

UNIVERSITY OF HOUSTON
Division of Research
New/Continuation Sponsored Research Grants and Contracts
Fiscal Year 2012 - Received during JANUARY

COLLEGE OF EDUCATION

Dean, Education

Investigator: Chiappetta, Eugene L. Dr. 20%
Award Amount: \$114,986.40
Cost Center: 00730 / 5013 / H0066 / B0100 / G097433 / 44159
Agency: National Science Foundation
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 4/1/2009 to 3/31/2014
CFDA: 47.076 Education and Human Resources
CB Designation: Non Restricted Research
Project Type: Grant - Research
Project Title: New GK-12 Program at the University of Houston: Innovations in Nanotechnology and Nanosciences - Using a Knowledge, Applications, Research, and Technology (KART) Approach

Educational Psychology

Investigator: Arbona, Consuelo Dr. 100%
Award Amount: \$12,718.04
Cost Center: 00730 / 5021 / H0064 / B0001 / G104800 / 50170
Agency: Baylor College of Medicine
Pass_Thru Agency: Texas Children's Hospital
Agency Type: NON PROFIT
Duration: 1/1/2012 to 5/31/2012
CFDA:
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Educational Psychology Assistantship: Corey Heath

COLLEGE OF LIBERAL ARTS AND SOCIAL SCIENCES

Communication Disorders

Investigator: Maher, Lynn Dr. 100%
Award Amount: \$58,428.00
Cost Center: 00730 / 5021 / H0087 / C0001 / G104805 / 50180
Agency: United Way of Greater Houston
Pass_Thru Agency:
Agency Type: NON PROFIT
Duration: 1/1/2012 to 12/31/2012
CFDA:
CB Designation: Non Research
Project Type: Grant - Public Service
Project Title: United Way Support for Services: 2012

UNIVERSITY OF HOUSTON
Division of Research
New/Continuation Sponsored Research Grants and Contracts
Fiscal Year 2012 - Received during JANUARY

COLLEGE OF LIBERAL ARTS AND SOCIAL SCIENCES**Dean, Liberal Arts and Social Sciences**

Investigator: O'Brien, Thomas F. Dr. 25%
Award Amount: \$4,241.40
Cost Center: 00730 / 5022 / H0089 / A0001 / G004545 / 10609
Agency: Mixed Multi-Donors
Pass_Thru Agency:
Agency Type: PROFIT
Duration: 12/1/1992 to 8/31/2020
CFDA: DELETE Non-Federal activity
CB Designation: Non Research
Project Type: Grant - Instruction
Project Title: Interest Bearing Account for NEH-Supported African and African-American Studies at the University of Houston

English

Investigator: O'Brien, Thomas F. Dr. 25%
Award Amount: \$4,241.40
Cost Center: 00730 / 5022 / H0089 / A0001 / G004545 / 10609
Agency: Mixed Multi-Donors
Pass_Thru Agency:
Agency Type: PROFIT
Duration: 12/1/1992 to 8/31/2020
CFDA: DELETE Non-Federal activity
CB Designation: Non Research
Project Type: Grant - Instruction
Project Title: Interest Bearing Account for NEH-Supported African and African-American Studies at the University of Houston

History

Investigator: O'Brien, Thomas F. Dr. 25%
Award Amount: \$4,241.40
Cost Center: 00730 / 5022 / H0089 / A0001 / G004545 / 10609
Agency: Mixed Multi-Donors
Pass_Thru Agency:
Agency Type: PROFIT
Duration: 12/1/1992 to 8/31/2020
CFDA: DELETE Non-Federal activity
CB Designation: Non Research
Project Type: Grant - Instruction
Project Title: Interest Bearing Account for NEH-Supported African and African-American Studies at the University of Houston

UNIVERSITY OF HOUSTON
Division of Research
New/Continuation Sponsored Research Grants and Contracts
Fiscal Year 2012 - Received during JANUARY

COLLEGE OF LIBERAL ARTS AND SOCIAL SCIENCES**Political Science**

Investigator: O'Brien, Thomas F. Dr. 25%
Award Amount: \$4,241.40
Cost Center: 00730 / 5022 / H0089 / A0001 / G004545 / 10609
Agency: Mixed Multi-Donors
Pass_Thru Agency:
Agency Type: PROFIT
Duration: 12/1/1992 to 8/31/2020
CFDA: DELETE Non-Federal activity
CB Designation: Non Research
Project Type: Grant - Instruction
Project Title: Interest Bearing Account for NEH-Supported African and African-American Studies at the University of Houston

