZALEZ-SCARANO, FRANCIS	\$21,118	\$21,118	Characterization of the La Crosse Virus glycoprotein fusion peptide	3-R01-AI-074626-02S1	Supplement
GOONERATNE, NALAKA S	\$355,159	\$193,725	INSOMNIA AND SLEEP DISORDERED BREATHING IN SENIORS: A LON	1-R21-AG-031390-01A1	NIH Pipeline
GORMAN, JOSEPH	\$120,840	\$120,840	ANNULAR AND SUB-VALVULAR REPAIR TECHNIQUES FOR ISCHEMIC S7023-G1		NIH Pipeline
GRACIA, CLARISA R	\$99,991	\$99,991	Measures of Fertility in Young Cancer Patients	3-KL1-CA-133839-03S1	Supplement
GRADY, MICHAEL S	\$194,671	\$194,671	Functional Reorganization of Limbic Circuitry After TBI	3-R01-NS-050598-05S1	Supplement
GREENBAUM, LINDA E	\$6,788	\$6,788	Transcriptional control in hepatocyte proliferation	3-R01-DK-056669-08S1	Supplement
GREENBERG, ROGER	\$101,470	\$101,470	Chromatin Structure and BRCA1 Checkpoint Function	3-K08-CA-106597-04S1	Supplement
GROSSMAN, MURRAY	\$1,482,648	\$739,683	CONCEPTUAL PROCESSING IN ALZHEIMER'S DISEASE	2-R01-AG-015116-11A2	NIH Pipeline
GRUNWALD, JUAN E	\$1,464,614	\$1,464,614	Retinopathy in Chronic Renal Insufficiency	3-R01-DK-074151-04S1	Supplement
GUR, RAQUEL E	\$10,071,173	\$5,063,377	Neurodevelopmental Genomics: Trajectories of Complex Phenotypes	1-RC2-MH-089983-01	GO
GUR, RAQUEL E	\$521,952	\$261,048	Family-Based Genome-Wide Methylation Scan in Neurocognition and Schiz	1-RC2-MH-089973-01	GO
HACZKU, ANGELA	\$1,000,000	\$500,000	Effects of ozone exposure on expression and function of surfactant protein l	1-RC1-ES-018505-01	Challenge
HANNA, SHERI L	\$151,818	\$50,054	IDENTIFICATION OF HOST FACTORS IMPACTING RIFT VALLEY FEVEF	1-F32-AI080111-01A1	NIH Pipeline
HANNENHALLI, SRIDHAR	\$337,675	\$337,675	Methods for evolutionary analysis of eukaryotic transcriptional regulation	3-R01-GM-085226-02S1	Supplement
HENNESSY, SEAN P	\$1,000,000	\$500,000	Data Infrastructure for Post-Marketing Comparative Effectiveness Studies	1-RC1-AG-035751-01	Challenge
HERSKOVITS, EDWARD H	\$1,001,887	\$498,180	SPATIALLY ORIENTED DATABASE FOR DIGITAL BRAIN IMAGES	2-R01-AG-013743-13A1	NIH Pipeline

## ARRA Funded Awards as of 10-13-2009

<u>PI</u>	<u>Total Committed</u>	<u>Year 1 costs</u>	<u>Project Title</u>	<u>Sponsor Award ID</u>	<u>Award Type</u>
HOLMES,JOHN H	\$972,158	\$482,925	Mining Internet Conversation For Evidence Of Herbal Association	1-RC1-LM-010342-01	Challenge
ISAACS,STUART N	\$25,000	\$25,000	Smallpox vaccine and vaccinia complement control protein	3-U01-AI-066333-05S1	Supplement
JANMEY,PAUL	\$889,627	\$438,243	NOVEL ANTIBACTERIAL AGENTS RESISTANT TO INACTIVATION BY PI	2-R01-HL-067286-06A2	NIH Pipeline
JANMEY,PAUL	\$223,416	\$223,416	Mechanical control of cell growth and differentiation	3-R01-GM-083272-02S1	Competitive Revisio
JEMMOTT,JOHN B	\$300,696	\$300,696	"Help Us, Save Us! HIV/STI Prevention&ltbr>Intervention for High-Risk Bla	3-R01-MH-079736-03S1	Supplement
