

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

**COLLEGE OF ARCHITECTURE****Architecture**

**Investigator:** Rogers, Susan Dr. 100%  
**Award Amount:** \$25,000.00  
**Cost Center:** 00730 / 5013 / H0025 / C0001 / G105673 / 53525  
**Agency:** National Endowment for the Arts  
**Pass\_Thru Agency:**  
**Agency Type:** FEDERAL  
**Duration:** 6/1/2013 to 9/30/2015  
**CFDA:** 45.024 Promotion of the Arts  
**CB Designation:** Non Research  
**Project Type:** Grant - Public Service  
**Project Title:** Collaborative Community Design Initiative, No. 3

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**COLLEGE OF EDUCATION****Educational Psychology**

**Investigator:** Arbona, Consuelo Dr. 100%  
**Award Amount:** \$1,490.00  
**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 5/31/2013  
**CFDA:**  
**CB Designation:** Non Restricted Research  
**Project Type:** Grant - Research  
**Project Title:** Educational Psychology Assistantship: Corey Heath

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**COLLEGE OF LIBERAL ARTS AND SOCIAL SCIENCES****Arte Publico Press**

**Investigator:** Kanellos, Nicolas Dr. 100%  
**Award Amount:** \$25,000.00  
**Cost Center:** 00730 / 5013 / H0093 / B0100 / G105122 / 53030  
**Agency:** National Endowment for the Arts  
**Pass\_Thru Agency:**  
**Agency Type:** FEDERAL  
**Duration:** 1/1/2013 to 12/31/2014  
**CFDA:** 45.025 Promotion of the Arts\_Partnership Agreements  
**CB Designation:** Non Restricted Research  
**Project Type:** Grant - Research  
**Project Title:** NEA GAP: Art Works, FY2013

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**COLLEGE OF LIBERAL ARTS AND SOCIAL SCIENCES****Arte Publico Press**

**Investigator:** Kanellos, Nicolas Dr. 100%  
**Award Amount:** \$2,535.00  
**Cost Center:** 00730 / 5016 / H0093 / B0100 / C106320 / 53484  
**Agency:** Texas Commission on the Arts  
**Pass\_Thru Agency:**  
**Agency Type:** STATE  
**Duration:** 4/1/2013 to 8/31/2013  
**CFDA:**  
**CB Designation:** Non Restricted Research  
**Project Type:** Grant - Research  
**Project Title:** TCA-HEALTH & HUMAN SERVICES: Hispanic Children's Wellness Books

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**Communication Disorders**

**Investigator:** Bunta, Ferenc Dr. 96%  
**Award Amount:** \$144,400.32  
**Cost Center:** 00730 / 5013 / H0087 / B0001 / G105999 / 53505  
**Agency:** National Institute on Deafness and Other Communication Disorders  
**Pass\_Thru Agency:**  
**Agency Type:** FEDERAL  
**Duration:** 8/1/2013 to 7/31/2016  
**CFDA:** 93.173 Research Related to Deafness and Communication Disorders  
**CB Designation:** Restricted Research  
**Project Type:** Grant - Research  
**Project Title:** Phonological acquisition in bilingual children with cochlear implants

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**Economics**

**Investigator:** Liu, Elaine Dr. 100%  
**Award Amount:** \$141,899.60  
**Cost Center:** 00730 / 5021 / H0122 / B0001 / G103817 / 51386  
**Agency:** Economic and Social Research Council  
**Pass\_Thru Agency:**  
**Agency Type:** NON PROFIT  
**Duration:** 4/25/2012 to 1/31/2014  
**CFDA:**  
**CB Designation:** Restricted Research  
**Project Type:** Grant - Research  
**Project Title:** Rural Property Rights, Returns to Scale and Contracts in China

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**COLLEGE OF LIBERAL ARTS AND SOCIAL SCIENCES****Health and Human Performance**

**Investigator:** Layne, Charles S. Dr. 100%  
**Award Amount:** \$72,092.10  
**Cost Center:** 00730 / 5043 / H0065 / B0001 / G105755 / 51658  
**Agency:** WYLE Laboratories  
**Pass\_Thru Agency:** NASA - National Aeronautics and Space Administration - Johnson Space Center  
**Agency Type:** FEDERAL  
**Duration:** 9/1/2012 to 9/30/2013  
**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 - Jordan Rhone

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**Investigator:** Layne, Charles S. Dr. 100%  
**Award Amount:** \$53,640.00  
**Cost Center:** 00730 / 5043 / H0065 / B0001 / G105752 / 51655  
**Agency:** WYLE Laboratories  
**Pass\_Thru Agency:** NASA - National Aeronautics and Space Administration - Johnson Space Center  
**Agency Type:** FEDERAL  
**Duration:** 9/1/2012 to 9/30/2013  
**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 - Mary Anne Frey

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**Investigator:** Layne, Charles S. Dr. 100%  
**Award Amount:** \$68,786.78  
**Cost Center:** 00730 / 5043 / H0065 / B0001 / G105751 / 51654  
**Agency:** WYLE Laboratories  
**Pass\_Thru Agency:** NASA - National Aeronautics and Space Administration - Johnson Space Center  
**Agency Type:** FEDERAL  
**Duration:** 9/1/2012 to 9/30/2013  
**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 - John Flores-McLaughlin

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**COLLEGE OF LIBERAL ARTS AND SOCIAL SCIENCES****Health and Human Performance**

**Investigator:** Layne, Charles S. Dr. 100%  
**Award Amount:** \$68,335.35  
**Cost Center:** 00730 / 5043 / H0065 / B0001 / G105749 / 51653  
**Agency:** WYLE Laboratories  
**Pass\_Thru Agency:** NASA - National Aeronautics and Space Administration - Johnson Space Center  
**Agency Type:** FEDERAL  
**Duration:** 9/1/2012 to 9/30/2013  
**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 - Meghan Everett

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**Investigator:** Layne, Charles S. Dr. 100%  
**Award Amount:** \$60,214.05  
**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 9/30/2013  
**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

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**Investigator:** Layne, Charles S. Dr. 100%  
**Award Amount:** \$71,150.18  
**Cost Center:** 00730 / 5043 / H0065 / B0001 / G105750 / 51662  
**Agency:** WYLE Laboratories  
**Pass\_Thru Agency:** NASA - National Aeronautics and Space Administration - Johnson Space Center  
**Agency Type:** FEDERAL  
**Duration:** 9/1/2012 to 9/30/2013  
**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 - Charles Picco

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**COLLEGE OF LIBERAL ARTS AND SOCIAL SCIENCES****Health and Human Performance**

**Investigator:** Layne, Charles S. Dr. 100%  
**Award Amount:** \$45,966.00  
**Cost Center:** 00730 / 5043 / H0065 / B0001 / G105759 / 51663  
**Agency:** WYLE Laboratories  
**Pass\_Thru Agency:** NASA - National Aeronautics and Space Administration - Johnson Space Center  
**Agency Type:** FEDERAL  
**Duration:** 9/1/2012 to 9/30/2013  
**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 - Mitzi Laughlin

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**Modern/Classical Languages**

