UNIVERSITY OF HOUSTON
Division of Research
New/Continuation Sponsored Research Grants and Contracts
Fiscal Year 2014 - Received during DECEMBER

COLLEGE OF EDUCATION

Consistency Mgmt and Coop Disc

Investigator: Freiberg, H. Jerome Dr. 100%
Award Amount: $65,000.00
Cost Center: 00730 / 5019 / H0063 / C0001 / C107445 / 54395
Agency: Aldine Independent School District
Agency Type: LOCAL
Duration: 9/1/2013 to 6/30/2014
CFDA: 00730 / 5019 / H0063 / C0001 / C107445 / 54395
CB Designation: Non Research
Project Type: Contract - Public Service
Project Title: Consistency Management: Aldine ISD Rayford Intermediate

Investigator: Freiberg, H. Jerome Dr. 100%
Award Amount: $100,000.00
Cost Center: 00730 / 5019 / H0063 / B0100 / C107406 / 54392
Agency: Aldine Independent School District
Agency Type: LOCAL
Duration: 7/1/2013 to 6/30/2014
CFDA: 00730 / 5019 / H0063 / B0100 / C107406 / 54392
CB Designation: Non Restricted Research
Project Type: Grant - Research
Project Title: Consistency Management & Cooperative Discipline: Davis 9th Grade, Aldine ISD

Educational Psychology

Investigator: Obasi, Ezemenari Dr. 100%
Award Amount: $477,689.00
Cost Center: 00730 / 5013 / H0064 / B0001 / G106020 / 52816
Agency: National Institute on Drug Abuse
Pass_Thru Agency: National Institute on Drug Abuse
Agency Type: FEDERAL
Duration: 4/1/2013 to 12/31/2014
CFDA: 93.279 Drug Abuse Research Programs
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Stress and Drug Use Vulnerability in the African American Community
COLLEGE OF EDUCATION

Educational Psychology

Investigator: Obasi, Ezemenari Dr. 100%
Award Amount: $34,685.00
Cost Center: 00730 / 5013 / H0064 / B0001 / G106707 / 52817
Agency: National Institute on Drug Abuse
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 4/1/2013 to 12/31/2014
CFDA: 93.279 Drug Abuse Research Programs
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Stress and Drug Use Vulnerability in the African American Community - Participant Support

COLLEGE OF LIBERAL ARTS AND SOCIAL SCIENCES

Arte Publico Press

Investigator: Kanellos, Nicolas Dr. 100%
Award Amount: $6,000.00
Cost Center: 00730 / 5016 / H0093 / C0001 / C106587 / 54250
Agency: Texas Commission on the Arts
Pass_Thru Agency:
Agency Type: STATE
Duration: 9/1/2013 to 8/31/2014
CFDA:
CB Designation: Non Research
Project Type: Grant - Public Service
Project Title: TCA Operational Support

Investigator: Kanellos, Nicolas Dr. 100%
Award Amount: $10,000.00
Cost Center: 00730 / 5021 / H0093 / C0001 / C106699 / 54388
Agency: The Houston Arts Alliance
Pass_Thru Agency:
Agency Type: NON PROFIT
Duration: 4/1/2013 to 2/15/2014
CFDA:
CB Designation: Non Research
Project Type: Grant - Public Service
Project Title: HAA - General Operation Support 2014
COLLEGE OF LIBERAL ARTS AND SOCIAL SCIENCES

Cynthia Woods Mitchell Center for the Arts

Investigator: Farber, Karen Ms.  100%
Award Amount: $4,500.00
Cost Center: 00730 / 5016 / H0473 / B0100 / C107297 / 54051
Agency: Texas Commission on the Arts

Pass_Thru Agency:
Agency Type: STATE
Duration: 9/1/2013 to 8/31/2014
CFDA:
CB Designation: Non Restricted Research
Project Type: Grant - Research
Project Title: Arts Respond Performance Support grant: Sehba Sarwar

Health and Human Performance

Investigator: Layne, Charles S. Dr.  100%
Award Amount: $56,590.56
Cost Center: 00730 / 5043 / H0065 / B0001 / G105747 / 51651
Agency: WYLE Laboratories