JUNE,CARL H	\$459,344	\$459,344	Lentivirus-based immunogene therapy for HIV infection&ltbr>	3-U19-AI066290-04S1	Supplement
KAO,GARY	\$982,256	\$483,486	RADIATION-ENHANCED NANOBIOPOLYMER THERAPEUTICS THROUC	1-RC1-CA-145075-01	Challenge
KATZ,JONATHAN P	\$319,167	\$319,167	The role of Klf5 in GI epithelial homeostasis and disease	3-R01-DK-080031-02S1	Competitive Revisio
KATZ,JONATHAN P	\$16,994	\$16,994	The role of Klf5 in GI epithelial homeostasis and disease	3-R01-DK-080031-01A1S1	Supplement
KATZ,JONATHAN P	\$8,486	\$8,486	Regulation of differentiation in esophageal epithelia	3-R01-DK-069984-04S1	Supplement
KAWUT,STEVEN	\$246,257	\$246,257	A Clinical Trial of Aspirin and Simvastatin in Pulmonary Arterial Hypertensio	3-R01-HL-082895-04S1	Supplement
KAZANIETZ,MARCELO G	\$631,497	\$314,450	Prostate carcinogenesis and PKC signaling	2-R01-CA-089202-09	NIH Pipeline
KAZANIETZ,MARCELO G	\$639,666	\$315,632	Heregulin signaling via small GTPases in mitogenesis and tumorigenesis	1-R01-CA-129133-01A2	NIH Pipeline
KAZAZIAN,HAIG H	\$984,498	\$484,872	Augmenting GWAS with Retrotransposon Polymorphisms	1-RC1-CA-144910-01	Challenge
KELZ,MAX B	\$85,500	\$85,500	Arousal, Orexins and Anesthesia	3-K08-GM-077357-04S1	Supplement
KHURANA,TEJVIR S	\$433,125	\$275,625	PRECLINICAL DEVELOPMENT OF A NOVEL THERAPEUTIC STRATEGY	1-R21-NS-065936-01	NIH Pipeline
KHURANA,TEJVIR S	\$809,502	\$397,500	MOLECULAR CHARACTERIZATION OF EXTRAOCULAR MUSCLE (EOM	2-R01-EY-013862-06	NIH Pipeline
KONKLE,BARBARA	\$996,583	\$497,473	Novel Biomarkers Predictive of Heparin-Induced Thrombocytopenia	1-RC1-HL-099973-01	Challenge
KOUMENIS,CONSTANTINOS	\$695,927	\$345,483	PHARMACOLOGICAL TARGETING OF THE UPR AS AN ANTITUMOR ST	1-R01-CA-139362-01	NIH Pipeline
KRAL,TANJA V	\$53,536	\$53,536	Eating Behaviors Among Weight-Discordant Siblings	3-K01-DK-078601-02S2	Supplement
LANDIS,J R	\$400,063	\$400,063	MAPP research network	3-U01-DK-082316-02S1	Supplement
LAZAR,MITCHELL A	\$1,000,000	\$500,000	Genome-wide epigenetic control of circadian metabolism by heme receptor	1-RC1-DK-086239-01	Challenge
LAZAR,MITCHELL A	\$359,936	\$359,936	Thyroid hormone receptors - regulation and function	3-R37-DK-043806-19S1	Competitive Revisio
LEE,FRANK S	\$676,326	\$336,743	Hypoxic Control of Collagen Biosynthesis	1-RC1-AR-058179-01	Challenge
LEE,HONGZHE K	\$144,226	\$144,226	Survival analysis methods in genetic studies	3-R01-ES-009911-11S1	Supplement
LEMMON,MARK A	\$484,008	\$267,744	Specificity of domain interactions in cell signaling	2-R01-GM-056846-10A2	NIH Pipeline
LEMMON,MARK A	\$427,626	\$427,626	ErbB receptor homo- and hetero-dimerization	3-R01-CA-079992-11S1	Competitive Revisio
LEVINE,SANFORD	\$156,976	\$156,976	Ventilator-Induced diaphragm dysfunction	3-R01-HL-078834-04S1	Supplement