**Investigator:** Wen, Sharon Dr. 100%  
**Award Amount:** \$92,050.80  
**Cost Center:** 00730 / 5013 / H0092 / A0001 / G106017 / 53061  
**Agency:** National Security Agency  
**Pass\_Thru Agency:**  
**Agency Type:** FEDERAL  
**Duration:** 4/18/2013 to 2/28/2014  
**CFDA:** 12.900 Language Grant Program  
**CB Designation:** Non Research  
**Project Type:** Grant - Instruction  
**Project Title:** STARTALK Texas Teacher Program at the University of Houston

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**Psychology**

**Investigator:** Massman, Paul Dr. 100%  
**Award Amount:** \$38,584.00  
**Cost Center:** 00730 / 5021 / H0125 / B0100 / G105714 / 51719  
**Agency:** Texas Children's Hospital  
**Pass\_Thru Agency:**  
**Agency Type:** NON PROFIT  
**Duration:** 9/1/2012 to 8/31/2013  
**CFDA:**  
**CB Designation:** Non Restricted Research  
**Project Type:** Grant - Research  
**Project Title:** Clinical Neuropsychology Training-BCM/TCH Blue Bird Circle Clinic-Chapieski

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

**Investigator:** Hernandez, Arturo Dr. 2%  
**Award Amount:** \$3,008.34  
**Cost Center:** 00730 / 5013 / H0087 / B0001 / G105999 / 53505  
**Agency:** National Institute on Deafness and Other Communication Disorders  
**Pass\_Thru Agency:**  
**Agency Type:** FEDERAL  
**Duration:** 8/1/2013 to 7/31/2016  
**CFDA:** 93.173 Research Related to Deafness and Communication Disorders  
**CB Designation:** Restricted Research  
**Project Type:** Grant - Research  
**Project Title:** Phonological acquisition in bilingual children with cochlear implants

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**Investigator:** Francis, David Dr. 2%  
**Award Amount:** \$3,008.34  
**Cost Center:** 00730 / 5013 / H0087 / B0001 / G105999 / 53505  
**Agency:** National Institute on Deafness and Other Communication Disorders  
**Pass\_Thru Agency:**  
**Agency Type:** FEDERAL  
**Duration:** 8/1/2013 to 7/31/2016  
**CFDA:** 93.173 Research Related to Deafness and Communication Disorders  
**CB Designation:** Restricted Research  
**Project Type:** Grant - Research  
**Project Title:** Phonological acquisition in bilingual children with cochlear implants

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**Investigator:** Tian, Siva Dr. 45%  
**Award Amount:** \$11,241.00  
**Cost Center:** 00730 / 5013 / H0288 / B0001 / G104505 / 51659  
**Agency:** National Science Foundation  
**Pass\_Thru Agency:**  
**Agency Type:** FEDERAL  
**Duration:** 9/1/2012 to 8/31/2015  
**CFDA:** 47.049 Mathematical and Physical Sciences  
**CB Designation:** Restricted Research  
**Project Type:** Grant - Research  
**Project Title:** Collaborative Research: New Developments for Analysis of Two-Way Structured Functional Data

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

**Investigator:** Knee, C. Raymond Dr. 50%  
**Award Amount:** \$15,616.00  
**Cost Center:** 00730 / 5013 / H0125 / B0001 / G104219 / 49518  
**Agency:** NIH/Center for Scientific Review  
**Pass\_Thru Agency:**  
**Agency Type:** FEDERAL  
**Duration:** 8/5/2011 to 8/9/2014  
**CFDA:** 93.273 Alcohol Research Programs  
**CB Designation:** Restricted Research  
**Project Type:** Grant - Research  
**Project Title:** F31 Fellowship for Lindsey Rodriguez: Problematic Drinking and Relationship Distress in Married Couples

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**Investigator:** Massman, Paul Dr. 100%  
**Award Amount:** \$1,102.00  
**Cost Center:** 00730 / 5016 / H0125 / B0100 / G105715 / 51715  
**Agency:** University of Texas Health Science Center at Houston  
**Pass\_Thru Agency:**  
**Agency Type:** STATE  
**Duration:** 9/1/2012 to 8/31/2013  
**CFDA:**  
**CB Designation:** Non Restricted Research  
**Project Type:** Grant - Research  
**Project Title:** Clinical Neuropsychology Training-UTHSCH Breier: Student-V.Williams

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**Investigator:** Neighbors, Clayton Dr. 50%  
**Award Amount:** \$15,616.00  
**Cost Center:** 00730 / 5013 / H0125 / B0001 / G104219 / 49518  
**Agency:** NIH/Center for Scientific Review  
**Pass\_Thru Agency:**  
**Agency Type:** FEDERAL  
**Duration:** 8/5/2011 to 8/9/2014  
**CFDA:** 93.273 Alcohol Research Programs  
**CB Designation:** Restricted Research  
**Project Type:** Grant - Research  
**Project Title:** F31 Fellowship for Lindsey Rodriguez: Problematic Drinking and Relationship Distress in Married Couples

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

**Investigator:** Stewart, M. David Dr. 100%  
**Award Amount:** \$70,000.00  
**Cost Center:** 00730 / 5021 / H0104 / B0001 / G104885 / 51431  
**Agency:** American Heart Association-SouthWest Affiliate  
**Pass\_Thru Agency:**  
**Agency Type:** NON PROFIT  
**Duration:** 7/1/2012 to 6/30/2014  
**CFDA:**  
**CB Designation:** Restricted Research  
**Project Type:** Grant - Research  
**Project Title:** Defining the function of Ets1 and Ets2 in cardiovascular development

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**Investigator:** Chen, Li 100%  
**Award Amount:** \$77,000.00  
**Cost Center:** 00730 / 5021 / H0104 / B0001 / G105534 / 51595  
**Agency:** American Heart Association - National Center  
**Pass\_Thru Agency:**  
**Agency Type:** NON PROFIT  
**Duration:** 7/1/2012 to 6/30/2016  
**CFDA:**  
**CB Designation:** Restricted Research  
**Project Type:** Grant - Research  
**Project Title:** Epigenetic Regulation of Cardiac Lineage Specification

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**Investigator:** Widger, William R. Dr. 100%  
**Award Amount:** \$10,000.00  
**Cost Center:** 00730 / 5022 / H0104 / B0001 / C106639 / 53363  
**Agency:** Celanese International Corp  
**Pass\_Thru Agency:**  
**Agency Type:** PROFIT  
**Duration:** 6/7/2013 to 6/6/2014  
**CFDA:**  
**CB Designation:** Restricted Research  
**Project Type:** Grant - Research  
**Project Title:** Analysis of Industrial Metagenomics and Analysis of Bacterial-Induced Corrosion and Biofouling

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**COLLEGE OF NATURAL SCIENCES AND MATHEMATICS****Center for Nuclear Receptors and Cell Signaling**

**Investigator:** Gustafsson, Jan-Ake Dr. 50%  
**Award Amount:** \$45,099.50  
**Cost Center:** 00730 / 5013 / H0515 / B0001 / G103783 / 51230  
**Agency:** National Institute of Environmental Health Sciences  
**Pass\_Thru Agency:**  
**Agency Type:** FEDERAL  
**Duration:** 5/8/2012 to 4/30/2014  
**CFDA:** 93.113 Biological Response to Environmental Health Hazards  
**CB Designation:** Restricted Research  
**Project Type:** Grant - Research  
**Project Title:** Detection of Obesogens and Diabetogens by Zebrafish Screening Models