Psychology

Investigator: Barth, Amy Dr. 20%
Award Amount: \$23,901.60
Cost Center: 00730 / 5013 / H0288 / B0001 / G103426 / 50169
Agency: National Institute of Child Health and Human Development
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 1/2/2012 to 12/31/2012
CFDA: 93.865 Center for Research for Mothers and Children
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Language, Cognitive, and Neuropsychological Processes in Reading Comprehension

Investigator: Hannay, H. Julia Dr. 100%
Award Amount: \$23,907.00
Cost Center: 00730 / 5033 / H0125 / B0001 / G104654 / 50045
Agency: Baylor College of Medicine
Pass_Thru Agency: National Institute of Neurological Disorders and Stroke
Agency Type: FEDERAL
Duration: 9/1/2011 to 1/31/2012
CFDA: 93.701 Trans-NIH Recovery Act Research Support
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: ARRA - Outcome of Erythropoietin Neuroprotection After TBI

UNIVERSITY OF HOUSTON
Division of Research
New/Continuation Sponsored Research Grants and Contracts
Fiscal Year 2012 - Received during JANUARY

COLLEGE OF LIBERAL ARTS AND SOCIAL SCIENCES**Psychology**

Investigator: Sharp, Carla Dr. 100%
Award Amount: \$243,567.00
Cost Center: 00730 / 5013 / H0125 / B0001 / G100871 / 46382
Agency: National Institute of Mental Health
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 4/1/2010 to 12/31/2012
CFDA: 93.242 Mental Health Research Grants
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Emotional-behavior disorders in South African children affected by AIDS

COLLEGE OF NATURAL SCIENCES AND MATHEMATICS**Biology/Biochemistry**

Investigator: Pennings, Steve Dr. 100%
Award Amount: \$12,701.00
Cost Center: 00730 / 5013 / H0104 / B0001 / G092696 / 40028
Agency: University of Georgia
Pass_Thru Agency: National Science Foundation
Agency Type: FEDERAL
Duration: 11/15/2006 to 10/31/2012
CFDA: 47.050 Geosciences
CB Designation: Restricted Research
Project Type: Contract - Research
Project Title: LTER-GCEII: Georgia Land/Ocean Margin Ecosystem

Investigator: Gunaratne, Preethi Dr. 100%
Award Amount: \$33,148.00
Cost Center: 00730 / 5013 / H0104 / B0001 / G104014 / 49325
Agency: Methodist Hospital Research Institute
Pass_Thru Agency: U.S. Army Medical Research and Material Command
Agency Type: FEDERAL
Duration: 9/29/2010 to 9/28/2012
CFDA: 12.420 Military Medical Research and Development
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Integrating Amine-Functionalized Gold Nanoparticle Conjugated MicroRNAs Into Cancer Prognostic and Therapeutic Strategies Targeted at Drug Resistant Multiple Myeloma (MM)

UNIVERSITY OF HOUSTON
Division of Research
New/Continuation Sponsored Research Grants and Contracts
Fiscal Year 2012 - Received during JANUARY

COLLEGE OF NATURAL SCIENCES AND MATHEMATICS**Biology/Biochemistry**

Investigator: Gunaratne, Preethi Dr. 100%
Award Amount: \$22,173.00
Cost Center: 00730 / 5013 / H0104 / B0001 / G104779 / 50173
Agency: Baylor College of Medicine
Pass_Thru Agency: National Institute of Child Health and Human Development
Agency Type: FEDERAL
Duration: 4/1/2011 to 3/31/2012
CFDA: 93.865 Center for Research for Mothers and Children
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: MicroRNAs in Endometrial Function and Dysfunction

Chemistry

Investigator: Moeller, Angela Dr. 50%
Award Amount: \$44,090.50
Cost Center: 00730 / 5013 / H0107 / B0001 / G104098 / 50130
Agency: National Science Foundation
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 1/15/2012 to 12/31/2016
CFDA: 47.049 Mathematical and Physical Sciences
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: CAREER: Low-Dimensional Spin Systems: Interplay of Chemical Pressure on Triangular Lattices with Spin- and Orbital Degrees of Freedom

Computer Science

Investigator: Gnawali, Omprakash Dr. 100%
Award Amount: \$65,940.00
Cost Center: 00730 / 5021 / H0108 / B0001 / G104838 / 50231
Agency: Cisco University Research Program Fund
Pass_Thru Agency:
Agency Type: FOUNDATION
Duration: 1/1/2012 to 1/11/2013
CFDA:
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: RPL's Performance Under Dynamics at Different Time Scales

UNIVERSITY OF HOUSTON
Division of Research
New/Continuation Sponsored Research Grants and Contracts
Fiscal Year 2012 - Received during JANUARY