LEVITAN,IRWIN B	\$111,983	\$111,983	Regulation of ion channels in nerve cells	3-R01-NS-017910-28S1	Supplement
LEWIS,JAMES	\$54,000	\$54,000	Test-Treat Strategy To Prevent Ulcerative Colitis Relapse	3-K24-DK-078228-02S1	Supplement
LEWIS,MITCHELL	\$176,539	\$176,539	Structural studies of transcriptional regulators	3-R01-GM-044617-17S2	Supplement
LIPSCHUTZ,JOSHUA H	\$51,916	\$51,916	The Exocyst in Synthesis, Cystogenesis and Tubulogenesis	3-R01-DK-069909-05S2	Supplement
LOHOFF,FALK W	\$50,000	\$50,000	VMAT1 in Bipolar Disorder and Schizophrenia	3-K08-MH-080372-02S1	Supplement
LYNCH,JOHN P	\$31,872	\$31,872	Cdx2 modulates beta-catenin activity in intestinal cells	3-R01-DK-068366-04S2	Supplement
LYNCH,JOHN P	\$11,146	\$11,146	Cdx2 modulates beta-catenin activity in intestinal cells	3-R01-DK-068366-04S3	Supplement
LYNCH,KEVIN	\$493,625	\$247,563	Statistical Methods for Sequential Treatment Decisions in Alcoholism	1-RC1-AA-019092-01	Challenge
MAGUIRE,MAUREEN G	\$303,357	\$303,357	Coordinating Center for the Comparison of AMD Treatments Trials	3-U10-EY017823-03S1	Supplement
MALYKHINA,ANNA P	\$97,269	\$97,269	Cross-sensitization in the pelvis and neurogenic bladder	NOT-OD-09 3-R01-DK-077699-03S2	Supplement
MANDELL,DAVID S	\$171,947	\$171,947	Interstate variation in healthcare utilization among children with ASD	3-R01-MH-077000-03S1	Supplement
MANNING,DAVID R	\$318,994	\$315,072	Engagement of heterotrimeric G proteins by Sonic hedgehog	3-R01-GM-080396-02S1	Supplement
MAUCK,ROBERT L	\$39,852	\$39,852	Dynamic Fibrous Scaffolds for Engineering Dense Connective Tissues	3-R01-AR-056624-01A1S1	Supplement
MCKAY,JAMES R	\$995,355	\$498,869	Effectiveness of an Enhanced Adaptive Continuing Care Model for Cocaine	1-RC1-DA-028262-01	Challenge

## ARRA Funded Awards as of 10-13-2009

<u>PI</u>	<u>Total Committed</u>	<u>Year 1 costs</u>	<u>Project Title</u>	<u>Sponsor Award ID</u>	<u>Award Type</u>
MCKAY,JAMES R	\$1,059,107	\$1,059,107	Effectiveness of Extended Treatments for Drug Dependence	3-R01-DA-020623-04S1	Competitive Revisio
METLAY,JOSHUA P	\$50,000	\$50,000	Neighborhood Level Determinants of Pneumococcal Transmission	3-K24-AI-073957-02S1	Supplement
MILLAR,SARAH E	\$800,181	\$433,351	Manipulation of beta-catenin signaling in adult oral cells for tooth regenerati	1-RC1-DE-020337-01	Challenge
MILLAR,SARAH E	\$30,509	\$30,509	Intercellular signaling in embryonic and postnatal mammary gland developm	3-R01-HD-053829-03S1	Supplement
MOBERG,PAUL J	\$338,035	\$338,035	Olfactory Function in Schizophrenia: A Lifespan Analysis	3-R01-MH-063381-07S1	Competitive Revisio
MOHLER,EMILE R	\$932,526	\$456,475	Validation of a Vascular Health Profile for Cardiovascular Disease	1-RC1-HL-099528-01	Challenge