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**Investigator:** Frigo, Daniel Dr. 100%  
**Award Amount:** \$52,875.00  
**Cost Center:** 00730 / 5013 / H0515 / B0001 / G103369 / 51028  
**Agency:** National Cancer Institute  
**Pass\_Thru Agency:**  
**Agency Type:** FEDERAL  
**Duration:** 5/14/2012 to 4/30/2014  
**CFDA:** 93.393 Cancer Cause and Prevention Research  
**CB Designation:** Restricted Research  
**Project Type:** Grant - Research  
**Project Title:** Modulation of Branched-Chain Fatty Acids for the Prevention of Prostate Cancer

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**Investigator:** Bondesson Bolin, Eva Maria Dr. 50%  
**Award Amount:** \$45,099.50  
**Cost Center:** 00730 / 5013 / H0515 / B0001 / G103783 / 51230  
**Agency:** National Institute of Environmental Health Sciences  
**Pass\_Thru Agency:**  
**Agency Type:** FEDERAL  
**Duration:** 5/8/2012 to 4/30/2014  
**CFDA:** 93.113 Biological Response to Environmental Health Hazards  
**CB Designation:** Restricted Research  
**Project Type:** Grant - Research  
**Project Title:** Detection of Obesogens and Diabetogens by Zebrafish Screening Models

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**COLLEGE OF NATURAL SCIENCES AND MATHEMATICS****Chemistry**

**Investigator:** Lee, T. Randall Dr. 40%  
**Award Amount:** \$3,998.00  
**Cost Center:** 00730 / 5013 / H0070 / B0001 / G098595 / 44709  
**Agency:** National Science Foundation  
**Pass\_Thru Agency:**  
**Agency Type:** FEDERAL  
**Duration:** 9/1/2009 to 8/31/2014  
**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

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**Investigator:** Cai, Chengzhi Dr. 20%  
**Award Amount:** \$3,758.00  
**Cost Center:** 00730 / 5013 / H0114 / B0001 / G104189 / 50786  
**Agency:** National Eye Institute  
**Pass\_Thru Agency:**  
**Agency Type:** FEDERAL  
**Duration:** 5/1/2012 to 4/30/2017  
**CFDA:** 93.867 Vision Research  
**CB Designation:** Restricted Research  
**Project Type:** Grant - Research  
**Project Title:** The Role Of Antimicrobial Peptides at the Ocular Surface (changed from Defensins and Corneal Wound Healing)

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**Investigator:** Cai, Chengzhi Dr. 100%  
**Award Amount:** \$129,002.00  
**Cost Center:** 00730 / 5013 / H0107 / B0001 / G104628 / 51336  
**Agency:** National Science Foundation  
**Pass\_Thru Agency:**  
**Agency Type:** FEDERAL  
**Duration:** 7/15/2012 to 6/30/2015  
**CFDA:** 47.049 Mathematical and Physical Sciences  
**CB Designation:** Restricted Research  
**Project Type:** Grant - Research  
**Project Title:** Benign E. coli adhesion and biofilm formation on mannoside surfaces

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

**Investigator:** Chapman, Barbara M. Dr. 34%  
**Award Amount:** \$68,000.00  
**Cost Center:** 00730 / 5013 / H0108 / B0001 / G105009 / 51679  
**Agency:** U.S. Department of Energy  
**Pass\_Thru Agency:**  
**Agency Type:** FEDERAL  
**Duration:** 9/1/2012 to 8/31/2014  
**CFDA:** 81.049 Office of Energy Research Financial Assistance Program  
**CB Designation:** Restricted Research  
**Project Type:** Co-Op Agreement - Research  
**Project Title:** An eXascale PRogramming Environment and System Software (XPRESS)

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**Investigator:** Gabriel, Edgar Dr. 33%  
**Award Amount:** \$66,000.00  
**Cost Center:** 00730 / 5013 / H0108 / B0001 / G105009 / 51679  
**Agency:** U.S. Department of Energy  
**Pass\_Thru Agency:**  
**Agency Type:** FEDERAL  
**Duration:** 9/1/2012 to 8/31/2014  
**CFDA:** 81.049 Office of Energy Research Financial Assistance Program  
**CB Designation:** Restricted Research  
**Project Type:** Co-Op Agreement - Research  
**Project Title:** An eXascale PRogramming Environment and System Software (XPRESS)

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**Investigator:** Garbey, Marc Dr. 100%  
**Award Amount:** \$112,490.00  
**Cost Center:** 00730 / 5013 / H0108 / B0001 / G106022 / 53410  
**Agency:** National Science Foundation  
**Pass\_Thru Agency:**  
**Agency Type:** FEDERAL  
**Duration:** 4/15/2013 to 3/31/2018  
**CFDA:** 47.041 Engineering Grants  
**CB Designation:** Restricted Research  
**Project Type:** Grant - Research  
**Project Title:** Collaborative Research:Full Center Grant:I/UCRC for Cyber-PhysicalSystems for the Hospital Operating Rm

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

**Investigator:** Chapman, Barbara M. Dr. 50%  
**Award Amount:** \$86,500.00  
**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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**Dean, Natural Sciences and Mathematics**

**Investigator:** Smith, Mark Dr. 100%  
**Award Amount:** \$106,822.00  
**Cost Center:** 00730 / 5043 / H0102 / B0001 / G105192 / 50829  
**Agency:** Jet Propulsion Laboratory  
**Pass\_Thru Agency:** NASA - National Aeronautics and Space Administration - Headquarters (Wash., D.C.)  
**Agency Type:** FEDERAL  
**Duration:** 4/10/2012 to 12/31/2013  
**CFDA:** 43.000 National Aeronautics and Space Administration  
**CB Designation:** Restricted Research  
**Project Type:** Contract - Research  
**Project Title:** Titan National Astrobiology Institute

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**Earth & Atmospheric Sciences**

**Investigator:** Bhattacharya, Janok Dr. 100%  
**Award Amount:** \$42,500.00  
**Cost Center:** 00730 / 5022 / H0109 / B0001 / C106692 / 52849  
**Agency:** Various Private Profit Agencies  
**Pass\_Thru Agency:**  
**Agency Type:** PROFIT  
**Duration:** 1/1/2013 to 12/31/2015  
**CFDA:**  
**CB Designation:** Restricted Research  
**Project Type:** Contract - Research  
**Project Title:** Quantitative Sedimentology Research Consortium

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

**Investigator:** Wang, Guoquan Dr. 100%  
**Award Amount:** \$94,767.00  
**Cost Center:** 00730 / 5013 / H0109 / B0001 / G104624 / 50392  
**Agency:** National Science Foundation  
**Pass\_Thru Agency:**  
**Agency Type:** FEDERAL  
**Duration:** 5/1/2012 to 8/31/2014  
**CFDA:** 47.050 Geosciences  
**CB Designation:** Restricted Research  
**Project Type:** Grant - Research  
**Project Title:** CAREER: Integrating Research and Education to Apply High-Rate GPS Into Natural Hazards Reduction