Pass_Thru Agency: NASA - National Aeronautics and Space Administration - Johnson Space Center
Agency Type: FEDERAL
Duration: 9/1/2012 to 12/31/2013
CFDA: 43.001 Aerospace Education Services Program
CB Designation: Restricted Research
Project Type: Contract - Research
Project Title: Enhanced Development of the Office of Scientific Data Review and Dissemination - Roxanne Buxton

Investigator: Layne, Charles S. Dr.  100%
Award Amount: $12,400.00
Cost Center: 00730 / 5043 / H0065 / B0001 / G105746 / 51650
Agency: WYLE Laboratories

Pass_Thru Agency: NASA - National Aeronautics and Space Administration - Johnson Space Center
Agency Type: FEDERAL
Duration: 9/1/2012 to 12/31/2013
CFDA: 43.001 Aerospace Education Services Program
CB Designation: Restricted Research
Project Type: Contract - Research
Project Title: Enhanced Development of the Office of Scientific Data Review and Dissemination - Stephanie Bassett
### Health and Human Performance

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### Health and Human Performance

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### Health and Human Performance

**Investigator:** Layne, Charles S. Dr.  
**Award Amount:** $58,649.76  
**Cost Center:** 00730 / 5043 / H0065 / B0001 / G105748 / S1652  
**Agency:** WYLE Laboratories  
**Pass_Thru Agency:** NASA - National Aeronautics and Space Administration - Johnson Space Center  
**Agency Type:** FEDERAL  
**Duration:** 9/1/2012 to 12/31/2013  
**CFDA:** 43.001 Aerospace Education Services Program  
**CB Designation:** Restricted Research  
**Project Type:** Contract - Research  
**Project Title:** Enhanced Development of the Office of Scientific Data Review and Dissemination - Elizabeth Goetchius

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### Psychology

**Investigator:** Fletcher, Jack Dr.  
**Award Amount:** $9,941.20  
**Cost Center:** 00730 / 5013 / H0288 / B0001 / G107189 / S3593  
**Agency:** George Washington University  
**Pass_Thru Agency:** National Institute of Child Health and Human Development  
**Agency Type:** FEDERAL  
**Duration:** 7/1/2013 to 6/30/2014  
**CFDA:** 93.865 Center for Research for Mothers and Children  
**CB Designation:** Restricted Research  
**Project Type:** Grant - Research  
**Project Title:** A Follow-Up of Children Enrolled in the Management of Myelomeningocele Study

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**Investigator:** Barth, Amy Dr.  
**Award Amount:** $0.21  
**Cost Center:** 00730 / 5013 / H0288 / B0001 / G103426 / S0169  
**Agency:** National Institute of Child Health and Human Development  
**Pass_Thru Agency:** FEDERAL  
**Duration:** 1/2/2012 to 8/31/2013  
**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 LIBERAL ARTS AND SOCIAL SCIENCES

Psychology

Investigator: Stuebing, Karla Dr. 3%
Award Amount: $47,835.30
Cost Center: 00730 / 5013 / H0288 / B0001 / G103717 / 49978
Agency: National Institute of Child Health and Human Development
Pass_Thru Agency: 
Agency Type: FEDERAL
Duration: 12/1/2011 to 11/30/2016
CFDA: 93.865 Center for Research for Mothers and Children
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Learning Disabilities Research Center

Investigator: Francis, David Dr. 3%
Award Amount: $47,835.30
Cost Center: 00730 / 5013 / H0288 / B0001 / G103717 / 49978
Agency: National Institute of Child Health and Human Development
Pass_Thru Agency: 
Agency Type: FEDERAL
Duration: 12/1/2011 to 11/30/2016
CFDA: 93.865 Center for Research for Mothers and Children
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Learning Disabilities Research Center