MULUGETA,SURAFEL	\$254,993	\$254,993	ABCA3: Biosynthesis, Trafficking and Cellular Responses on Health and dis	3-R01-HL-090732-02S1	Supplement
MURRAY,JOHN M	\$13,079	\$13,079	HOW DO YOU BUILD A PARASITE?	3-R01-AI-049301-08S1	Supplement
NAIDOO,NIRMALA N	\$1,000,000	\$500,000	Biomarker for Sleep Loss: A Proteomic Determination	1-RC1-HL-099701-01	Challenge
NAIDOO,NIRMALA N	\$123,666	\$123,666	Age Impaired ER Homeostasis in Wake Active Neurons: BiP/Nox2 Crosstal	3-R21-AG-032500-02S1	Supplement
NATHANSON,KATHERINE	\$294,939	\$294,939	Inherited genetic variation and predisposition to testicular germ cell tumor	3-R01-CA-114478-03S1	Supplement
NUSBAUM,MICHAEL P	\$130,787	\$130,787	Motor circuit modulation and its regulation	3-R37-NS-029436-20S1	Supplement
O'DOHERTY,UNA	\$426,515	\$232,945	A better gene therapy envelope for transducing G0 CD4+ T cells	1-R21-AI-081215-01A1	NIH Pipeline
O'DWYER,PETER	\$1,313,831	\$661,447	Interaction of anti-angiogenic and cytotoxic therapies in colorectal cancer	1-R01-CA-139003-01A1	NIH Pipeline
PARMACEK,MICHAEL S	\$901,214	\$428,230	MOLECULAR BASIS OF MYOCARDIN FUNCTION IN THE HEART	1-R01-HL-094520-01	NIH Pipeline
PATERSON,YVONNE J	\$132,662	\$132,662	Institutional Research and Academic Career Development Award	3-K12-GM-081259-03S1	Supplement
PENNING,TREVOR M	\$505,848	\$505,848	Human aldo-keto reductases and nuclear receptor action	3-R01-CA-090744-08S1	Competitive Revisio
PENNING,TREVOR M	\$484,114	\$484,114	Center of Excellence in Environmental Toxicology	3-P30-ES-013508-04S1	Supplement
PEOPLES,LAURA L	\$478,500	\$238,500	The role of cocaine-induced changes in OMPFC neurophysiology in cocaine	1-R01-DA-026942-01	NIH Pipeline
PICKUP,STEPHEN	\$498,200	\$498,200	CONSOLE AND GRADIENT AMPLIFIERS FOR A 9.4 T VERTICAL BOR	1-S10-RR-025654-01	NIH Pipeline
PIEN,GRACE	\$183,297	\$183,297	Mechanisms of Sleep-Disordered Breathing in the Menopausal Transition	3-R01-HL-085695-03S1	Supplement
POLSKY,DANIEL E	\$25,956	\$25,956	Market Competition and Quality of Home Health Services	3-R01-HL-088586-01A2S1	Supplement
POPTANI,HARISH	\$453,459	\$253,735	High-resolution diffusion tensor imaging in mouse models relevant to autism	1-R21-HD-058237-01A2	NIH Pipeline
RAABE,TOBIAS D	\$491,428	\$274,302	GENERATION OF HESC REPORTER LINES USING IMPROVED GENE T	1-R21-HL-092489-01A1	NIH Pipeline
RADER,DANIEL J	\$999,986	\$499,993	Markers of the metabolic syndrome linking type 2 diabetes and MI in South	1-RC1-TW-008485-01	Challenge
RADER,DANIEL J	\$1,000,000	\$500,000	Identification of Causal Variants at Novel GWAS Loci Associated with Lipid	1-RC1-HL-099793-01	Challenge
RADER,DANIEL J	\$4,700,000	\$2,400,000	Molecular mechanisms and pathways of novel genomic loci regulating plasr	1-RC2-HL-101864-01	GO