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**Investigator:** Mann, Paul Dr. 100%  
**Award Amount:** \$180,000.00  
**Cost Center:** 00730 / 5022 / H0109 / B0001 / C106782 / 52937  
**Agency:** Various Private Profit Agencies  
**Pass\_Thru Agency:**  
**Agency Type:** PROFIT  
**Duration:** 9/1/2012 to 8/31/2014  
**CFDA:**  
**CB Designation:** Restricted Research  
**Project Type:** Contract - Research  
**Project Title:** Caribbean Basins, Tectonics, and Hydrocarbons - Phase III

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**Mathematics**

**Investigator:** Ott, William Dr. 50%  
**Award Amount:** \$4,367.00  
**Cost Center:** 00730 / 5013 / H0110 / B0001 / G104362 / 51413  
**Agency:** Rice University  
**Pass\_Thru Agency:** National Institutes of Health  
**Agency Type:** FEDERAL  
**Duration:** 7/1/2012 to 4/30/2014  
**CFDA:** 93.859 Pharmacology, Physiology, and Biological Chemistry Research  
**CB Designation:** Restricted Research  
**Project Type:** Grant - Research  
**Project Title:** Collaborative Research: The Impact of Delay on Transcriptional Signaling: An Experimental and Mathematical Analysis

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**COLLEGE OF NATURAL SCIENCES AND MATHEMATICS****Mathematics**

**Investigator:** Josic, Kresimir Dr. 50%  
**Award Amount:** \$4,367.00  
**Cost Center:** 00730 / 5013 / H0110 / B0001 / G104362 / 51413  
**Agency:** Rice University  
**Pass\_Thru Agency:** National Institutes of Health  
**Agency Type:** FEDERAL  
**Duration:** 7/1/2012 to 4/30/2014  
**CFDA:** 93.859 Pharmacology, Physiology, and Biological Chemistry Research  
**CB Designation:** Restricted Research  
**Project Type:** Grant - Research  
**Project Title:** Collaborative Research: The Impact of Delay on Transcriptional Signaling: An Experimental and Mathematical Analysis

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**Investigator:** Qiu, Jingmei Dr. 100%  
**Award Amount:** \$117,788.00  
**Cost Center:** 00730 / 5013 / H0110 / B0001 / G104165 / 51306  
**Agency:** U.S. Air Force Office of Scientific Research  
**Pass\_Thru Agency:**  
**Agency Type:** FEDERAL  
**Duration:** 8/1/2012 to 6/14/2015  
**CFDA:** 12.800 Air Force Defense Research Sciences Program  
**CB Designation:** Restricted Research  
**Project Type:** Grant - Research  
**Project Title:** A High Order Multi-scale Numerical Approach for Kinetic Simulations

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**Investigator:** Olshanskiy, Maxim Dr. 100%  
**Award Amount:** \$60,156.00  
**Cost Center:** 00730 / 5013 / H0110 / B0001 / G106302 / 53607  
**Agency:** National Science Foundation  
**Pass\_Thru Agency:**  
**Agency Type:** FEDERAL  
**Duration:** 7/1/2013 to 6/30/2016  
**CFDA:** 47.049 Mathematical and Physical Sciences  
**CB Designation:** Restricted Research  
**Project Type:** Grant - Research  
**Project Title:** An Eulerian finite element method for partial differential equations posed on surfaces

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

**COLLEGE OF OPTOMETRY****Optometry, Community**

**Investigator:** Das, Vallabh Dr. 100%  
**Award Amount:** \$321,606.00  
**Cost Center:** 00730 / 5013 / H0114 / B0001 / G104385 / 51447  
**Agency:** National Eye Institute  
**Pass\_Thru Agency:**  
**Agency Type:** FEDERAL  
**Duration:** 8/1/2012 to 7/31/2014  
**CFDA:** 93.867 Vision Research  
**CB Designation:** Restricted Research  
**Project Type:** Grant - Research  
**Project Title:** Neural Adaptation to Strabismus Surgery

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**Investigator:** McDermott, Alison Dr. 80%  
**Award Amount:** \$15,032.00  
**Cost Center:** 00730 / 5013 / H0114 / B0001 / G104189 / 50786  
**Agency:** National Eye Institute  
**Pass\_Thru Agency:**  
**Agency Type:** FEDERAL  
**Duration:** 5/1/2012 to 4/30/2017  
**CFDA:** 93.867 Vision Research  
**CB Designation:** Restricted Research  
**Project Type:** Grant - Research  
**Project Title:** The Role Of Antimicrobial Peptides at the Ocular Surface (changed from Defensins and Corneal Wound Healing)

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**Investigator:** Smith III, Earl L. Dr. 100%  
**Award Amount:** \$103,060.00  
**Cost Center:** 00730 / 5021 / H0114 / B0001 / G090297 / 35093  
**Agency:** Brien Holden Vision Institute  
**Pass\_Thru Agency:**  
**Agency Type:** UNIVERSITY  
**Duration:** 6/1/2004 to 6/30/2015  
**CFDA:**  
**CB Designation:** Restricted Research  
**Project Type:** Special Research Agreement - Research  
**Project Title:** Optical Intervention

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**UNIVERSITY OF HOUSTON**  
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**New/Continuation Sponsored Research Grants and Contracts**  
**Fiscal Year 2013 - Received during JULY**

**COLLEGE OF OPTOMETRY****Optometry, Community**

**Investigator:** Bergmanson, Jan P. G. Dr. 100%  
**Award Amount:** \$70,050.00  
**Cost Center:** 00730 / 5022 / H0114 / B0001 / G099822 / 45027  
**Agency:** Cooper Vision, Inc.  
**Pass\_Thru Agency:**  
**Agency Type:** PROFIT  
**Duration:** 8/3/2009 to 8/31/2014  
**CFDA:**  
**CB Designation:** Restricted Research  
**Project Type:** Contract - Research  
**Project Title:** Clinical Evaluation of Silicone Hydrogel (SiHy) Contact Lenses CV-09-23

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**Investigator:** Nichols, Kelly Dr. 95%  
**Award Amount:** \$301,149.05  
**Cost Center:** 00730 / 5022 / H0114 / B0001 / G105877 / 52165  
**Agency:** Allergan, Inc.  
**Pass\_Thru Agency:**  
**Agency Type:** PROFIT  
**Duration:** 7/31/2012 to 2/28/2015  
**CFDA:**  
**CB Designation:** Restricted Research  
**Project Type:** Grant - Research  
**Project Title:** Ophthalmic AGN-195263 for the Treatment of Meibomian Gland Dysfunction

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**Investigator:** Nichols, Jason Dr. 100%  
**Award Amount:** \$504.00  
**Cost Center:** 00730 / 5022 / H0114 / B0001 / G105883 / 52089  
**Agency:** Vistakon, Inc.  
**Pass\_Thru Agency:**  
**Agency Type:** PROFIT  
**Duration:** 10/3/2012 to 6/30/2013  
**CFDA:**  
**CB Designation:** Restricted Research  
**Project Type:** Contract - Research  
**Project Title:** Daily Disposable Handling in a Population of Neophyte Contact Lens Wearers