COLLEGE OF NATURAL SCIENCES AND MATHEMATICS**Geosciences**

Investigator: Han, De-Hua Dr. 100%
Award Amount: \$55,000.00
Cost Center: 00730 / 5022 / H0109 / B0001 / G094777 / 40041
Agency: Various Private Profit Agencies
Pass_Thru Agency:
Agency Type: PROFIT
Duration: 1/1/2007 to 12/31/2020
CFDA:
CB Designation: Restricted Research
Project Type: Contract - Research
Project Title: Fluid & Rock Properties and Seismic Hydrocarbon Indicators

Investigator: Bhattacharya, Janok Dr. 100%
Award Amount: \$50,000.00
Cost Center: 00730 / 5022 / H0109 / B0001 / G094776 / 40027
Agency: Various Private Profit Agencies
Pass_Thru Agency:
Agency Type: PROFIT
Duration: 1/1/2007 to 12/31/2012
CFDA:
CB Designation: Restricted Research
Project Type: Contract - Research
Project Title: Quantitative Sedimentology Research Consortium

Investigator: Goloshubin, Gennady Dr. 100%
Award Amount: \$162,752.00
Cost Center: 00730 / 5021 / H0109 / B0001 / G101207 / 46563
Agency: West Siberian Research Institute of Geology and Geophysics
Pass_Thru Agency:
Agency Type: NON PROFIT
Duration: 5/4/2010 to 11/30/2012
CFDA:
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Development of algorithms, software and methodical support for Frequency-dependent processing and interpretation of seismic data

UNIVERSITY OF HOUSTON
Division of Research
New/Continuation Sponsored Research Grants and Contracts
Fiscal Year 2012 - Received during JANUARY

COLLEGE OF NATURAL SCIENCES AND MATHEMATICS**Geosciences**

Investigator: Mann, Paul Dr. 100%
Award Amount: \$180,000.00
Cost Center: 00730 / 5022 / H0109 / B0001 / G103956 / 49251
Agency: Various Private Profit Agencies
Pass_Thru Agency:
Agency Type: PROFIT
Duration: 6/1/2011 to 8/31/2014
CFDA:
CB Designation: Restricted Research
Project Type: Contract - Research
Project Title: Caribbean Basins, Tectonics, and Hydrocarbons - Phase III

Mathematics

Investigator: Heier, Gordon Dr. 100%
Award Amount: \$20,000.00
Cost Center: 00730 / 5013 / H0110 / B0001 / G102651 / 50223
Agency: National Security Agency
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 1/17/2012 to 1/17/2013
CFDA: 12.901 Mathematical Sciences Grants Program
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Problems in diophantine geometry and hyperbolicity

Investigator: Ru, Min Dr. 100%
Award Amount: \$27,111.00
Cost Center: 00730 / 5013 / H0110 / B0001 / G100376 / 48390
Agency: National Security Agency
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 3/18/2011 to 3/18/2013
CFDA: 12.901 Mathematical Sciences Grants Program
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Nevanlinna Theory and Diophantine Approximation

UNIVERSITY OF HOUSTON
Division of Research
New/Continuation Sponsored Research Grants and Contracts
Fiscal Year 2012 - Received during JANUARY

COLLEGE OF NATURAL SCIENCES AND MATHEMATICS**Mathematics**

Investigator: Josic, Kresimir Dr. 100%
Award Amount: \$60.00
Cost Center: 00730 / 1011 / H0110 / B0021 / G096105 / 42412
Agency: Texas Higher Education Coordinating Board - ARP
Pass_Thru Agency:
Agency Type: STATE
Duration: 5/15/2008 to 1/31/2011
CFDA:
CB Designation: Non Restricted Research
Project Type: Grant - Research
Project Title: The Dynamics and Function of Feed-Forward Networks

Physics

Investigator: Pinsky, Lawrence S. Dr. 50%
Award Amount: \$87,815.00
Cost Center: 00730 / 5043 / H0112 / B0001 / G104670 / 50110
Agency: Wyle Science Technology and Engineering Group
Pass_Thru Agency: NASA - National Aeronautics and Space Administration - Marshall Space Flight Center
Agency Type: FEDERAL
Duration: 11/28/2011 to 9/25/2012
CFDA: 43.000 National Aeronautics and Space Administration
CB Designation: Restricted Research
Project Type: Contract - Research
Project Title: Medipix 3 Collaboration and support for on orbit technology development and demonstration

Investigator: Weglein, Arthur Dr. 100%
Award Amount: \$198,800.00
Cost Center: 00730 / 5022 / H0112 / B0001 / G094786 / 40040
Agency: Various Private Profit Agencies
Pass_Thru Agency:
Agency Type: PROFIT
Duration: 1/1/2007 to 12/31/2014
CFDA:
CB Designation: Restricted Research
Project Type: Contract - Research
Project Title: Mission-Oriented Seismic Research Program

