

UNIVERSITY OF HOUSTON
Division of Research
New/Continuation Sponsored Research Grants and Contracts
Fiscal Year 2013 - Received during JANUARY

COLLEGE OF EDUCATION

Educational Psychology

Investigator: Obasi, Ezemenari Dr. 50%
Award Amount: \$10,408.50
Cost Center: 00730 / 5013 / H0125 / B0001 / G106021 / 52264
Agency: University of Georgia
Pass_Thru Agency: National Institute on Drug Abuse
Agency Type: FEDERAL
Duration: 7/1/2012 to 6/30/2013
CFDA: 93.279 Drug Abuse Research Programs
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: A Transdisciplinary Prevention Center Focused on Rural African American Families

COLLEGE OF LIBERAL ARTS AND SOCIAL SCIENCES

Psychology

Investigator: McIntyre, Maria Teresa Dr. 50%
Award Amount: \$200,000.00
Cost Center: 00730 / 5013 / H0288 / B0001 / G101970 / 48264
Agency: Institute of Educational Sciences
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 3/1/2011 to 2/28/2014
CFDA: 84.305 National Institute on Student Achievement, Curriculum and Assessment
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Using longitudinal and momentary analysis to study the impact of middle school teachers' stress on teacher effectiveness, student behavior and achievement

Investigator: Walker-Obasi, Rheeda Dr. 50%
Award Amount: \$10,408.50
Cost Center: 00730 / 5013 / H0125 / B0001 / G106021 / 52264
Agency: University of Georgia
Pass_Thru Agency: National Institute on Drug Abuse
Agency Type: FEDERAL
Duration: 7/1/2012 to 6/30/2013
CFDA: 93.279 Drug Abuse Research Programs
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: A Transdisciplinary Prevention Center Focused on Rural African American Families

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

Investigator: Barth, Amy Dr. 20%
Award Amount: \$23,891.40
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 12/31/2013
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

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

Investigator: Briggs, James M. Dr. 50%
Award Amount: \$16,447.00
Cost Center: 00730 / 5015 / H0104 / B0001 / G106220 / 52308
Agency: Texas Southern University
Pass_Thru Agency: NASA - National Aeronautics and Space Administration - Office of Biological and Physical Research
Agency Type: FEDERAL
Duration: 10/1/2012 to 1/31/2013
CFDA: 43.000 National Aeronautics and Space Administration
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Control and Investigation of Microbes in the Space Environment

Investigator: Briggs, James M. Dr. 50%
Award Amount: \$21,053.00
Cost Center: 00730 / 5015 / H0104 / B0001 / G103147 / 48019
Agency: Texas Southern University
Pass_Thru Agency: NASA - National Aeronautics and Space Administration - Office of Biological and Physical Research
Agency Type: FEDERAL
Duration: 10/1/2010 to 9/30/2013
CFDA: 12.431 Basic Scientific Research
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Control and Investigation of Microbes in the Space Environment

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

Investigator: Fox, George E. Dr. 50%
Award Amount: \$16,447.00
Cost Center: 00730 / 5015 / H0104 / B0001 / G106220 / 52308
Agency: Texas Southern University
Pass_Thru Agency: NASA - National Aeronautics and Space Administration - Office of Biological and Physical Research
Agency Type: FEDERAL
Duration: 10/1/2012 to 1/31/2013
CFDA: 43.000 National Aeronautics and Space Administration
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Control and Investigation of Microbes in the Space Environment

Investigator: Fox, George E. Dr. 50%
Award Amount: \$21,053.00
Cost Center: 00730 / 5015 / H0104 / B0001 / G103147 / 48019
Agency: Texas Southern University
Pass_Thru Agency: NASA - National Aeronautics and Space Administration - Office of Biological and Physical Research
Agency Type: FEDERAL
Duration: 10/1/2010 to 9/30/2013
CFDA: 12.431 Basic Scientific Research
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Control and Investigation of Microbes in the Space Environment

Investigator: Widger, William R. Dr. 20%
Award Amount: \$10,000.00
Cost Center: 00730 / 5022 / H0546 / B0001 / G105322 / 51037
Agency: Sandia National Laboratories
Pass_Thru Agency:
Agency Type: PROFIT
Duration: 6/1/2012 to 5/30/2013
CFDA:
CB Designation: Restricted Research
Project Type: Contract - Research
Project Title: Development of Bacteriophage Analytical Pipeline

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

Investigator: Weihua, Zhang Dr. 100%
Award Amount: \$6,000.00
Cost Center: 00730 / 5022 / H0104 / B0001 / C106195 / 52314
Agency: Lexicon Pharmaceuticals
Pass_Thru Agency:
Agency Type: PROFIT
Duration: 12/17/2012 to 12/16/2013
CFDA:
CB Designation: Restricted Research
Project Type: Contract - Research
Project Title: Study of the Effects of SGLT1 Inhibitor on Cancer Cells