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

**COLLEGE OF OPTOMETRY****Optometry, Community**

**Investigator:** Holdeman, Nick Dr. 5%  
**Award Amount:** \$15,849.95  
**Cost Center:** 00730 / 5022 / H0114 / B0001 / G105877 / 52165  
**Agency:** Allergan, Inc.  
**Pass\_Thru Agency:**  
**Agency Type:** PROFIT  
**Duration:** 7/31/2012 to 2/28/2015  
**CFDA:**  
**CB Designation:** Restricted Research  
**Project Type:** Grant - Research  
**Project Title:** Ophthalmic AGN-195263 for the Treatment of Meibomian Gland Dysfunction

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**COLLEGE OF PHARMACY****Clinical Sciences and Administration**

**Investigator:** Tam, Vincent Dr. 100%  
**Award Amount:** \$20,000.00  
**Cost Center:** 00730 / 5021 / H0118 / B0001 / C105725 / 52944  
**Agency:** Texas Children's Hospital  
**Pass\_Thru Agency:**  
**Agency Type:** NON PROFIT  
**Duration:** 6/3/2013 to 12/31/2013  
**CFDA:**  
**CB Designation:** Restricted Research  
**Project Type:** Grant - Research  
**Project Title:** Development of a vasopressin assay in human serum

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**Investigator:** Coyle, Elizabeth Dr. 100%  
**Award Amount:** \$3,000.00  
**Cost Center:** 00730 / 5022 / H0118 / B0001 / C107069 / 53650  
**Agency:** Target  
**Pass\_Thru Agency:**  
**Agency Type:** PROFIT  
**Duration:** 8/1/2013 to 5/31/2014  
**CFDA:**  
**CB Designation:** Restricted Research  
**Project Type:** Grant - Research  
**Project Title:** Continued Leadership and Professionalism Beyond Pharmacy School

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**UNIVERSITY OF HOUSTON**  
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**New/Continuation Sponsored Research Grants and Contracts**  
**Fiscal Year 2013 - Received during JULY**

**COLLEGE OF PHARMACY****Heart and Kidney Institute**

**Investigator:** Banday, Anees Ahmad Dr. 10%  
**Award Amount:** \$32,715.60  
**Cost Center:** 00730 / 5013 / H0117 / B0001 / G106060 / 53524  
**Agency:** National Institute of Diabetes and Digestive and Kidney Diseases  
**Pass\_Thru Agency:**  
**Agency Type:** FEDERAL  
**Duration:** 7/1/2013 to 6/30/2017  
**CFDA:** 93.847 Diabetes, Endocrinology and Metabolism Research  
**CB Designation:** Restricted Research  
**Project Type:** Grant - Research  
**Project Title:** Transcriptional regulation of renal dopamine D1 receptors in hypertension during oxidative stress

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**Investigator:** Lokhandwala, Mustafa F. Dr. 40%  
**Award Amount:** \$130,862.40  
**Cost Center:** 00730 / 5013 / H0117 / B0001 / G106060 / 53524  
**Agency:** National Institute of Diabetes and Digestive and Kidney Diseases  
**Pass\_Thru Agency:**  
**Agency Type:** FEDERAL  
**Duration:** 7/1/2013 to 6/30/2017  
**CFDA:** 93.847 Diabetes, Endocrinology and Metabolism Research  
**CB Designation:** Restricted Research  
**Project Type:** Grant - Research  
**Project Title:** Transcriptional regulation of renal dopamine D1 receptors in hypertension during oxidative stress

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**Institute for Drug Education and Research**

**Investigator:** Chow, Diana S. L. Dr. 50%  
**Award Amount:** \$29,500.00  
**Cost Center:** 00730 / 5013 / H0117 / B0001 / G106974 / 53502  
**Agency:** Christopher and Dana Reeve Foundation  
**Pass\_Thru Agency:** U.S. Department of Defense  
**Agency Type:** FEDERAL  
**Duration:** 6/1/2013 to 5/31/2014  
**CFDA:** 93.853 Clinical Research Related to Neurological Disorders  
**CB Designation:** Restricted Research  
**Project Type:** Grant - Research  
**Project Title:** Pharmacokinetics and Pharmacodynamic Evaluations of Riluzole in 36 Acute Spinal Cord Injured (ASCI) Patients

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

**COLLEGE OF PHARMACY****Pharmacological and Pharmaceutical Sciences**

**Investigator:** Cuny, Gregory Dr. 100%  
**Award Amount:** \$3,800.00  
**Cost Center:** 00730 / 5013 / H0117 / B0001 / G105191 / 50789  
**Agency:** Brandeis University  
**Pass\_Thru Agency:** National Institute of Allergy and Infectious Diseases  
**Agency Type:** FEDERAL  
**Duration:** 3/1/2012 to 5/31/2014  
**CFDA:** 93.855 Allergy, Immunology, and Transplantation Research  
**CB Designation:** Restricted Research  
**Project Type:** Grant - Research  
**Project Title:** IMPDH-targeted antibiotics for select agents

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**Investigator:** Chow, Diana S. L. Dr. 50%  
**Award Amount:** \$29,500.00  
**Cost Center:** 00730 / 5013 / H0117 / B0001 / G106974 / 53502  
**Agency:** Christopher and Dana Reeve Foundation  
**Pass\_Thru Agency:** U.S. Department of Defense  
**Agency Type:** FEDERAL  
**Duration:** 6/1/2013 to 5/31/2014  
**CFDA:** 93.853 Clinical Research Related to Neurological Disorders  
**CB Designation:** Restricted Research  
**Project Type:** Grant - Research  
**Project Title:** Pharmacokinetics and Pharmacodynamic Evaluations of Riluzole in 36 Acute Spinal Cord Injured (ASCI) Patients

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**Investigator:** Bandy, Anees Ahmad Dr. 10%  
**Award Amount:** \$32,715.60  
**Cost Center:** 00730 / 5013 / H0117 / B0001 / G106060 / 53524  
**Agency:** National Institute of Diabetes and Digestive and Kidney Diseases  
**Pass\_Thru Agency:**  
**Agency Type:** FEDERAL  
**Duration:** 7/1/2013 to 6/30/2017  
**CFDA:** 93.847 Diabetes, Endocrinology and Metabolism Research  
**CB Designation:** Restricted Research  
**Project Type:** Grant - Research  
**Project Title:** Transcriptional regulation of renal dopamine D1 receptors in hypertension during oxidative stress

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

**COLLEGE OF PHARMACY****Pharmacological and Pharmaceutical Sciences**

**Investigator:** Lokhandwala, Mustafa F. Dr. 40%  
**Award Amount:** \$130,862.40  
**Cost Center:** 00730 / 5013 / H0117 / B0001 / G106060 / 53524  
**Agency:** National Institute of Diabetes and Digestive and Kidney Diseases  
**Pass\_Thru Agency:**  
**Agency Type:** FEDERAL  
**Duration:** 7/1/2013 to 6/30/2017  
**CFDA:** 93.847 Diabetes, Endocrinology and Metabolism Research  
**CB Designation:** Restricted Research  
**Project Type:** Grant - Research  
**Project Title:** Transcriptional regulation of renal dopamine D1 receptors in hypertension during oxidative stress

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**COLLEGE OF TECHNOLOGY****Engineering Technology**