UNIVERSITY OF HOUSTON
Division of Research
New/Continuation Sponsored Research Grants and Contracts
Fiscal Year 2012 - Received during JANUARY

COLLEGE OF OPTOMETRY**Optometry, Community**

Investigator: Tang, MD, MPH, MBA, Rosa Dr. 50%
Award Amount: \$31,050.00
Cost Center: 00730 / 5022 / H0114 / B0001 / G104346 / 50229
Agency: Biogen Idec Inc
Pass_Thru Agency:
Agency Type: PROFIT
Duration: 1/10/2012 to 1/10/2013
CFDA:
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Evaluation of retinal nerve fiber layer thickness in patients with relapsing forms of multiple sclerosis on treatment with natalizumab

Investigator: Frishman, PhD, Laura J. Dr. 50%
Award Amount: \$31,050.00
Cost Center: 00730 / 5022 / H0114 / B0001 / G104346 / 50229
Agency: Biogen Idec Inc
Pass_Thru Agency:
Agency Type: PROFIT
Duration: 1/10/2012 to 1/10/2013
CFDA:
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Evaluation of retinal nerve fiber layer thickness in patients with relapsing forms of multiple sclerosis on treatment with natalizumab

Investigator: Bergmanson, Jan P. G. Dr. 100%
Award Amount: \$1,786.04
Cost Center: 00730 / 5022 / H0114 / B0001 / G103862 / 49203
Agency: Bausch and Lomb Company
Pass_Thru Agency:
Agency Type: PROFIT
Duration: 3/24/2011 to 3/31/2012
CFDA:
CB Designation: Restricted Research
Project Type: Contract - Research
Project Title: Protocol #690: A Study to Evaluate the Safety and Efficacy of a Novel Contact Lens for Daily disposable Use

UNIVERSITY OF HOUSTON
Division of Research
New/Continuation Sponsored Research Grants and Contracts
Fiscal Year 2012 - Received during JANUARY

COLLEGE OF OPTOMETRY**Optometry, Community**

Investigator: Manny, Ruth E. Dr. 100%
Award Amount: \$278,091.00
Cost Center: 00730 / 5013 / H0114 / B0001 / G102902 / 47781
Agency: National Eye Institute
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 12/1/2010 to 11/30/2011
CFDA: 93.867 Vision Research
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Collaborative Observational Study of Myopia in COMET Children (COSMICC2) - UH

COLLEGE OF PHARMACY**Clinical Sciences and Administration**

Investigator: Garey, Kevin Dr. 100%
Award Amount: \$87,750.00
Cost Center: 00730 / 5022 / H0118 / B0001 / G104198 / 50213
Agency: Astellas Pharma US, Inc.
Pass_Thru Agency:
Agency Type: PROFIT
Duration: 11/17/2011 to 5/16/2013
CFDA:
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Incidence and risk factors for breakthrough candidemia in hospitalized patients: Focus on optimization of antifungal therapy

Investigator: Sansgiry, Sujit Dr. 100%
Award Amount: \$8,000.00
Cost Center: 00730 / 5016 / H0118 / B0001 / G103205 / 49319
Agency: Texas Pharmacy Association
Pass_Thru Agency:
Agency Type: STATE
Duration: 8/1/2010 to 8/31/2013
CFDA:
CB Designation: Restricted Research
Project Type: Contract - Research
Project Title: The Role of Collaborative Team Approach to Managing Patients with Diabetes to Improve Economic and Health Outcomes

UNIVERSITY OF HOUSTON
Division of Research
New/Continuation Sponsored Research Grants and Contracts
Fiscal Year 2012 - Received during JANUARY

COLLEGE OF PHARMACY**Pharmacological and Pharmaceutical Sciences**

Investigator: Hu, Ming Dr. 100%
Award Amount: \$86,864.00
Cost Center: 00730 / 5013 / H0117 / B0001 / G104479 / 49967
Agency: Medical College of Wisconsin
Pass_Thru Agency: National Center for Complementary and Alternative Medicine
Agency Type: FEDERAL
Duration: 9/1/2011 to 8/31/2012
CFDA: 93.913 Grants to States for Operation of Offices of Rural Health
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Chemoprevention of lung cancer with red ginseng extracts

COLLEGE OF TECHNOLOGY**Engineering Technology**

Investigator: Bose, Anima Dr. 100%
Award Amount: \$101,655.00
Cost Center: 00730 / 5013 / H0139 / B0001 / G104737 / 50112
Agency: Ohio University - All Campuses
Pass_Thru Agency: U.S. Department of Energy - National Energy Technology Laboratory
Agency Type: FEDERAL
Duration: 9/1/2011 to 8/31/2012
CFDA: 81.087 Renewable Energy Research and Development
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Multi-Hybrid Power Vehicles with Cost Effective and Durable Polymer Electrolyte Membrane Fuel Cell and Li-Ion Battery