RADER,DANIEL J	\$7,946,564	\$3,768,457	Comprehensive biomarker study to capitalize on existing GWAS in 10K Sou	1-RC2-HL-101834-01	GO
RADER,DANIEL J	\$41,731	\$41,731	HDL metabolism: Influence of extracellular lipases	3-R01-HL-055323-13S1	Supplement
RAIZEN,DAVID M	\$19,795	\$19,795	Regulation of sleep-like behavior in C. elegans	3-R01-NS-064030-01A1S1	Supplement
RAPER,JONATHAN A	\$205,151	\$205,151	Modulatory axonal guidance cues	3-R01-DA-025407-20S1	Competitive Revisio
REBBECK,TIMOTHY R	\$332,423	\$332,423	Ethnic Difference In Prostate Cancer	3-R01-CA-085074-09S1	Supplement
REDDY,RAVINDER	\$495,402	\$495,402	A Resource for Magnetic Resonance and Optical Imaging	3-P41-RR-002305-25S1	Supplement
RHODES,KARIN V	\$999,990	\$499,999	Community Health Center Intervention for Intimate Partner Violence&lt;br>	1-RC1-MD-004415-01	Challenge
ROBERTSON,ERLE	\$637,233	\$317,683	EBNA3C and tumor suppressors	1-R01-CA-138434-01A2	NIH Pipeline
ROSAS,SYLVIA E	\$110,232	\$110,232	Coronary calcification in hemodialysis patients	3-R21-HL-086971-02S1	Supplement
ROSS,SUSAN R	\$18,270	\$18,270	Role of ITAM repeats in virus-induced breast cancer	3-R01-CA-114273-03S1	Supplement
RUSTGI,ANIL K	\$48,844	\$48,844	Center for Digestive and Liver Diseases	3-P30-DK-050306-12S1	Supplement
RUSTGI,ANIL K	\$77,977	\$77,977	MicroRNAs and chromosome 22q in the colon	3-R01-DK-056645-10S1	Supplement
RUSTGI,ANIL K	\$282,993	\$282,993	Center for Digestive and Liver Diseases	3-P30-DK-050306-13S1	Supplement
SACHAIS,BRUCE	\$170,374	\$170,374	Proatherogenic properties of platelet Factor 4	3-R01-HL-078726-04S1	Supplement
SALZBERG,BRIAN M	\$1,016,847	\$495,660	OPTICAL STUDY OF SECRETION IN MAMMALIAN NERVE TERMINALS	2-R01-NS-040966-06A2	NIH Pipeline

## ARRA Funded Awards as of 10-13-2009

<u>PI</u>	<u>Total Committed</u>	<u>Year 1 costs</u>	<u>Project Title</u>	<u>Sponsor Award ID</u>	<u>Award Type</u>
SARWER,DAVID	\$1,012,143	\$504,677	Lifestyle Modification versus Bariatric Surgery for Type 2 Diabetes	1-RC1-DK-086132-01	Challenge
SCHAFFER,ANDRAS	\$48,419	\$48,419	SIGNIFICANCE OF NOTCH1 AND TRIBBL-2 IN MACROPHAGE FUSIC	3-K08-AI-080138-02S1	Supplement
SHELLENBERG,GERARD D	\$5,401,791	\$3,440,003	Genome Wide associate analysis of Alzheimer's Disease	1-RC2-AG-036528-01	GO
SHELLENBERG,GERARD D	\$1,208,739	\$482,846	4/5-Elucidating the Genetic Architecture of Autism by Deep Genomic Sequencing	1-R01-MH-089004-01	Other
SCHNOLL,ROBERT A	\$433,125	\$236,250	Assessment of High Dose Transdermal Nicotine for Fast Metabolizers of Nicotine	1-R21-DA-026889-01	NIH Pipeline
SELZER,MICHAEL E	\$164,157	\$164,157	Center for Experimental Neurorehabilitation Training	3-R24-HD-050838-05S1	Supplement
SEYKORA,JOHN T	\$13,668	\$13,539	The Role of SRCAS1 in Keratinocyte Biology	3-R01-AR-051380-04S2	Supplement