Investigator: Taylor, Pat Dr. 20%
Award Amount: $20,338.80
Cost Center: 00730 / 5013 / H0288 / B0001 / G104366 / 51745
Agency: Georgia State University
Pass_Thru Agency: Institute of Educational Sciences
Agency Type: FEDERAL
Duration: 9/1/2012 to 8/31/2014
CFDA: 84.305 National Institute on Student Achievement, Curriculum and Assessment
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: The Roles of Instruction and Component Skills in Reading Achievement
### Psychology

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COLLEGE OF NATURAL SCIENCES AND MATHEMATICS

Chemistry

Investigator: Gilbertson, Scott Dr. 100%
Award Amount: $241,724.00
Cost Center: 00730 / 5015 / H0107 / B0001 / G105921 / 54393
Agency: University of Texas Medical Branch at Galveston
Pass_Thru Agency: National Institutes of Health
Agency Type: FEDERAL
Duration: 9/1/2013 to 4/30/2014
CFDA: 93.279 Drug Abuse Research Programs
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: NOVEL PROBES FOR THE STUDY OF 5-HT2AR: 5-HT2CR BALANCE AND DIMERIZATION

Computer Science

Investigator: Garbey, Marc Dr. 100%
Award Amount: $110,724.00
Cost Center: 00730 / 5013 / H0108 / B0001 / G105852 / 53764
Agency: University of Florida
Pass_Thru Agency: National Institutes of Health
Agency Type: FEDERAL
Duration: 8/8/2013 to 6/30/2014
CFDA: 93.837 Heart and Vascular Diseases Research
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Constitutive and Agent-Based Multiscale Models to Improve Vein Graft Survival

Investigator: Garbey, Marc Dr. 100%
Award Amount: $50,000.00
Cost Center: 00730 / 5022 / H0108 / B0001 / C106511 / 52697
Agency: Mixed Multi-Donors
Pass_Thru Agency: PROFIT
Agency Type: PROFIT
Duration: 2/1/2013 to 1/31/2018
CFDA: 93.837 Heart and Vascular Diseases Research
CB Designation: Restricted Research
Project Type: Special Research Agreement - Research
Project Title: Industry Membership- Full Center Grant: I/UCRC for Cyber-Physical Systems for the Hospital Operating Room
Earth & Atmospheric Sciences

Investigator: Choi, Yunsoo 100%
Award Amount: $55,145.00
Cost Center: 00730 / 5018 / H0109 / B0001 / G107011 / 54256
Agency: Lamar University/Texas Air Research Center
Pass_Thru Agency: State of Texas
Agency Type: STATE
Duration: 9/1/2013 to 7/15/2015
CFDA: 00730 / 5018 / H0109 / B0001 / G107011 / 54256
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Impact of uncertainties in NO2 and HONO emissions and chemistry on radicals and ozone in southeast Texas

Mann, Paul Dr. 100%
Investigator:
Award Amount: $120,000.00
Cost Center: 00730 / 5022 / H0109 / B0001 / C106782 / 52937
Agency: Various Private Profit Agencies
Pass_Thru Agency: PROFIT
Agency Type: PROFIT
Duration: 9/1/2012 to 8/31/2014
CFDA: 00730 / 5022 / H0109 / B0001 / C106782 / 52937
CB Designation: Restricted Research
Project Type: Contract - Research
Project Title: Caribbean Basins, Tectonics, and Hydrocarbons - Phase III

Physics

Investigators:
Freundlich, Alexandre Dr. 50%
Investigator:
Award Amount: $24,997.50
Cost Center: 00730 / 5043 / H0453 / B0001 / C107238 / 54324
Agency: NASA - National Aeronautics and Space Administration - Langley Research Center
Pass_Thru Agency: FEDERAL
Agency Type: FEDERAL
Duration: 7/16/2013 to 1/17/2014
CFDA: 43.000 National Aeronautics and Space Administration
CB Designation: Restricted Research
Project Type: Contract - Research
Project Title: USE AND SERVICE OF FACILITY FOR COMPOUND SEMICONDUCTOR EPILAYE
### COLLEGE OF NATURAL SCIENCES AND MATHEMATICS