**Investigator:** Moges, Mequanint Dr. 100%  
**Award Amount:** \$19,976.00  
**Cost Center:** 00730 / 5022 / H0139 / B0100 / C106937 / 53321  
**Agency:** Intel Corp.  
**Pass\_Thru Agency:**  
**Agency Type:** PROFIT  
**Duration:** 6/3/2013 to 5/31/2014  
**CFDA:**  
**CB Designation:** Non Restricted Research  
**Project Type:** Contract - Research  
**Project Title:** Building Intelligence for Intelligent Systems

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**CULLEN COLLEGE OF ENGINEERING****Biomedical Engineering**

**Investigator:** Zhang, Yingchun Prof. 100%  
**Award Amount:** \$240,713.00  
**Cost Center:** 00730 / 5013 / H0071 / B0001 / G106384 / 53481  
**Agency:** National Institute of Diabetes and Digestive and Kidney Diseases  
**Pass\_Thru Agency:**  
**Agency Type:** FEDERAL  
**Duration:** 7/1/2013 to 4/30/2016  
**CFDA:** 93.847 Diabetes, Endocrinology and Metabolism Research  
**CB Designation:** Restricted Research  
**Project Type:** Grant - Research  
**Project Title:** Electromechanical Modeling Approach in Assessing Female SUI

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

**CULLEN COLLEGE OF ENGINEERING**

**Biomedical Engineering**

**Investigator:** Akay, Metin Dr. 100%  
**Award Amount:** \$25,000.00  
**Cost Center:** 00730 / 5013 / H0071 / B0001 / G105875 / 53642  
**Agency:** National Science Foundation  
**Pass\_Thru Agency:**  
**Agency Type:** FEDERAL  
**Duration:** 8/1/2013 to 7/31/2014  
**CFDA:** 47.041 Engineering Grants  
**CB Designation:** Non Restricted Research  
**Project Type:** Grant - Research  
**Project Title:** Advanced Study Institute on Global Healthcare Grand Challenges and Opportunities

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**Center for Innovative Grouting Materials and Tech**

**Investigator:** Vipulanandan, Cumaraswamy D 100%  
**Award Amount:** \$1,000.00  
**Cost Center:** 00730 / 5022 / H0069 / B0001 / C106967 / 53288  
**Agency:** Various Private Profit Agencies  
**Pass\_Thru Agency:**  
**Agency Type:** PROFIT  
**Duration:** 1/1/2013 to 12/31/2013  
**CFDA:**  
**CB Designation:** Restricted Research  
**Project Type:** Special Research Agreement - Research  
**Project Title:** Center for Innovative Grouting Materials and Technology

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**Center for Integrated Bio and Nano Systems**

**Investigator:** Litvinov, Dmitri Dr. 50%  
**Award Amount:** \$3,997.50  
**Cost Center:** 00730 / 5013 / H0070 / B0001 / G106719 / 53404  
**Agency:** National Science Foundation  
**Pass\_Thru Agency:**  
**Agency Type:** FEDERAL  
**Duration:** 5/24/2013 to 8/31/2014  
**CFDA:** 47.041 Engineering Grants  
**CB Designation:** Restricted Research  
**Project Type:** Grant - Research  
**Project Title:** REU Supplement: GOALI: Fabrication and Device Physics of Bit-Patterned Magnetic Recording Media

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

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

**Investigator:** Litvinov, Dmitri Dr. 25%  
**Award Amount:** \$2,498.75  
**Cost Center:** 00730 / 5013 / H0070 / B0001 / G098595 / 44709  
**Agency:** National Science Foundation  
**Pass\_Thru Agency:**  
**Agency Type:** FEDERAL  
**Duration:** 9/1/2009 to 8/31/2014  
**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

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**Investigator:** Bao, Jiming Dr. 50%  
**Award Amount:** \$4,000.00  
**Cost Center:** 00730 / 5013 / H0070 / B0001 / G106934 / 53317  
**Agency:** National Science Foundation  
**Pass\_Thru Agency:**  
**Agency Type:** FEDERAL  
**Duration:** 6/1/2013 to 5/31/2017  
**CFDA:** 47.041 Engineering Grants  
**CB Designation:** Restricted Research  
**Project Type:** Grant - Research  
**Project Title:** REU Supplement: CAREER: Doped Graphene: a Transformative Paradigm for Plasmonics and Two-Dimensional Nanophotonics

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**Chemical Engineering**

**Investigator:** Krishnamoorti, Ramanan Dr. 100%  
**Award Amount:** \$150,000.00  
**Cost Center:** 00730 / 5022 / H0067 / B0001 / G102422 / 47774  
**Agency:** Shell International Exploration and Production Inc.  
**Pass\_Thru Agency:**  
**Agency Type:** PROFIT  
**Duration:** 12/1/2010 to 6/30/2014  
**CFDA:**  
**CB Designation:** Restricted Research  
**Project Type:** Grant - Research  
**Project Title:** Nanomaterials for Enhanced Oil Recovery

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

**CULLEN COLLEGE OF ENGINEERING****Chemical Engineering**

**Investigator:** Nikolaou, Michael Dr. 100%  
**Award Amount:** \$229,182.00  
**Cost Center:** 00730 / 5043 / H0067 / B0001 / G105094 / 53450  
**Agency:** CSI Technologies, LLC  
**Pass\_Thru Agency:** U.S. Department of Energy  
**Agency Type:** FEDERAL  
**Duration:** 5/29/2013 to 5/28/2015  
**CFDA:** 81.089 Fossil Energy Research and Development  
**CB Designation:** Restricted Research  
**Project Type:** Contract - Research  
**Project Title:** Positive Annular Seal to Isolate Fresh Water Aquifers and Wellhead from Shale Hydrocarbon Contamination: Prevention of Fluid Migration and Remediation of Sustained Casing Pressure

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**Investigator:** Varadarajan, Navin Dr. 95%  
**Award Amount:** \$423,801.65  
**Cost Center:** 00730 / 5013 / H0067 / B0001 / G104904 / 51804  
**Agency:** National Cancer Institute  
**Pass\_Thru Agency:**  
**Agency Type:** FEDERAL  
**Duration:** 9/19/2012 to 6/30/2016  
**CFDA:** 93.310 Trans-NIH Research Support  
**CB Designation:** Restricted Research  
**Project Type:** Grant - Research  
**Project Title:** Quantitative single-cell biomarkers of T-cells to optimize tumor immunotherapy

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**Investigator:** Robertson, Megan Prof. 50%  
**Award Amount:** \$149,994.50  
**Cost Center:** 00730 / 5013 / H0067 / B0001 / G106565 / 53527  
**Agency:** National Science Foundation  
**Pass\_Thru Agency:**  
**Agency Type:** FEDERAL  
**Duration:** 7/15/2013 to 6/30/2016  
**CFDA:** 47.041 Engineering Grants  
**CB Designation:** Restricted Research  
**Project Type:** Grant - Research  
**Project Title:** Advanced Interpenetrating Networks for Structural Applications

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**UNIVERSITY OF HOUSTON**  
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**New/Continuation Sponsored Research Grants and Contracts**  
**Fiscal Year 2013 - Received during JULY**