SHEN,HAO	\$433,125	\$196,875	MOLECULAR BASIS OF DEFECTIVE CD8 T CELLS DURING CHRONIC VIRAL INFECTION	1-R21-AI-079724-01	NIH Pipeline
SHEN,HAO	\$158,342	\$158,342	SHAPING ANTIVIRAL IMMUNITY BY THE INFLAMMATORY, REGULATORY T CELL RESPONSE	24391-01-350	Supplement
SHORE,EILEEN	\$108,950	\$108,950	Molecular Genetics of Progressive Osseous Heteroplasia	3-R01-AR-046831-08S1	Supplement
SHORTER,JAMES	\$435,959	\$198,959	Exploring mechanisms of TDP-43 aggregation and disaggregation	1-R21-NS-067354-01	NIH Pipeline
SMITH,DOUGLAS H	\$153,563	\$153,563	Mild Traumatic Brain Injury and Diffuse Axonal Injury	3-P01-NS-056202-02S1	Supplement
STANLEY,JOHN R	\$207,542	\$207,542	Cloning and genetics of human pemphigus autoantibodies	3-R01-AR-052672-04S1	Supplement
STEPANOVA,VICTORIA	\$385,878	\$209,878	Nuclear urokinase (uPA) regulates tumor cell proliferation and survival.	1-R21-CA-141228-01	NIH Pipeline
STINEMAN,MARGARET	\$685,774	\$343,733	Impairment Activity Staging	1-R01-AG-032420-01A1	NIH Pipeline
STONE,RICHARD A	\$902,153	\$434,932	MOLECULAR CHARACTERIZATION OF CHICK RETINA DURING REFRACTION	1-R01-EY-018838-01A1	NIH Pipeline
SUNDARAM,MEERA V	\$632,809	\$310,903	RAS/ERK CONTROL OF CELL FATES	1-R01-DK-077182-01A2	NIH Pipeline
THOMPSON,CRAIG B	\$1,559,733	\$1,543,606	Abramson Cancer Center Support Grant	1-P30-CA-147859-01	Research Core Cen
THOMPSON,CRAIG B	\$2,674,939	\$2,674,939	Abramson Cancer Center Support Grant	3-P30-CA016520-34S5	Supplement
THOMPSON,CRAIG B	\$301,637	\$301,637	Abramson Cancer Center of the U of P Core Support Grant	3-P30-CA-016520-34S4	Supplement
THOMPSON,CRAIG B	\$91,257	\$91,257	Lymphocyte Survival: Implications for Lymphomagenesis	3-R01-CA-092660-09S1	Supplement
TILTON,CARISA	\$101,764	\$50,054	GENERATION AND CONTROL OF OXIDATIVE STRESS DURING HUMAN DEVELOPMENT	1-F32-AI-082893-01	NIH Pipeline
TOWNSEND,RAYMOND R	\$143,136	\$143,136	Prospective renal insufficiency cohort evaluation: PRICE	3-U01-DK-060984-09S1	Supplement
TOWNSEND,RAYMOND R	\$122,938	\$122,938	Pulse wave velocity in chronic kidney disease	3-R01-DK-067390-05S1	Supplement
TROJANOWSKI,JOHN Q	\$804,917	\$401,930	NIA Core Center to Build Neurodegenerative Disease Research Faculty At	1-P30-AG-036468-01	Research Core Cen
TROJANOWSKI,JOHN Q	\$107,444	\$107,444	Parkinson's Disease and Dementia	3-P50-NS-053488-03S1	Supplement
TROJANOWSKI,JOHN Q	\$199,316	\$199,316	Parkinson's Disease and Dementia	3-P50-NS-053488-02S1	Supplement
TURKA,LAURENCE A	\$135,986	\$135,986	Costimulation and Cytokines in Tolerance	3-P01-AI-041521-13S1	Supplement
TUTTLE,STEPHEN W	\$381,150	\$173,248	Anti-tumor properties of curcumin in oral cancers: role of thioredoxin reductase	1-R21-CA-137398-01A1	NIH Pipeline
VEASEY,SIGRID	\$350,032	\$350,032	Confocal Microscope Core for Translational Research	1-S10-RR-025566-01	NIH Pipeline