**Physics**

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### COLLEGE OF PHARMACY

**Clinical Sciences and Administration**

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## Construction Management

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## Dean, Technology

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<td>Methodist Hospital Research Institute</td>
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<td>5/1/2013 to 12/31/2013</td>
<td>00730 / 5021 / H0136 / B0001 / G106761 / 54096</td>
<td>Design and Development of an Imaging System for Intra &amp; Post Operative Blood Perfusion Monitoring</td>
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COLLEGE OF TECHNOLOGY

Engineering Technology

Investigator: Gurkan, Deniz Dr. 100%
Award Amount: $43,659.00
Cost Center: 00730 / 5043 / H0139 / B0001 / G106754 / 54336
Agency: BBN Technologies Corp.
Pass_Thru Agency: National Science Foundation
Agency Type: FEDERAL
Duration: 10/1/2013 to 9/30/2014
CFDA: 00730 / 5043 / H0139 / B0001 / G106754 / 54336
Project Type: Contract - Research
Project Title: GENI as a Research & Development Lab: Advanced Experiments and Industry-partnered Sustainability

CULLEN COLLEGE OF ENGINEERING

Biomedical Engineering

Investigator: Mohan, Chandra Dr. 100%
Award Amount: $4,098.00
Cost Center: 00730 / 5013 / H0071 / B0001 / G107503 / 54328
Agency: National Institute of Arthritis and Musculoskeletal and Skin Diseases
Pass_Thru Agency: National Institute of Arthritis and Musculoskeletal and Skin Diseases
Agency Type: FEDERAL
Duration: 8/1/2013 to 5/31/2014
CFDA: 00730 / 5013 / H0071 / B0001 / G107503 / 54328
Project Type: Grant - Research
Project Title: Immunogenetics of Antibody Induced Nephritis

Investigator: Mohan, Chandra Dr. 100%
Award Amount: $204,333.00
Cost Center: 00730 / 5013 / H0071 / B0001 / G107489 / 54415
Agency: National Institute of Arthritis and Musculoskeletal and Skin Diseases
Pass_Thru Agency: National Institute of Arthritis and Musculoskeletal and Skin Diseases
Agency Type: FEDERAL
Duration: 8/1/2013 to 3/31/2014
CFDA: 00730 / 5013 / H0071 / B0001 / G107489 / 54415
Project Type: Grant - Research
Project Title: Lupus Genes and B-Cell Signaling
## Biomedical Engineering

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## Chemical Engineering

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## Chemical Engineering

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CULLEN COLLEGE OF ENGINEERING

Chemical Engineering

Investigator: Vekilov, Peter Dr.  
Award Amount: $118,767.00  
Cost Center: 00730 / 5013 / H0067 / B0001 / G105331 / 53937  
Agency: Brown University  
Pass_Thru Agency: National Heart, Lung, and Blood Institute  
Agency Type: FEDERAL  
Duration: 1/1/2013 to 5/31/2014  
CFDA: 93.839 Blood Diseases and Resources Research  
CB Designation: Restricted Research  
Project Type: Grant - Research  
Project Title: Multiscale Modeling of Sickle Cell Anemia: Methods and Validation

Investigator: Rimer, Jeffrey Dr.  
Award Amount: $80,059.00  
Cost Center: 00730 / 5022 / H0067 / B0001 / C107559 / 54403  
Agency: Shell Oil Company  
Pass_Thru Agency:  
Agency Type: PROFIT  
Duration: 1/1/2014 to 12/31/2014  
CFDA:  
CB Designation: Restricted Research  
Project Type: Contract - Research  
Project Title: Tailored Zeolite Synthesis

Investigator: Grabow, Lars Dr.  
Award Amount: $125,000.00  
Cost Center: 00730 / 5022 / H0067 / B0001 / C107434 / 54394  
Agency: SABIC Americas, Inc.  
Pass_Thru Agency:  
Agency Type: PROFIT  
Duration: 1/1/2014 to 12/31/2016  
CFDA:  
CB Designation: Restricted Research  
Project Type: Contract - Research  
Project Title: Role of Oxidizing Agent for Methane Activation
# Chemical Engineering