Investigator: Sater, Amy K. Dr. 100%
Award Amount: \$173,944.00
Cost Center: 00730 / 5013 / H0104 / B0001 / G104010 / 50078
Agency: National Science Foundation
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 1/1/2012 to 12/31/2014
CFDA: 47.074 Biological Sciences
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: The Role of MicroRNAs in Vertebrate Ectodermal Specification

Investigator: Fujita, Masaya Dr. 100%
Award Amount: \$218,537.00
Cost Center: 00730 / 5013 / H0104 / B0001 / G105358 / 52388
Agency: National Science Foundation
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 2/1/2013 to 1/31/2016
CFDA: 47.074 Biological Sciences
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Collaborative research: Information processing by gene regulatory network controlling bacterial sporulation

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COLLEGE OF NATURAL SCIENCES AND MATHEMATICS**Chemistry**

Investigator: Coltart, Don Dr. 100%
Award Amount: \$104,931.00
Cost Center: 00730 / 5013 / H0107 / B0001 / G105965 / 52251
Agency: National Science Foundation
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 10/1/2012 to 8/31/2013
CFDA: 47.049 Mathematical and Physical Sciences
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Regiocontrolled Asymmetric alpha-Alkylation of Ketones via Activated Hydrazones

Investigator: Lubchenko, Vassiliy Dr. 50%
Award Amount: \$109,999.50
Cost Center: 00730 / 5013 / H0107 / B0001 / G105354 / 52177
Agency: National Science Foundation
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 12/1/2012 to 11/30/2015
CFDA: 47.074 Biological Sciences
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Kinetically stabilized mesoscopic aggregates of proteins

Computer Science

Investigator: Chapman, Barbara M. Dr. 50%
Award Amount: \$32,000.00
Cost Center: 00730 / 5043 / H0546 / B0001 / G105937 / 51951
Agency: UT-Battelle, LLC
Pass_Thru Agency: U.S. Department of Energy
Agency Type: FEDERAL
Duration: 11/1/2012 to 9/30/2013
CFDA: 81.000 Department of Energy
CB Designation: Restricted Research
Project Type: Contract - Research
Project Title: OpenSHMEM: Support for Standardization Effort, Enhanced Reference Implementation, and Publication of Standard

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COLLEGE OF NATURAL SCIENCES AND MATHEMATICS**Computer Science**

Investigator: Fofanov, Yuriy Dr. 40%
Award Amount: \$20,000.00
Cost Center: 00730 / 5022 / H0546 / B0001 / G105322 / 51037
Agency: Sandia National Laboratories
Pass_Thru Agency:
Agency Type: PROFIT
Duration: 6/1/2012 to 5/30/2013
CFDA:
CB Designation: Restricted Research
Project Type: Contract - Research
Project Title: Development of Bacteriophage Analytical Pipeline

Investigator: Chapman, Barbara M. Dr. 100%
Award Amount: \$25,000.00
Cost Center: 00730 / 5021 / H0108 / B0001 / G104600 / 50290
Agency: Oak Ridge Associated Universities
Pass_Thru Agency:
Agency Type: UNIVERSITY
Duration: 2/1/2012 to 1/31/2015
CFDA:
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: A similarity-based analysis tool for pattern derivation and large scale program restructuring

Earth & Atmospheric Sciences

Investigator: Brandon, Alan Dr. 50%
Award Amount: \$50,430.00
Cost Center: 00730 / 5013 / H0109 / B0001 / G102124 / 48152
Agency: National Science Foundation
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 2/15/2011 to 1/31/2014
CFDA: 47.050 Geosciences
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Testing Models for Continental Growth and Melt-Rock Interaction from 186Os-187Os-Hf-Nd-Sr Isotopes in SW USA Mantle Xenoliths

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COLLEGE OF NATURAL SCIENCES AND MATHEMATICS**Earth & Atmospheric Sciences**

Investigator: Snow, Jonathan Dr. 100%
Award Amount: \$101,690.00
Cost Center: 00730 / 5013 / H0109 / B0001 / C106170 / 52311
Agency: Consortium for Ocean Leadership (COL)
Pass_Thru Agency: National Science Foundation
Agency Type: FEDERAL
Duration: 12/11/2012 to 12/10/2015
CFDA: 47.050 Geosciences
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Chief Scientist Participation: Hess Deep Plutonic Crust