CULLEN COLLEGE OF ENGINEERING**Center for Integrated Bio and Nano Systems**

Investigator: Litvinov, Dmitri Dr. 50%
Award Amount: \$4,977.00
Cost Center: 00730 / 5013 / H0070 / B0001 / G104450 / 50209
Agency: National Science Foundation
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 1/1/2012 to 12/31/2013
CFDA: 47.041 Engineering Grants
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: GOALI: Fabrication and Device Physics of Bit-Patterned Magnetic Recording Media

UNIVERSITY OF HOUSTON
Division of Research
New/Continuation Sponsored Research Grants and Contracts
Fiscal Year 2012 - Received during JANUARY

CULLEN COLLEGE OF ENGINEERING**Center for Integrated Bio and Nano Systems**

Investigator: Litvinov, Dmitri Dr. 50%
Award Amount: \$25,000.00
Cost Center: 00730 / 5013 / H0070 / B0001 / G104154 / 50208
Agency: National Science Foundation
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 1/11/2012 to 8/31/2013
CFDA: 47.041 Engineering Grants
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Supplement: Single-biomolecule detector array based on nanomagnetically stabilized magnetoresistive sensors

Investigator: Bao, Jiming Dr. 50%
Award Amount: \$200,000.00
Cost Center: 00730 / 5013 / H0070 / B0001 / G104092 / 50210
Agency: National Science Foundation
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 6/1/2012 to 5/31/2017
CFDA: 47.041 Engineering Grants
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: CAREER: Doped Graphene: a Transformative Paradigm for Plasmonics and Two-Dimensional Nanophotonics

Chemical Engineering

Investigator: Balakotaiah, Vemuri Dr. 30%
Award Amount: \$30,000.00
Cost Center: 00730 / 5013 / H0067 / B0001 / G098356 / 45303
Agency: U.S. Department of Energy - National Energy Technology Laboratory
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 9/21/2009 to 9/20/2012
CFDA: 81.117 Energy Efficiency and Renewable Energy Information Dissemination, Outreach, Training and Technical An
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Development of Optimal Catalyst Designs and Operating Strategies for Lean NOx Reduction in Coupled LNT-SCR Systems

UNIVERSITY OF HOUSTON
Division of Research
New/Continuation Sponsored Research Grants and Contracts
Fiscal Year 2012 - Received during JANUARY

CULLEN COLLEGE OF ENGINEERING**Chemical Engineering**

Investigator: Harold, Michael Dr. 40%
Award Amount: \$40,000.00
Cost Center: 00730 / 5013 / H0067 / B0001 / G098356 / 45303
Agency: U.S. Department of Energy - National Energy Technology Laboratory
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 9/21/2009 to 9/20/2012
CFDA: 81.117 Energy Efficiency and Renewable Energy Information Dissemination, Outreach, Training and Technical An
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Development of Optimal Catalyst Designs and Operating Strategies for Lean NOx Reduction in Coupled LNT-SCR Systems

Investigator: Luss, Dan Dr. 30%
Award Amount: \$30,000.00
Cost Center: 00730 / 5013 / H0067 / B0001 / G098356 / 45303
Agency: U.S. Department of Energy - National Energy Technology Laboratory
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 9/21/2009 to 9/20/2012
CFDA: 81.117 Energy Efficiency and Renewable Energy Information Dissemination, Outreach, Training and Technical An
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Development of Optimal Catalyst Designs and Operating Strategies for Lean NOx Reduction in Coupled LNT-SCR Systems

Civil Engineering

Investigator: Rodrigues , Debora Dr. 100%
Award Amount: \$82,865.00
Cost Center: 00730 / 5013 / H0068 / B0001 / G104093 / 50203
Agency: National Science Foundation
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 1/15/2012 to 12/31/2016
CFDA: 47.041 Engineering Grants
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: CAREER: Toxicology of graphene-based nanomaterials: A molecular biotechnology approach

UNIVERSITY OF HOUSTON
Division of Research
New/Continuation Sponsored Research Grants and Contracts
Fiscal Year 2012 - Received during JANUARY

CULLEN COLLEGE OF ENGINEERING**Dean, Engineering**

Investigator: Claydon, Frank Dr. 20%
Award Amount: \$114,986.40
Cost Center: 00730 / 5013 / H0066 / B0100 / G097433 / 44159
Agency: National Science Foundation
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 4/1/2009 to 3/31/2014
CFDA: 47.076 Education and Human Resources
CB Designation: Non Restricted Research
Project Type: Grant - Research
Project Title: New GK-12 Program at the University of Houston: Innovations in Nanotechnology and Nanosciences - Using a Knowledge, Applications, Research, and Technology (KART) Approach