**Investigator:** Epling, William Dr.  
**Award Amount:** $125,000.00  
**Cost Center:** 00730 / 5022 / H0067 / B0001 / C107434 / 54394  
**Agency:** SABIC Americas, Inc.  
**Pass_Thru Agency:** PROFIT  
**Duration:** 1/1/2014 to 12/31/2016  
**CFDA:** 00730 / 5022 / H0067 / B0001 / C107434 / 54394  
**Project Title:** Role of Oxidizing Agent for Methane Activation

# Civil Engineering

**Investigator:** Chellam, Shankar Dr.  
**Award Amount:** $40,000.00  
**Cost Center:** 00730 / 5018 / H0068 / B0001 / G106822 / 54226  
**Agency:** Lamar University  
**Pass_Thru Agency:** Lamar University (THWRC)  
**Duration:** 9/1/2013 to 7/15/2015  
**CFDA:** 00730 / 5018 / H0068 / B0001 / G106822 / 54226  
**Project Title:** Enhanced removal of viruses and pharmaceuticals and personal care products by a hybrid electrofloation-microfiltration process

# Geosciences

**Investigator:** Glennie, Craig Dr.  
**Award Amount:** $38,665.60  
**Cost Center:** 00730 / 5013 / H0068 / B0001 / G106637 / 53710  
**Agency:** National Science Foundation  
**Pass_Thru Agency:** FEDERAL  
**Duration:** 8/1/2013 to 7/31/2018  
**CFDA:** 47.050 Geosciences  
**Project Title:** Collaborative Research: Facility Support to Renew Operation of the National Center for Airborne Laser Mapping (NCALM)
### Civil Engineering

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UNIVERSITY OF HOUSTON  
Division of Research  
New/Continuation Sponsored Research Grants and Contracts  
Fiscal Year 2014 - Received during DECEMBER

CULLEN COLLEGE OF ENGINEERING

Electrical & Computer Engineering

Investigator: Yao, Yan Dr.  70%
Award Amount: $532,000.00
Cost Center: 00730 / 5013 / H0070 / B0001 / G107044 / 54334
Pass_Thru Agency: FEDERAL
Agency Type: Advanced Research and Projects Agency - Energy Financial
Duration: 11/13/2013 to 11/12/2014
CFDA: 81.135
Project Type: Co-Op Agreement - Research
Project Title: Aqueous Lithium-Ion Batteries with High-Energy Novel Organic Anodes for Safe and Robust Energy Storage

Investigator: Shih, Wei-Chuan Dr.  70%
Award Amount: $167,519.10
Cost Center: 00730 / 5021 / H0070 / B0001 / G105128 / 51968
Agency: Gulf of Mexico Alliance, Inc.
Pass_Thru Agency: NON PROFIT
Agency Type: Restricted Research
Duration: 10/1/2012 to 12/31/2014
Project Type: Grant - Research
Project Title: Novel sensor system for the early detection and monitoring of offshore oil spills

Investigator: Han, Zhu Dr.  15%
Award Amount: $35,896.95
Cost Center: 00730 / 5021 / H0070 / B0001 / G105128 / 51968
Agency: Gulf of Mexico Alliance, Inc.
Pass_Thru Agency: NON PROFIT
Agency Type: Restricted Research
Duration: 10/1/2012 to 12/31/2014
Project Type: Grant - Research
Project Title: Novel sensor system for the early detection and monitoring of offshore oil spills
UNIVERSITY OF HOUSTON
Division of Research
New/Continuation Sponsored Research Grants and Contracts
Fiscal Year 2014 - Received during DECEMBER

CULLEN COLLEGE OF ENGINEERING

Mechanical Engineering

Investigator: Grigoriadis, Karolos M. Dr.  50%
Award Amount: $60,000.00
Cost Center: 00730 / 5022 / H0073 / B0001 / C107723 / 54493
Agency: Transocean
Pass_Thru Agency:
Agency Type: PROFIT
Duration: 9/1/2013 to 5/31/2014
CFDA:
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Support for Development of a Mini-BOP Mock System