Investigator: Bhattacharya, Janok Dr. 100%
Award Amount: \$35,000.00
Cost Center: 00730 / 5022 / H0109 / B0001 / G094776 / 40027
Agency: Various Private Profit Agencies
Pass_Thru Agency:
Agency Type: PROFIT
Duration: 1/1/2007 to 5/31/2013
CFDA:
CB Designation: Restricted Research
Project Type: Contract - Research
Project Title: Quantitative Sedimentology Research Consortium

Investigator: Jiang, Xun Dr. 50%
Award Amount: \$25,000.00
Cost Center: 00730 / 5043 / H0429 / B0001 / G104348 / 49910
Agency: Jet Propulsion Laboratory
Pass_Thru Agency: NASA - National Aeronautics and Space Administration - Headquarters (Wash., D.C.)
Agency Type: FEDERAL
Duration: 10/27/2011 to 9/30/2013
CFDA: 43.001 Aerospace Education Services Program
CB Designation: Restricted Research
Project Type: Contract - Research
Project Title: Physical Processes in Global Climate Models Using Atmospheric Infrared Sounder (AIRS) Composition Retrievals

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COLLEGE OF NATURAL SCIENCES AND MATHEMATICS**Earth & Atmospheric Sciences**

Investigator: Mann, Paul Dr. 100%
Award Amount: \$60,000.00
Cost Center: 00730 / 5022 / H0109 / B0001 / G103956 / 49251
Agency: Various Private Profit Agencies
Pass_Thru Agency:
Agency Type: PROFIT
Duration: 6/1/2011 to 6/30/2013
CFDA:
CB Designation: Restricted Research
Project Type: Contract - Research
Project Title: Caribbean Basins, Tectonics, and Hydrocarbons - Phase III

Investigator: Han, De-Hua Dr. 100%
Award Amount: \$40,000.00
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: Lapen, Thomas Dr. 50%
Award Amount: \$50,430.00
Cost Center: 00730 / 5013 / H0109 / B0001 / G102124 / 48152
Agency: National Science Foundation
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 2/15/2011 to 1/31/2014
CFDA: 47.050 Geosciences
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Testing Models for Continental Growth and Melt-Rock Interaction from 186Os-187Os-Hf-Nd-Sr Isotopes in SW USA Mantle Xenoliths

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COLLEGE OF NATURAL SCIENCES AND MATHEMATICS**Institute for Climate and Atmospheric Science**

Investigator: Jiang, Xun Dr. 50%
Award Amount: \$25,000.00
Cost Center: 00730 / 5043 / H0429 / B0001 / G104348 / 49910
Agency: Jet Propulsion Laboratory
Pass_Thru Agency: NASA - National Aeronautics and Space Administration - Headquarters (Wash., D.C.)
Agency Type: FEDERAL
Duration: 10/27/2011 to 9/30/2013
CFDA: 43.001 Aerospace Education Services Program
CB Designation: Restricted Research
Project Type: Contract - Research
Project Title: Physical Processes in Global Climate Models Using Atmospheric Infrared Sounder (AIRS) Composition Retrievals

Mathematics

Investigator: Tomforde, Mark Dr. 100%
Award Amount: \$7,000.00
Cost Center: 00730 / 5021 / H0110 / B0001 / G103227 / 49385
Agency: The Simons Foundation
Pass_Thru Agency:
Agency Type: FOUNDATION
Duration: 7/1/2011 to 8/31/2016
CFDA:
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Classification of graph C*-algebras

Investigator: Kuznetsov, Yuri Dr. 100%
Award Amount: \$90,000.00
Cost Center: 00730 / 5022 / H0110 / B0001 / G106194 / 52318
Agency: ExxonMobil Upstream Research Co.
Pass_Thru Agency:
Agency Type: PROFIT
Duration: 1/1/2013 to 12/31/2013
CFDA:
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: ExxonMobil Upstream Research Agreement EM08183

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COLLEGE OF NATURAL SCIENCES AND MATHEMATICS**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 1/16/2014
CFDA: 12.901 Mathematical Sciences Grants Program
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Problems in diophantine geometry and hyperbolicity

Physics

Investigator: Jacobson, Allan J. Dr. 20%
Award Amount: \$2,600.00
Cost Center: 00730 / 5021 / H0452 / B0001 / G097490 / 42709
Agency: Rice University
Pass_Thru Agency:
Agency Type: UNIVERSITY
Duration: 8/1/2008 to 2/5/2013
CFDA: 12.800 Air Force Defense Research Sciences Program
CB Designation: Restricted Research
Project Type: Co-Op Agreement - Research
Project Title: CONTACT (CONsortium for NanomaTerials for Aerospace Commerce and Technology) Program for the U.S. Air Force Research Laboratory