**CULLEN COLLEGE OF ENGINEERING****Chemical Engineering**

**Investigator:** Balakotaiah, Vemuri Dr. 100%  
**Award Amount:** \$100,000.00  
**Cost Center:** 00730 / 5013 / H0067 / B0001 / G101473 / 46776  
**Agency:** NASA - National Aeronautics and Space Administration - Glenn Research Center  
**Pass\_Thru Agency:**  
**Agency Type:** FEDERAL  
**Duration:** 4/12/2010 to 10/11/2013  
**CFDA:** 43.001 Aerospace Education Services Program  
**CB Designation:** Restricted Research  
**Project Type:** Grant - Research  
**Project Title:** Packed Bed Reactor Experiment

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**Investigator:** Rimer, Jeffrey Dr. 100%  
**Award Amount:** \$100,000.00  
**Cost Center:** 00730 / 5013 / H0067 / B0001 / G104584 / 51554  
**Agency:** National Science Foundation  
**Pass\_Thru Agency:**  
**Agency Type:** FEDERAL  
**Duration:** 9/1/2012 to 8/31/2015  
**CFDA:** 47.049 Mathematical and Physical Sciences  
**CB Designation:** Restricted Research  
**Project Type:** Grant - Research  
**Project Title:** Collaborative Research: Design of Peptide Crystal Growth Modifiers Using Experiments and Simulations

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**Investigator:** Nikolaou, Michael Dr. 100%  
**Award Amount:** \$220,002.68  
**Cost Center:** 00730 / 5043 / H0067 / B0001 / G103962 / 53377  
**Agency:** CSI Technologies, LLC  
**Pass\_Thru Agency:** U.S. Department of Energy  
**Agency Type:** FEDERAL  
**Duration:** 6/22/2012 to 6/21/2014  
**CFDA:** 81.089 Fossil Energy Research and Development  
**CB Designation:** Restricted Research  
**Project Type:** Contract - Research  
**Project Title:** Deepwater Reverse-Circulation Primary Cementing

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

**CULLEN COLLEGE OF ENGINEERING****Chemical Engineering**

**Investigator:** Donnelly, Vincent Dr. 50%  
**Award Amount:** \$67,762.50  
**Cost Center:** 00730 / 5022 / H0067 / B0001 / G104466 / 50389  
**Agency:** Tokyo Electron America  
**Pass\_Thru Agency:**  
**Agency Type:** PROFIT  
**Duration:** 1/1/2010 to 12/31/2013  
**CFDA:**  
**CB Designation:** Restricted Research  
**Project Type:** Contract - Research  
**Project Title:** Diagnostics of an RLSA Plasma Source

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**Investigator:** Varadarajan, Navin Dr. 100%  
**Award Amount:** \$31,833.00  
**Cost Center:** 00730 / 5018 / H0067 / B0001 / G103810 / 53089  
**Agency:** University of Texas MD Anderson Cancer Center  
**Pass\_Thru Agency:** Cancer Prevention and Research Institute of Texas  
**Agency Type:** STATE  
**Duration:** 12/1/2011 to 11/30/2013  
**CFDA:**  
**CB Designation:** Restricted Research  
**Project Type:** Grant - Research  
**Project Title:** T-Cell Therapy After Hematopoietic Stem Cell Transplantation

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**Investigator:** Economou, Demetre J. Dr. 50%  
**Award Amount:** \$67,762.50  
**Cost Center:** 00730 / 5022 / H0067 / B0001 / G104466 / 50389  
**Agency:** Tokyo Electron America  
**Pass\_Thru Agency:**  
**Agency Type:** PROFIT  
**Duration:** 1/1/2010 to 12/31/2013  
**CFDA:**  
**CB Designation:** Restricted Research  
**Project Type:** Contract - Research  
**Project Title:** Diagnostics of an RLSA Plasma Source

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

**CULLEN COLLEGE OF ENGINEERING****Civil Engineering**

**Investigator:** Rodrigues , Debora Dr. 100%  
**Award Amount:** \$6,000.00  
**Cost Center:** 00730 / 5013 / H0068 / B0001 / G106847 / 53457  
**Agency:** National Science Foundation  
**Pass\_Thru Agency:**  
**Agency Type:** FEDERAL  
**Duration:** 6/28/2013 to 12/31/2016  
**CFDA:** 47.041 Engineering Grants  
**CB Designation:** Restricted Research  
**Project Type:** Grant - Research  
**Project Title:** REU Supplement: CAREER Toxicology of graphene-based nanomaterials

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**Investigator:** Dawood, Mina Dr. 50%  
**Award Amount:** \$149,994.50  
**Cost Center:** 00730 / 5013 / H0067 / B0001 / G106565 / 53527  
**Agency:** National Science Foundation  
**Pass\_Thru Agency:**  
**Agency Type:** FEDERAL  
**Duration:** 7/15/2013 to 6/30/2016  
**CFDA:** 47.041 Engineering Grants  
**CB Designation:** Restricted Research  
**Project Type:** Grant - Research  
**Project Title:** Advanced Interpenetrating Networks for Structural Applications

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**Electrical & Computer Engineering**

**Investigator:** Bao, Jiming Dr. 50%  
**Award Amount:** \$4,000.00  
**Cost Center:** 00730 / 5013 / H0070 / B0001 / G106934 / 53317  
**Agency:** National Science Foundation  
**Pass\_Thru Agency:**  
**Agency Type:** FEDERAL  
**Duration:** 6/1/2013 to 5/31/2017  
**CFDA:** 47.041 Engineering Grants  
**CB Designation:** Restricted Research  
**Project Type:** Grant - Research  
**Project Title:** REU Supplement: CAREER: Doped Graphene: a Transformative Paradigm for Plasmonics and Two-Dimensional Nanophotonics

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**UNIVERSITY OF HOUSTON**  
**Division of Research**  
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**Fiscal Year 2013 - Received during JULY**

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

**Investigator:** Contreras-Vidal, Jose Dr.      100%  
**Award Amount:** \$285,267.00  
**Cost Center:** 00730 / 5013 / H0070 / B0001 / G105004 / 50465  
**Agency:** National Institute of Neurological Disorders and Stroke  
**Pass\_Thru Agency:**  
**Agency Type:** FEDERAL  
**Duration:** 11/1/2011 to 6/30/2014  
**CFDA:** 93.853      Clinical Research Related to Neurological Disorders  
**CB Designation:** Restricted Research  
**Project Type:** Grant - Research  
**Project Title:** Noninvasive Neural Decoding of Walking

---

**Investigator:** Litvinov, Dmitri Dr.      50%  
**Award Amount:** \$3,997.50  
**Cost Center:** 00730 / 5013 / H0070 / B0001 / G106719 / 53404  
**Agency:** National Science Foundation  
**Pass\_Thru Agency:**  
**Agency Type:** FEDERAL  
**Duration:** 5/24/2013 to 8/31/2014  
**CFDA:** 47.041      Engineering Grants  
**CB Designation:** Restricted Research  
**Project Type:** Grant - Research  
**Project Title:** REU Supplement: GOALI: Fabrication and Device Physics of Bit-Patterned Magnetic Recording Media