Investigator: Long, Stuart A. Dr. 20%
Award Amount: \$114,986.40
Cost Center: 00730 / 5013 / H0066 / B0100 / G097433 / 44159
Agency: National Science Foundation
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 4/1/2009 to 3/31/2014
CFDA: 47.076 Education and Human Resources
CB Designation: Non Restricted Research
Project Type: Grant - Research
Project Title: New GK-12 Program at the University of Houston: Innovations in Nanotechnology and Nanosciences - Using a Knowledge, Applications, Research, and Technology (KART) Approach

Investigator: Rifai, Hanadi Dr. 20%
Award Amount: \$114,986.40
Cost Center: 00730 / 5013 / H0066 / B0100 / G097433 / 44159
Agency: National Science Foundation
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 4/1/2009 to 3/31/2014
CFDA: 47.076 Education and Human Resources
CB Designation: Non Restricted Research
Project Type: Grant - Research
Project Title: New GK-12 Program at the University of Houston: Innovations in Nanotechnology and Nanosciences - Using a Knowledge, Applications, Research, and Technology (KART) Approach

UNIVERSITY OF HOUSTON
Division of Research
New/Continuation Sponsored Research Grants and Contracts
Fiscal Year 2012 - Received during JANUARY

CULLEN COLLEGE OF ENGINEERING**Dean, Engineering**

Investigator: Sharma, Pradeep Dr. 20%
Award Amount: \$114,986.40
Cost Center: 00730 / 5013 / H0066 / B0100 / G097433 / 44159
Agency: National Science Foundation
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 4/1/2009 to 3/31/2014
CFDA: 47.076 Education and Human Resources
CB Designation: Non Restricted Research
Project Type: Grant - Research
Project Title: New GK-12 Program at the University of Houston: Innovations in Nanotechnology and Nanosciences - Using a Knowledge, Applications, Research, and Technology (KART) Approach

Electrical & Computer Engineering

Investigator: Litvinov, Dmitri Dr. 50%
Award Amount: \$4,977.00
Cost Center: 00730 / 5013 / H0070 / B0001 / G104450 / 50209
Agency: National Science Foundation
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 1/1/2012 to 12/31/2013
CFDA: 47.041 Engineering Grants
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: GOALI: Fabrication and Device Physics of Bit-Patterned Magnetic Recording Media

Investigator: Litvinov, Dmitri Dr. 50%
Award Amount: \$25,000.00
Cost Center: 00730 / 5013 / H0070 / B0001 / G104154 / 50208
Agency: National Science Foundation
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 1/11/2012 to 8/31/2013
CFDA: 47.041 Engineering Grants
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Supplement: Single-biomolecule detector array based on nanomagnetically stabilized magnetoresistive sensors

UNIVERSITY OF HOUSTON
Division of Research
New/Continuation Sponsored Research Grants and Contracts
Fiscal Year 2012 - Received during JANUARY

CULLEN COLLEGE OF ENGINEERING**Electrical & Computer Engineering**

Investigator: Bao, Jiming Dr. 50%
Award Amount: \$200,000.00
Cost Center: 00730 / 5013 / H0070 / B0001 / G104092 / 50210
Agency: National Science Foundation
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 6/1/2012 to 5/31/2017
CFDA: 47.041 Engineering Grants
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: CAREER: Doped Graphene: a Transformative Paradigm for Plasmonics and Two-Dimensional Nanophotonics

Mechanical Engineering

Investigator: Selvamanickam, Venkat Dr. 50%
Award Amount: \$150,000.00
Cost Center: 00730 / 5043 / H0452 / B0001 / G104809 / 50198
Agency: Superpower, Inc.
Pass_Thru Agency: U.S. Department of Energy
Agency Type: FEDERAL
Duration: 1/1/2012 to 6/30/2012
CFDA: 81.135 Advanced Research and Projects Agency - Energy Financial
CB Designation: Restricted Research
Project Type: Contract - Research
Project Title: Process Development for Second-Generation HTS Wires (Task 2)

Investigator: Selvamanickam, Venkat Dr. 50%
Award Amount: \$100,000.00
Cost Center: 00730 / 5043 / H0452 / B0001 / G104587 / 50167
Agency: Superpower, Inc.
Pass_Thru Agency: U.S. Department of Energy
Agency Type: FEDERAL
Duration: 1/1/2012 to 6/30/2012
CFDA: 81.135 Advanced Research and Projects Agency - Energy Financial
CB Designation: Restricted Research
Project Type: Contract - Research
Project Title: ARPA-E: 30 T Superconducting Magnetic Energy Storage System (Task 2)