Investigator: Weglein, Arthur Dr. 100%
Award Amount: \$248,500.00
Cost Center: 00730 / 5022 / H0112 / B0001 / G094786 / 40040
Agency: Various Private Profit Agencies
Pass_Thru Agency:
Agency Type: PROFIT
Duration: 1/1/2007 to 6/30/2013
CFDA:
CB Designation: Restricted Research
Project Type: Contract - Research
Project Title: Mission-Oriented Seismic Research Program

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COLLEGE OF NATURAL SCIENCES AND MATHEMATICS**Physics**

Investigator: Peng, Haibing Dr. 50%
Award Amount: \$25,000.00
Cost Center: 00730 / 5043 / H0112 / B0001 / G106087 / 52243
Agency: Clarkson Aerospace Corporation
Pass_Thru Agency: U.S. Air Force
Agency Type: FEDERAL
Duration: 11/1/2012 to 11/29/2013
CFDA: 19.406 College and University Affiliations Program
CB Designation: Restricted Research
Project Type: Contract - Research
Project Title: Ultrafast Suspended Graphene Nanosensors

COLLEGE OF PHARMACY**Clinical Sciences and Administration**

Investigator: Garey, Kevin Dr. 60%
Award Amount: \$47,506.50
Cost Center: 00730 / 5022 / H0118 / B0001 / C105838 / 52315
Agency: Merck & Co. Inc.
Pass_Thru Agency:
Agency Type: PROFIT
Duration: 12/12/2012 to 12/11/2014
CFDA:
CB Designation: Restricted Research
Project Type: Contract - Research
Project Title: Pathomicrobiologic characteristics of Clostridium difficile recurrence

Investigator: Shah, Dhara Dr. 40%
Award Amount: \$31,671.00
Cost Center: 00730 / 5022 / H0118 / B0001 / C105838 / 52315
Agency: Merck & Co. Inc.
Pass_Thru Agency:
Agency Type: PROFIT
Duration: 12/12/2012 to 12/11/2014
CFDA:
CB Designation: Restricted Research
Project Type: Contract - Research
Project Title: Pathomicrobiologic characteristics of Clostridium difficile recurrence

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COLLEGE OF PHARMACY**Clinical Sciences and Administration**

Investigator: Johnson, Michael Dr. 10%
Award Amount: \$3,683.20
Cost Center: 00730 / 5013 / H0118 / B0001 / G105153 / 51797
Agency: Agency for Healthcare Research and Quality
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 9/30/2012 to 7/31/2013
CFDA: 93.226 Research on Healthcare Costs, Quality and Outcomes
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Anticholinergics and Cognitive Decline in the Elderly with Depression

Investigator: Aparasu, Rajender Dr. 80%
Award Amount: \$29,465.60
Cost Center: 00730 / 5013 / H0118 / B0001 / G105153 / 51797
Agency: Agency for Healthcare Research and Quality
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 9/30/2012 to 7/31/2013
CFDA: 93.226 Research on Healthcare Costs, Quality and Outcomes
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Anticholinergics and Cognitive Decline in the Elderly with Depression

Investigator: Chen, Hua Dr. 10%
Award Amount: \$3,683.20
Cost Center: 00730 / 5013 / H0118 / B0001 / G105153 / 51797
Agency: Agency for Healthcare Research and Quality
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 9/30/2012 to 7/31/2013
CFDA: 93.226 Research on Healthcare Costs, Quality and Outcomes
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Anticholinergics and Cognitive Decline in the Elderly with Depression

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COLLEGE OF PHARMACY**Clinical Sciences and Administration**

Investigator: Trivedi, Meghana Dr. 100%
Award Amount: \$10,000.00
Cost Center: 00730 / 5021 / H0118 / B0001 / G105796 / 52291
Agency: American Association of Colleges of Pharmacy
Pass_Thru Agency:
Agency Type: NON PROFIT
Duration: 1/14/2013 to 1/13/2014
CFDA:
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Identification of novel GPCR targets in HER2+ breast cancer

Heart and Kidney Institute

Investigator: Tikunova, Svetlana Dr. 47.5%
Award Amount: \$214,303.85
Cost Center: 00730 / 5013 / H0117 / B0001 / G104992 / 52342
Agency: National Heart, Lung, and Blood Institute
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 1/10/2013 to 12/31/2015
CFDA: 93.837 Heart and Vascular Diseases Research
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Molecular Mechanism of Dilated Cardiomyopathy

Investigator: McConnell, Bradley Dr. 2.5%
Award Amount: \$11,279.15
Cost Center: 00730 / 5013 / H0117 / B0001 / G104992 / 52342
Agency: National Heart, Lung, and Blood Institute
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 1/10/2013 to 12/31/2015
CFDA: 93.837 Heart and Vascular Diseases Research
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Molecular Mechanism of Dilated Cardiomyopathy

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COLLEGE OF PHARMACY**Pharmacological and Pharmaceutical Sciences**