VEASEY,SIGRID	\$8,141	\$8,141	Sleep Apnea: Upper Airway Nerve Injury	3-R01-HL-080492-05S1	Supplement
VOLPP,KEVIN G	\$5,404,364	\$2,700,777	Developing Interactive Technologies to Improve Research and Health Behavior	1-RC2-AG-036592-01	GO
VONDERHEIDE,ROBERT H	\$651,978	\$324,444	IMMUNOREGULATION AND IMMUNOTHERAPY OF BREAST CANCER	2-R01-CA-111377-04A1	NIH Pipeline
WADDEN,THOMAS A	\$119,179	\$119,179	Look AHEAD: Action for Health in Diabetes	3-U01-DK-057135-11S1	Supplement
WADDEN,THOMAS A	\$19,770	\$19,770	Improving the Management of Obesity in Primary Care Practice	3-U01-HL-087072-03S1	Supplement
WAND,A. J	\$291,870	\$291,870	A novel approach to integral & anchored membrane protein structure & function	3-R01-GM-085120-02S1	Supplement
WANG,JIONGJIONG	\$478,021	\$478,021	Pediatric Template of Brain Perfusion	3-R01-MH-080892-01A2S1	Competitive Revisio
WEHRLI,FELIX W	\$907,193	\$458,607	Integrated MRI-Based Examination for Evaluation of Peripheral Arterial Disease	1-RC1-HL-099861-01	Challenge
WEI,HUAFENG	\$147,772	\$147,772	Mechanisms of anesthesia mediated neurotoxicity	3-R01-GM-084979-02S1	Supplement
WEISS,SUSAN R	\$94,500	\$94,500	A GENETIC ANALYSIS OF PNEUMOTROPISM AND PNEUMORVIRULENCE	S090056	NIH Pipeline
WEISS,SUSAN R	\$433,125	\$196,875	MECHANISM OF MURINE CORONAVIRUS INDUCED HEPATITIS	1-R21-AI-080797-01	NIH Pipeline
WELLS,REBECCA G	\$238,979	\$238,979	TGF-beta, matrix, and myofibroblasts in hepatic fibrosis	3-R01-DK-058123-09S1	NIH Pipeline

## ARRA Funded Awards as of 10-13-2009

<u>PI</u>	<u>Total Committed</u>	<u>Year 1 costs</u>	<u>Project Title</u>	<u>Sponsor Award ID</u>	<u>Award Type</u>
WELLS,REBECCA G	\$16,972	\$16,972	TGF-beta, Matrix, and myofibroblasts in hepatic fibrosis	3-R01-DK-058123-09S2	Supplement
WELLS,REBECCA G	\$99,982	\$99,982	TGF-beta, Matrix, and myofibroblasts in hepatic fibrosis	3-R01-DK-058123-09S3	Supplement
WILSON,JAMES M	\$991,039	\$494,560	Regulated Transgene Expression in the Retina	1-RC1-EY-020274-01	Challenge
WILSON,JAMES M	\$159,584	\$159,584	Molecular therapy for CF and genetic diseases	3-P30-DK-047757-16S2	Supplement
WILSON,JAMES M	\$28,350	\$28,350	DNA virus as vectors for cardiovascular diseases	3-P01-HL-059407-10S1	Supplement
WOLF,RONALD L	\$435,188	\$238,313	EVALUATION OF VASCULAR MALFORMATION HEMODYNAMICS USING	1-R21-NS-065292-01	NIH Pipeline
YUSHKEVICH,PAUL A	\$107,920	\$107,920	Computational Methods for Regional Hippocampal Morphometry in AD	3-K25-AG-027785-03S1	Supplement
ZHOU,RONG	\$196,269	\$196,269	Imaging Stem Cells in Infarcted Myocardium	3-R01-HL-081185-04S1	Supplement
ZHU,JUN	\$200,000	\$157,820	Analysis of gene regulation of vibrio cholerae infection	3-R01-AI-072479-03S1	Supplement
ZIOBER,BARRY L	\$777,139	\$385,558	MOLECULAR ANALYSIS OF OSCC TUMOR INVASION	1-R01-DE-019454-01	NIH Pipeline