UNIVERSITY OF HOUSTON
Division of Research
New/Continuation Sponsored Research Grants and Contracts
Fiscal Year 2012 - Received during JANUARY

CULLEN COLLEGE OF ENGINEERING

Mechanical Engineering

Investigator: Selvamanickam, Venkat Dr. 50%
Award Amount: \$50,277.00
Cost Center: 00730 / 5022 / H0452 / B0001 / G099090 / 44962
Agency: Bruker Advanced Supercon
Pass_Thru Agency:
Agency Type: PROFIT
Duration: 6/1/2009 to 12/31/2012
CFDA:
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Evaluation of YBCO Coated Conductor Architectures

DIVISION OF RESEARCH

Center for Neuromotor & Biomechanics Research

Investigator: Clarke, Mark Dr. 5%
Award Amount: \$10,571.52
Cost Center: 00730 / 5013 / H0521 / B0001 / G102913 / 50107
Agency: NASA - National Aeronautics and Space Administration - Johnson Space Center
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 11/3/2011 to 11/2/2012
CFDA: 43.003 Basic Research, Educational Outreach, or Training in the area of Exploration
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Effects of Long-Term Exposure to Microgravity on Salivary Markers of Innate Immunity

Investigator: O'Connor, Daniel Dr. 5%
Award Amount: \$10,571.52
Cost Center: 00730 / 5013 / H0521 / B0001 / G102913 / 50107
Agency: NASA - National Aeronautics and Space Administration - Johnson Space Center
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 11/3/2011 to 11/2/2012
CFDA: 43.003 Basic Research, Educational Outreach, or Training in the area of Exploration
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Effects of Long-Term Exposure to Microgravity on Salivary Markers of Innate Immunity

UNIVERSITY OF HOUSTON
Division of Research
New/Continuation Sponsored Research Grants and Contracts
Fiscal Year 2012 - Received during JANUARY

DIVISION OF RESEARCH**Center for Neuromotor & Biomechanics Research**

Investigator: Lowder, Thomas Prof. 10%
Award Amount: \$21,143.04
Cost Center: 00730 / 5013 / H0521 / B0001 / G102913 / 50107
Agency: NASA - National Aeronautics and Space Administration - Johnson Space Center
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 11/3/2011 to 11/2/2012
CFDA: 43.003 Basic Research, Educational Outreach, or Training in the area of Exploration
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Effects of Long-Term Exposure to Microgravity on Salivary Markers of Innate Immunity

Investigator: Simpson, Richard Dr. 80%
Award Amount: \$169,144.30
Cost Center: 00730 / 5013 / H0521 / B0001 / G102913 / 50107
Agency: NASA - National Aeronautics and Space Administration - Johnson Space Center
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 11/3/2011 to 11/2/2012
CFDA: 43.003 Basic Research, Educational Outreach, or Training in the area of Exploration
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Effects of Long-Term Exposure to Microgravity on Salivary Markers of Innate Immunity

Investigator: Paloski, William Dr. 100%
Award Amount: \$20,033.00
Cost Center: 00730 / 5022 / H0521 / B0001 / G104575 / 50250
Agency: iShoe, Inc.
Pass_Thru Agency:
Agency Type: PROFIT
Duration: 2/1/2012 to 12/1/2012
CFDA:
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Testing the iShoe Insole and Balance Score (Angela Robertson)

UNIVERSITY OF HOUSTON
Division of Research
New/Continuation Sponsored Research Grants and Contracts
Fiscal Year 2012 - Received during JANUARY

DIVISION OF RESEARCH**TcSUH**

Investigator: Selvamanickam, Venkat Dr. 50%
Award Amount: \$150,000.00
Cost Center: 00730 / 5043 / H0452 / B0001 / G104809 / 50198
Agency: Superpower, Inc.
Pass_Thru Agency: U.S. Department of Energy
Agency Type: FEDERAL
Duration: 1/1/2012 to 6/30/2012
CFDA: 81.135 Advanced Research and Projects Agency - Energy Financial
CB Designation: Restricted Research
Project Type: Contract - Research
Project Title: Process Development for Second-Generation HTS Wires (Task 2)

Investigator: Selvamanickam, Venkat Dr. 50%
Award Amount: \$100,000.00
Cost Center: 00730 / 5043 / H0452 / B0001 / G104587 / 50167
Agency: Superpower, Inc.
Pass_Thru Agency: U.S. Department of Energy
Agency Type: FEDERAL
Duration: 1/1/2012 to 6/30/2012
CFDA: 81.135 Advanced Research and Projects Agency - Energy Financial
CB Designation: Restricted Research
Project Type: Contract - Research
Project Title: ARPA-E: 30 T Superconducting Magnetic Energy Storage System (Task 2)