Investigator: McConnell, Bradley Dr. 2.5%
Award Amount: \$11,279.15
Cost Center: 00730 / 5013 / H0117 / B0001 / G104992 / 52342
Agency: National Heart, Lung, and Blood Institute
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 1/10/2013 to 12/31/2015
CFDA: 93.837 Heart and Vascular Diseases Research
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Molecular Mechanism of Dilated Cardiomyopathy

Investigator: Tikunova, Svetlana Dr. 47.5%
Award Amount: \$214,303.85
Cost Center: 00730 / 5013 / H0117 / B0001 / G104992 / 52342
Agency: National Heart, Lung, and Blood Institute
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 1/10/2013 to 12/31/2015
CFDA: 93.837 Heart and Vascular Diseases Research
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Molecular Mechanism of Dilated Cardiomyopathy

COLLEGE OF TECHNOLOGY**Engineering Technology**

Investigator: Gurkan, Deniz Dr. 100%
Award Amount: \$75,000.00
Cost Center: 00730 / 5022 / H0139 / B0001 / G103733 / 48895
Agency: InfoBlox Inc.
Pass_Thru Agency:
Agency Type: PROFIT
Duration: 6/21/2011 to 8/31/2013
CFDA:
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Metadata Application of IF-MAP across GENI Infrastructures & A Use Case for Instrumentation and Measurement Resource Characterization, Access, and Control

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

Investigator: Litvinov, Dmitri Dr. 50%
Award Amount: \$2,500.00
Cost Center: 00730 / 5015 / H0070 / B0001 / G103627 / 50865
Agency: UNIVERSITY OF TEXAS AT BROWNSVILLE
Pass_Thru Agency: National Science Foundation
Agency Type: FEDERAL
Duration: 10/1/2011 to 9/30/2013
CFDA: 47.041 Engineering Grants
CB Designation: Non Restricted Research
Project Type: Grant - Research
Project Title: Support of the UT Brownsville undergraduate nanotechnology demonstrations by the UH Nanofabrication Facility

Chemical Engineering

Investigator: Jacobson, Allan J. Dr. 30%
Award Amount: \$3,900.00
Cost Center: 00730 / 5021 / H0452 / B0001 / G097490 / 42709
Agency: Rice University
Pass_Thru Agency:
Agency Type: UNIVERSITY
Duration: 8/1/2008 to 2/5/2013
CFDA: 12.800 Air Force Defense Research Sciences Program
CB Designation: Restricted Research
Project Type: Co-Op Agreement - Research
Project Title: CONTACT (COnsortium for NanomaTerials for Aerospace Commerce and Technology) Program for the U.S. Air Force Research Laboratory

Investigator: Vekilov, Peter Dr. 50%
Award Amount: \$109,999.50
Cost Center: 00730 / 5013 / H0107 / B0001 / G105354 / 52177
Agency: National Science Foundation
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 12/1/2012 to 11/30/2015
CFDA: 47.074 Biological Sciences
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Kinetically stabilized mesoscopic aggregates of proteins

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CULLEN COLLEGE OF ENGINEERING**Chemical Engineering**

Investigator: Krishnamoorti, Ramanan Dr. 100%
Award Amount: \$100,000.00
Cost Center: 00730 / 5022 / H0067 / B0001 / G106097 / 52176
Agency: ExxonMobil Chemical Company
Pass_Thru Agency:
Agency Type: PROFIT
Duration: 12/1/2012 to 12/2/2012
CFDA:
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Analytical Characterization of Multicomponent Polymer Compositions

Investigator: Qin, Guan Dr. 100%
Award Amount: \$736,460.00
Cost Center: 00730 / 5022 / H0067 / B0001 / C105979 / 52252
Agency: China National Petroleum Corporation
Pass_Thru Agency:
Agency Type: PROFIT
Duration: 12/1/2012 to 12/31/2014
CFDA:
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Shale Gas Reservoir Stimulation Implementation Conditions and Productivity Analysis

Civil Engineering

Investigator: Rodrigues , Debora Dr. 100%
Award Amount: \$118,507.00
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

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CULLEN COLLEGE OF ENGINEERING**Civil Engineering**

Investigator: Rixey, William G. Dr. 100%
Award Amount: \$158,590.00
Cost Center: 00730 / 5022 / H0068 / B0001 / G105992 / 52247
Agency: Shell Global Solutions
Pass_Thru Agency:
Agency Type: PROFIT
Duration: 12/1/2012 to 11/30/2014
CFDA:
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Physical/Chemical Behavior of Methanol Fuels