Investigator: Song, Gangbing Dr.  100%
Award Amount: $61,344.94
Cost Center: 00730 / 5016 / H0073 / B0001 / G103069 / 51021
Agency: Texas A&M Engineering Experiment Station
Pass_Thru Agency: Qatar National Research Fund
Agency Type: FOUNDATION
Duration: 1/15/2012 to 1/15/2015
CFDA:
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Hands-on Experiment via Internet - To Develop a Unified Remote Laboratory Framework for Cross Nation Engineering Education

Investigator: Song, Gangbing Dr.  100%
Award Amount: $113,944.90
Cost Center: 00730 / 5016 / H0073 / B0001 / G105314 / 51009
Agency: Texas A&M Engineering Experiment Station
Pass_Thru Agency: Qatar National Research Fund
Agency Type: FOUNDATION
Duration: 1/15/2012 to 1/15/2015
CFDA:
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Hands-on Experiment via Internet - To Develop a Unified Remote Laboratory Framework for Cross Nation Engineering Education-Inside Qatar
CULLEN COLLEGE OF ENGINEERING

Mechanical Engineering

Investigator: Franchek, Matthew Dr. 50%
Award Amount: $60,000.00
Cost Center: 00730 / 5022 / H0073 / B0001 / C107723 / 54493
Agency: Transocean
Pass_Thru Agency:
Agency Type: PROFIT
Duration: 9/1/2013 to 5/31/2014
CFDA:
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Support for Development of a Mini-BOP Mock System

Investigator: Hadjiev, Viktor Dr. 30%
Award Amount: $7,500.00
Cost Center: 00730 / 5043 / H0452 / B0001 / G107520 / 54264
Agency: Clarkson Aerospace Corporation
Pass_Thru Agency: U.S. Air Force Research Laboratory
Agency Type: FEDERAL
Duration: 9/3/2013 to 12/31/2014
CFDA: 12.800 Air Force Defense Research Sciences Program
CB Designation: Restricted Research
Project Type: Contract - Research
Project Title: AFRL COLLABORATION PROGRAM - MATERIALS and MANUFACTURING RESEARCH
Raman Microscopy Characterization and Computational Simulations of Refractory Matrices and Nanocrystalline Carbides

DIVISION OF RESEARCH

Center for Advanced Computing and Data Systems

Investigator: Barth, Amy Dr. 10%
Award Amount: $0.10
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 8/31/2013
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
### Center for Advanced Materials

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### Center for Neuromotor & Biomechanics Research

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### Additional Grant Information

- **Investigator:** Simpson, Richard Dr.  
  **Award Amount:** $28,000.00  
  **Cost Center:** 00730 / 5013 / H0521 / B0001 / G102913 / 50107  
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**Center for Neuromotor & Biomechanics Research**

**Investigator:** O'Connor, Daniel Dr.  
**Award Amount:** $1,750.00  
**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 11/2/2015  
**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.  
**Award Amount:** $3,500.00  
**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 11/2/2015  
**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:** Yao, Yan Dr.  
**Award Amount:** $228,000.00  
**Cost Center:** 00730 / 5013 / H0070 / B0001 / G107044 / 54334  
**Pass_Thru Agency:**  
**Agency Type:** FEDERAL  
**Duration:** 11/13/2013 to 11/12/2014  
**CFDA:** 81.135  
**Advanced Research and Projects Agency - Energy Financial**  
**CB Designation:** Restricted Research  
**Project Type:** Co-Op Agreement - Research  
**Project Title:** Aqueous Lithium-Ion Batteries with High-Energy Novel Organic Anodes for Safe and Robust Energy Storage
Investigator: Hadjiev, Viktor Dr.  70%
Award Amount: $17,500.00
Cost Center: 00730 / 5043 / H0452 / B0001 / G107520 / 54264
Agency: Clarkson Aerospace Corporation
Pass_Thru Agency: U.S. Air Force Research Laboratory
Agency Type: FEDERAL
Duration: 9/3/2013 to 12/31/2014
CFDA: 12.800  Air Force Defense Research Sciences Program
CB Designation: Restricted Research
Project Type: Contract - Research
Project Title: AFRL COLLABORATION PROGRAM - MATERIALS and MANUFACTURING RESEARCH Raman Microscopy Characterization and Computational Simulations of Refractory Matrices and Nanocrystalline Carbides