Investigator: Moeller, Angela Dr. 50%
Award Amount: \$44,090.50
Cost Center: 00730 / 5013 / H0107 / B0001 / G104098 / 50130
Agency: National Science Foundation
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 1/15/2012 to 12/31/2016
CFDA: 47.049 Mathematical and Physical Sciences
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: CAREER: Low-Dimensional Spin Systems: Interplay of Chemical Pressure on Triangular Lattices with Spin- and Orbital Degrees of Freedom

UNIVERSITY OF HOUSTON
Division of Research
New/Continuation Sponsored Research Grants and Contracts
Fiscal Year 2012 - Received during JANUARY

DIVISION OF RESEARCH**TcSUH**

Investigator: Selvamanickam, Venkat Dr. 50%
Award Amount: \$50,277.00
Cost Center: 00730 / 5022 / H0452 / B0001 / G099090 / 44962
Agency: Bruker Advanced Supercon
Pass_Thru Agency:
Agency Type: PROFIT
Duration: 6/1/2009 to 12/31/2012
CFDA:
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Evaluation of YBCO Coated Conductor Architectures

Texas Learning/Computation Center

Investigator: Pinsky, Lawrence S. Dr. 50%
Award Amount: \$87,815.00
Cost Center: 00730 / 5043 / H0112 / B0001 / G104670 / 50110
Agency: Wyle Science Technology and Engineering Group
Pass_Thru Agency: NASA - National Aeronautics and Space Administration - Marshall Space Flight Center
Agency Type: FEDERAL
Duration: 11/28/2011 to 9/25/2012
CFDA: 43.000 National Aeronautics and Space Administration
CB Designation: Restricted Research
Project Type: Contract - Research
Project Title: Medipix 3 Collaboration and support for on orbit technology development and demonstration

Investigator: Barth, Amy Dr. 10%
Award Amount: \$11,950.80
Cost Center: 00730 / 5013 / H0288 / B0001 / G103426 / 50169
Agency: National Institute of Child Health and Human Development
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 1/2/2012 to 12/31/2012
CFDA: 93.865 Center for Research for Mothers and Children
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Language, Cognitive, and Neuropsychological Processes in Reading Comprehension

UNIVERSITY OF HOUSTON
Division of Research
New/Continuation Sponsored Research Grants and Contracts
Fiscal Year 2012 - Received during JANUARY

DIVISION OF RESEARCH

Texas Obesity Research Center

Investigator: Lee, Rebecca Dr. 100%
Award Amount: \$30,000.00
Cost Center: 00730 / 5013 / H0500 / B0001 / G098948 / 45876
Agency: National Institute of Child Health and Human Development
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 1/18/2010 to 12/31/2012
CFDA: 93.865 Center for Research for Mothers and Children
CB Designation: Restricted Research
Project Type: Co-Op Agreement - Research
Project Title: Science and Community: Ending Obesity Improving Health

TIMES

Investigator: Barth, Amy Dr. 70%
Award Amount: \$83,655.60
Cost Center: 00730 / 5013 / H0288 / B0001 / G103426 / 50169
Agency: National Institute of Child Health and Human Development
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 1/2/2012 to 12/31/2012
CFDA: 93.865 Center for Research for Mothers and Children
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Language, Cognitive, and Neuropsychological Processes in Reading Comprehension

UNIVERSITY OF HOUSTON
Division of Research
New/Continuation Sponsored Research Grants and Contracts
Fiscal Year 2012 - Received during JANUARY

SENIOR V.P. FOR ACADEMIC AFFAIRS AND PROVOST

UH Charter School

Investigator: Black, Carolyn Dr. 100%
Award Amount: \$557.00
Cost Center: 00730 / 5034 / H0441 / C0001 / G103773 / 49113
Agency: Texas Education Agency
Pass_Thru Agency: USE DED100; U.S. Department of Education
Agency Type: FEDERAL
Duration: 8/10/2010 to 9/30/2012
CFDA: 84.410 Education Jobs Fund
CB Designation: Non Research
Project Type: Grant - Public Service
Project Title: ARRA - Education Job Fund

REPORTING PERIOD ACTIVITY SUMMARY

Federal Funding: \$3,192,274.38
State Funding: \$8,060.00
Local Funding: \$0.00
Profit Funding: \$772,988.64
Non Profit Funding: \$233,898.04
Foundation Funding: \$65,940.00
University Funding: \$0.00
Total: **\$4,273,161.06**