Electrical & Computer Engineering

Investigator: Han, Zhu Dr. 100%
Award Amount: \$150,000.00
Cost Center: 00730 / 5013 / H0070 / B0001 / G105825 / 52353
Agency: National Science Foundation
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 2/1/2013 to 1/31/2015
CFDA: 47.070 Computer and Information Science and Engineering (CISE)
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: EAGER: Collaborative Research: Joint Adaptation of Multiple Cognitive Systems without Explicit Coordination

Investigator: Litvinov, Dmitri Dr. 50%
Award Amount: \$2,500.00
Cost Center: 00730 / 5015 / H0070 / B0001 / G103627 / 50865
Agency: UNIVERSITY OF TEXAS AT BROWNSVILLE
Pass_Thru Agency: National Science Foundation
Agency Type: FEDERAL
Duration: 10/1/2011 to 9/30/2013
CFDA: 47.041 Engineering Grants
CB Designation: Non Restricted Research
Project Type: Grant - Research
Project Title: Support of the UT Brownsville undergraduate nanotechnology demonstrations by the UH Nanofabrication Facility

UNIVERSITY OF HOUSTON
Division of Research
New/Continuation Sponsored Research Grants and Contracts
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CULLEN COLLEGE OF ENGINEERING**Electrical & Computer Engineering**

Investigator: Shih, Wei-Chuan Dr. 50%
Award Amount: \$100,000.00
Cost Center: 00730 / 5013 / H0070 / B0001 / G105289 / 51903
Agency: NASA - National Aeronautics and Space Administration - Stennis Space Center
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 9/15/2012 to 9/14/2015
CFDA: 43.009 Cross Agency Support
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Microfluidic label-free sensing for rapid multiplexed pathogen detection in space missions

Investigator: Liu, Ce Dr. 100%
Award Amount: \$210,000.00
Cost Center: 00730 / 5022 / H0070 / B0001 / G096869 / 42176
Agency: Various Private Profit Agencies
Pass_Thru Agency:
Agency Type: PROFIT
Duration: 9/1/2007 to 8/31/2015
CFDA:
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Well Logging Consortium

Mechanical Engineering

Investigator: Grigoriadis, Karolos M. Dr. 50%
Award Amount: \$6,600.00
Cost Center: 00730 / 5016 / H0073 / B0001 / G101897 / 46709
Agency: Texas A&M Engineering Experiment Station
Pass_Thru Agency: Qatar National Research Fund
Agency Type: FOUNDATION
Duration: 5/11/2010 to 5/10/2013
CFDA:
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Nonlinear Control of Internal Combustion Engine for Fuel Economy and Zero Emissions

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Division of Research
New/Continuation Sponsored Research Grants and Contracts
Fiscal Year 2013 - Received during JANUARY

CULLEN COLLEGE OF ENGINEERING**Mechanical Engineering**

Investigator: Franchek, Matthew Dr. 50%
Award Amount: \$6,600.00
Cost Center: 00730 / 5016 / H0073 / B0001 / G101897 / 46709
Agency: Texas A&M Engineering Experiment Station
Pass_Thru Agency: Qatar National Research Fund
Agency Type: FOUNDATION
Duration: 5/11/2010 to 5/10/2013
CFDA:
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Nonlinear Control of Internal Combustion Engine for Fuel Economy and Zero Emissions

Investigator: Majkic, Goran Dr. 50%
Award Amount: \$49,660.50
Cost Center: 00730 / 5022 / H0452 / B0001 / G099090 / 44962
Agency: Bruker Advanced Supercon
Pass_Thru Agency:
Agency Type: PROFIT
Duration: 6/1/2009 to 12/31/2013
CFDA:
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Evaluation of YBCO Coated Conductor Architectures

Investigator: Grigoriadis, Karolos M. Dr. 50%
Award Amount: \$55,792.00
Cost Center: 00730 / 5016 / H0073 / B0001 / G104796 / 52281
Agency: Texas A&M Engineering Experiment Station
Pass_Thru Agency: Qatar National Research Fund
Agency Type: FOUNDATION
Duration: 10/15/2012 to 10/14/2013
CFDA:
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Automated Identification of Subsea Architectures Via Reduced Order Modeling

UNIVERSITY OF HOUSTON
Division of Research
New/Continuation Sponsored Research Grants and Contracts
Fiscal Year 2013 - Received during JANUARY

CULLEN COLLEGE OF ENGINEERING**Mechanical Engineering**

Investigator: Franchek, Matthew Dr. 50%
Award Amount: \$55,792.00
Cost Center: 00730 / 5016 / H0073 / B0001 / G104796 / 52281
Agency: Texas A&M Engineering Experiment Station
Pass_Thru Agency: Qatar National Research Fund
Agency Type: FOUNDATION
Duration: 10/15/2012 to 10/14/2013
CFDA:
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Automated Identification of Subsea Architectures Via Reduced Order Modeling