Investigator: Chu, Ching-Wu Dr.  50%
Award Amount: $250,000.00
Cost Center: 00730 / 5013 / H0452 / B0001 / G100317 / 45245
Pass_Thru Agency: FEDERAL
Duration: 9/15/2009 to 9/14/2014
CFDA: 12.800  Air Force Defense Research Sciences Program
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Search for and Study of Novel Superconductor with Higher Tc and Jc

Investigator: Moeller, Angela Dr.  50%
Award Amount: $56,216.50
Cost Center: 00730 / 5013 / H0107 / B0001 / G104098 / 50130
Agency: National Science Foundation
Pass_Thru Agency: 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
### Investigators

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<td>9/1/2012 to 8/31/2014</td>
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### DIVISION OF RESEARCH

**Investigator:** Stuebing, Karla Dr.  
**Award Amount:** $191,341.20  
**Cost Center:** 00730 / 5013 / H0288 / B0001 / G103717 / 49978  
**Agency:** National Institute of Child Health and Human Development  
**Agency Type:**  
**Pass_Thru Agency:**  
**Duration:** 12/1/2011 to 11/30/2016  
**CFDA:** 93.865  
**Center for Research for Mothers and Children**  
**Project Type:** Grant - Research  
**Project Title:** Learning Disabilities Research Center

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### HILTON COLLEGE OF HOTEL AND RESTAURANT MANAGEMENT

**Investigator:** Sirsat, Sujata Dr.  
**Award Amount:** $71,616.00  
**Cost Center:** 00730 / 5013 / H0081 / B0001 / G106113 / 54399  
**Agency:** University of Arkansas  
**Agency Type:** FEDERAL  
**Pass_Thru Agency:** U.S. Department of Agriculture  
**Duration:** 9/1/2013 to 8/31/2016  
**CFDA:** 10.310  
**Agriculture and Food Research Initiative (AFRI)**  
**CB Designation:** Restricted Research  
**Project Type:** Grant - Research  
**Project Title:** Enhancing Farmers Market Food Safety Practices for Fresh Produce Handling

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**Investigator:** Neal, Jack Dr.  
**Award Amount:** $71,616.00  
**Cost Center:** 00730 / 5013 / H0081 / B0001 / G106113 / 54399  
**Agency:** University of Arkansas  
**Agency Type:** FEDERAL  
**Pass_Thru Agency:** U.S. Department of Agriculture  
**Duration:** 9/1/2013 to 8/31/2016  
**CFDA:** 10.310  
**Agriculture and Food Research Initiative (AFRI)**  
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UH LAW CENTER

Investigator: Dow, David Dr. 100%
Award Amount: $200,000.00
Cost Center: 00730 / 5016 / H0099 / C0001 / G107506 / S4298
Agency: Office of Court Administration
Pass_Thru Agency:
Agency Type: STATE
Duration: 9/1/2013 to 8/31/2015
CFDA: 00730 / 5016 / H0099 / C0001 / G107506 / S4298
CB Designation: Non Research
Project Type: Grant - Public Service
Project Title: Texas Innocence FY 2014-2015

UH SYSTEM

KUHT-TV

Investigator: Shumate, Lisa Trapani Ms. 100%
Award Amount: $1,462,025.00
Cost Center: 00730 / 5021 / H0436 / C0001 / C107603 / S4473
Agency: Corporation for Public Broadcasting
Pass_Thru Agency:
Agency Type: NON PROFIT
Duration: 10/1/2013 to 9/30/2015
CFDA:
CB Designation: Non Research
Project Type: Grant - Public Service
Project Title: Television Community Service Grant 2014

REPORTING PERIOD ACTIVITY SUMMARY

Federal Funding: $5,465,078.27
State Funding: $390,567.00
Local Funding: $165,000.00
Profit Funding: $804,163.00
Non Profit Funding: $1,731,338.00
Foundation Funding: $175,289.84
University Funding: $3,000.00
Total: $8,734,436.11