Investigator: Grigoriadis, Karolos M. Dr. 50%
Award Amount: \$61,250.00
Cost Center: 00730 / 5016 / H0073 / B0001 / G098149 / 46611
Agency: Texas A&M Engineering Experiment Station
Pass_Thru Agency:
Agency Type: STATE
Duration: 5/11/2010 to 11/11/2013
CFDA:
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Nonlinear Control of Internal Combustion Engine for Fuel Economy and Zero Emissions

Investigator: Franchek, Matthew Dr. 50%
Award Amount: \$61,250.00
Cost Center: 00730 / 5016 / H0073 / B0001 / G098149 / 46611
Agency: Texas A&M Engineering Experiment Station
Pass_Thru Agency:
Agency Type: STATE
Duration: 5/11/2010 to 11/11/2013
CFDA:
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Nonlinear Control of Internal Combustion Engine for Fuel Economy and Zero Emissions

UNIVERSITY OF HOUSTON
Division of Research
New/Continuation Sponsored Research Grants and Contracts
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CULLEN COLLEGE OF ENGINEERING**Nanosystem Manufacturing Center**

Investigator: Shih, Wei-Chuan Dr. 50%
Award Amount: \$100,000.00
Cost Center: 00730 / 5013 / H0070 / B0001 / G105289 / 51903
Agency: NASA - National Aeronautics and Space Administration - Stennis Space Center
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 9/15/2012 to 9/14/2015
CFDA: 43.009 Cross Agency Support
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Microfluidic label-free sensing for rapid multiplexed pathogen detection in space missions

DIVISION OF RESEARCH**Center for Biomedical & Environmental Genomics**

Investigator: Chapman, Barbara M. Dr. 50%
Award Amount: \$32,000.00
Cost Center: 00730 / 5043 / H0546 / B0001 / G105937 / 51951
Agency: UT-Battelle, LLC
Pass_Thru Agency: U.S. Department of Energy
Agency Type: FEDERAL
Duration: 11/1/2012 to 9/30/2013
CFDA: 81.000 Department of Energy
CB Designation: Restricted Research
Project Type: Contract - Research
Project Title: OpenSHMEM: Support for Standardization Effort, Enhanced Reference Implementation, and Publication of Standard

Investigator: Fofanov, Yuriy Dr. 40%
Award Amount: \$20,000.00
Cost Center: 00730 / 5022 / H0546 / B0001 / G105322 / 51037
Agency: Sandia National Laboratories
Pass_Thru Agency:
Agency Type: PROFIT
Duration: 6/1/2012 to 5/30/2013
CFDA:
CB Designation: Restricted Research
Project Type: Contract - Research
Project Title: Development of Bacteriophage Analytical Pipeline

UNIVERSITY OF HOUSTON
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New/Continuation Sponsored Research Grants and Contracts
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DIVISION OF RESEARCH**Center for Neuromotor & Biomechanics Research**

Investigator: O'Connor, Daniel Dr. 5%
Award Amount: \$9,370.49
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 11/2/2013
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: Lowder, Thomas Dr. 10%
Award Amount: \$18,740.97
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 11/2/2013
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: Clarke, Mark Dr. 5%
Award Amount: \$9,370.49
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 11/2/2013
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

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Division of Research
New/Continuation Sponsored Research Grants and Contracts
Fiscal Year 2013 - Received during JANUARY

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

Investigator: Simpson, Richard Dr. 80%
Award Amount: \$149,927.78
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 11/2/2013
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

TcSUH

Investigator: Majkic, Goran Dr. 50%
Award Amount: \$49,660.50
Cost Center: 00730 / 5022 / H0452 / B0001 / G099090 / 44962
Agency: Bruker Advanced Supercon
Pass_Thru Agency:
Agency Type: PROFIT
Duration: 6/1/2009 to 12/31/2013
CFDA:
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Evaluation of YBCO Coated Conductor Architectures

Investigator: Jacobson, Allan J. Dr. 50%
Award Amount: \$6,500.00
Cost Center: 00730 / 5021 / H0452 / B0001 / G097490 / 42709
Agency: Rice University
Pass_Thru Agency:
Agency Type: UNIVERSITY
Duration: 8/1/2008 to 2/5/2013
CFDA: 12.800 Air Force Defense Research Sciences Program
CB Designation: Restricted Research
Project Type: Co-Op Agreement - Research
Project Title: CONTACT (CONsortium for NanomaTerials for Aerospace Commerce and Technology) Program for the U.S. Air Force Research Laboratory

UNIVERSITY OF HOUSTON
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DIVISION OF RESEARCH**TcSUH**

Investigator: Peng, Haibing Dr. 50%
Award Amount: \$25,000.00
Cost Center: 00730 / 5043 / H0112 / B0001 / G106087 / 52243
Agency: Clarkson Aerospace Corporation
Pass_Thru Agency: U.S. Air Force
Agency Type: FEDERAL
Duration: 11/1/2012 to 11/29/2013
CFDA: 19.406 College and University Affiliations Program
CB Designation: Restricted Research
Project Type: Contract - Research
Project Title: Ultrafast Suspended Graphene Nanosensors

Texas Learning/Computation Center

Investigator: Barth, Amy Dr. 10%
Award Amount: \$11,945.70
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 12/31/2013
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

TIMES

Investigator: McIntyre, Maria Teresa Dr. 50%
Award Amount: \$200,000.00
Cost Center: 00730 / 5013 / H0288 / B0001 / G101970 / 48264
Agency: Institute of Educational Sciences
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 3/1/2011 to 2/28/2014
CFDA: 84.305 National Institute on Student Achievement, Curriculum and Assessment
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Using longitudinal and momentary analysis to study the impact of middle school teachers' stress on teacher effectiveness, student behavior and achievement

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Division of Research
New/Continuation Sponsored Research Grants and Contracts
Fiscal Year 2013 - Received during JANUARY

DIVISION OF RESEARCH**TIMES**

Investigator: Barth, Amy Dr. 70%
Award Amount: \$83,619.90
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 12/31/2013
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

GRADUATE COLLEGE OF SOCIAL WORK**Child & Family for Innovative Research**

Investigator: Kao, Dennis Dr. 100%
Award Amount: \$100,000.00
Cost Center: 00730 / 5022 / H0509 / B0100 / G104934 / 52152
Agency: Gerontological Society of America
Pass_Thru Agency:
Agency Type: PROFIT
Duration: 9/1/2012 to 8/31/2014
CFDA:
CB Designation: Non Restricted Research
Project Type: Contract - Research
Project Title: Faculty Scholar Program

SENIOR V.P. FOR ACADEMIC AFFAIRS AND PROVOST**KUHF - Radio**

Investigator: Shumate, Lisa Trapani Ms. 100%
Award Amount: \$602,444.00
Cost Center: 00730 / 5021 / H0018 / C0001 / C106125 / 52271
Agency: Corporation for Public Broadcasting
Pass_Thru Agency:
Agency Type: NON PROFIT
Duration: 10/1/2012 to 9/30/2014
CFDA:
CB Designation: Non Research
Project Type: Grant - Public Service
Project Title: Radio Community Service Grant FY2013

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Division of Research
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SENIOR V.P. FOR ACADEMIC AFFAIRS AND PROVOST

UH Charter School

Investigator: Black, Carolyn Dr. 100%
Award Amount: \$3,084.60
Cost Center: 00730 / 5014 / H0441 / C0001 / C104225 / 49773
Agency: Texas Education Agency
Pass_Thru Agency: USE DED000; U.S. Department of Education
Agency Type: FEDERAL
Duration: 9/1/2011 to 9/30/2013
CFDA: 84.367 Improving Teacher Quality State Grants
CB Designation: Non Research
Project Type: Grant - Public Service
Project Title: Charter School: Title II, Part A FY12

UH SYSTEM

KUHT-TV

Investigator: Shumate, Lisa Trapani Ms. 100%
Award Amount: \$1,412,501.00
Cost Center: 00730 / 5021 / H0436 / C0001 / C106145 / 52269
Agency: Corporation for Public Broadcasting
Pass_Thru Agency:
Agency Type: NON PROFIT
Duration: 10/1/2012 to 9/30/2014
CFDA:
CB Designation: Non Research
Project Type: Grant - Public Service
Project Title: Television Community Service Grant FY2013

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Division of Research
New/Continuation Sponsored Research Grants and Contracts
Fiscal Year 2013 - Received during JANUARY

UH SYSTEM

KUHT-TV

Investigator: Shumate, Lisa Trapani Ms. 100%
Award Amount: \$29,765.00
Cost Center: 00730 / 5021 / H0436 / C0001 / C106144 / 52270
Agency: Corporation for Public Broadcasting
Pass_Thru Agency:
Agency Type: NON PROFIT
Duration: 10/1/2012 to 9/30/2013
CFDA:
CB Designation: Non Research
Project Type: Grant - Public Service
Project Title: Television Interconnection Grant FY2013

REPORTING PERIOD ACTIVITY SUMMARY

Federal Funding: \$2,871,234.32
State Funding: \$122,500.00
Local Funding: \$0.00
Profit Funding: \$2,088,048.50
Non Profit Funding: \$2,054,710.00
Foundation Funding: \$131,784.00
University Funding: \$38,000.00
Total: \$7,306,276.82