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**Investigator:** Roysam, Badrinath Dr.      5%  
**Award Amount:** \$22,305.35  
**Cost Center:** 00730 / 5013 / H0067 / B0001 / G104904 / 51804  
**Agency:** National Cancer Institute  
**Pass\_Thru Agency:**  
**Agency Type:** FEDERAL  
**Duration:** 9/19/2012 to 6/30/2016  
**CFDA:** 93.310      Trans-NIH Research Support  
**CB Designation:** Restricted Research  
**Project Type:** Grant - Research  
**Project Title:** Quantitative single-cell biomarkers of T-cells to optimize tumor immunotherapy

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

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

**Investigator:** Litvinov, Dmitri Dr. 25%  
**Award Amount:** \$2,498.75  
**Cost Center:** 00730 / 5013 / H0070 / B0001 / G098595 / 44709  
**Agency:** National Science Foundation  
**Pass\_Thru Agency:**  
**Agency Type:** FEDERAL  
**Duration:** 9/1/2009 to 8/31/2014  
**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

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**Investigator:** Liu, Ce Dr. 100%  
**Award Amount:** \$25,000.00  
**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

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**Investigator:** Contreras-Vidal, Jose Dr. 100%  
**Award Amount:** \$110,353.00  
**Cost Center:** 00730 / 5013 / H0070 / B0001 / G105902 / 53310  
**Agency:** National Science Foundation  
**Pass\_Thru Agency:**  
**Agency Type:** FEDERAL  
**Duration:** 5/1/2013 to 5/31/2017  
**CFDA:** 47.070 Computer and Information Science and Engineering (CISE)  
**CB Designation:** Restricted Research  
**Project Type:** Grant - Research  
**Project Title:** HCC: Medium: Collaborative Research: Neural control of powered artificial legs

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

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

**Investigator:** Chen, Ji Dr. 50%  
**Award Amount:** \$29,852.00  
**Cost Center:** 00730 / 5013 / H0070 / B0001 / G104462 / 51676  
**Agency:** University of Georgia  
**Pass\_Thru Agency:** National Institute of General Medical Sciences  
**Agency Type:** FEDERAL  
**Duration:** 8/15/2012 to 4/30/2014  
**CFDA:** 93.859 Pharmacology, Physiology, and Biological Chemistry Research  
**CB Designation:** Restricted Research  
**Project Type:** Grant - Research  
**Project Title:** Integrated Cell Enrichment Microfluidic Chip for Low Resource Cancer Screening

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**Investigator:** Jansen, Ben H. Dr. 50%  
**Award Amount:** \$29,852.00  
**Cost Center:** 00730 / 5013 / H0070 / B0001 / G104462 / 51676  
**Agency:** University of Georgia  
**Pass\_Thru Agency:** National Institute of General Medical Sciences  
**Agency Type:** FEDERAL  
**Duration:** 8/15/2012 to 4/30/2014  
**CFDA:** 93.859 Pharmacology, Physiology, and Biological Chemistry Research  
**CB Designation:** Restricted Research  
**Project Type:** Grant - Research  
**Project Title:** Integrated Cell Enrichment Microfluidic Chip for Low Resource Cancer Screening

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**Mechanical Engineering**

**Investigator:** Franchek, Matthew Dr. 50%  
**Award Amount:** \$61,250.00  
**Cost Center:** 00730 / 5016 / H0073 / B0001 / G098148 / 46612  
**Agency:** Texas A&M Engineering Experiment Station  
**Pass\_Thru Agency:** Qatar National Research Fund  
**Agency Type:** FOUNDATION  
**Duration:** 5/11/2010 to 8/31/2014  
**CFDA:**  
**CB Designation:** Restricted Research  
**Project Type:** Grant - Research  
**Project Title:** Nonlinear Structural Health Monitoring

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

**CULLEN COLLEGE OF ENGINEERING****Mechanical Engineering**

**Investigator:** Franchek, Matthew Dr. 50%  
**Award Amount:** \$4,298.00  
**Cost Center:** 00730 / 5016 / H0073 / B0001 / G101912 / 46711  
**Agency:** Texas A&M Engineering Experiment Station  
**Pass\_Thru Agency:** Qatar National Research Fund  
**Agency Type:** FOUNDATION  
**Duration:** 5/11/2010 to 8/31/2014  
**CFDA:**  
**CB Designation:** Restricted Research  
**Project Type:** Grant - Research  
**Project Title:** Nonlinear Structural Health Monitoring

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**Investigator:** Grigoriadis, Karolos M. Dr. 50%  
**Award Amount:** \$4,298.00  
**Cost Center:** 00730 / 5016 / H0073 / B0001 / G101912 / 46711  
**Agency:** Texas A&M Engineering Experiment Station  
**Pass\_Thru Agency:** Qatar National Research Fund  
**Agency Type:** FOUNDATION  
**Duration:** 5/11/2010 to 8/31/2014  
**CFDA:**  
**CB Designation:** Restricted Research  
**Project Type:** Grant - Research  
**Project Title:** Nonlinear Structural Health Monitoring

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**Investigator:** Grigoriadis, Karolos M. Dr. 50%  
**Award Amount:** \$61,250.00  
**Cost Center:** 00730 / 5016 / H0073 / B0001 / G098148 / 46612  
**Agency:** Texas A&M Engineering Experiment Station  
**Pass\_Thru Agency:** Qatar National Research Fund  
**Agency Type:** FOUNDATION  
**Duration:** 5/11/2010 to 8/31/2014  
**CFDA:**  
**CB Designation:** Restricted Research  
**Project Type:** Grant - Research  
**Project Title:** Nonlinear Structural Health Monitoring

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

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

**Investigator:** Chapman, Barbara M. Dr. 33%  
**Award Amount:** \$66,000.00  
**Cost Center:** 00730 / 5013 / H0108 / B0001 / G105009 / 51679  
**Agency:** U.S. Department of Energy  
**Pass\_Thru Agency:**  
**Agency Type:** FEDERAL  
**Duration:** 9/1/2012 to 8/31/2014  
**CFDA:** 81.049 Office of Energy Research Financial Assistance Program  
**CB Designation:** Restricted Research  
**Project Type:** Co-Op Agreement - Research  
**Project Title:** An eXascale PRogramming Environment and System Software (XPRESS)

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**Investigator:** Chapman, Barbara M. Dr. 50%  
**Award Amount:** \$86,500.00  
**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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**TcSUH**

**Investigator:** Lee, T. Randall Dr. 10%  
**Award Amount:** \$999.50  
**Cost Center:** 00730 / 5013 / H0070 / B0001 / G098595 / 44709  
**Agency:** National Science Foundation  
**Pass\_Thru Agency:**  
**Agency Type:** FEDERAL  
**Duration:** 9/1/2009 to 8/31/2014  
**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

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

**DIVISION OF RESEARCH****Texas Learning/Computation Center**

**Investigator:** Tian, Siva Dr. 10%  
**Award Amount:** \$2,498.00  
**Cost Center:** 00730 / 5013 / H0288 / B0001 / G104505 / 51659  
**Agency:** National Science Foundation  
**Pass\_Thru Agency:**  
**Agency Type:** FEDERAL  
**Duration:** 9/1/2012 to 8/31/2015  
**CFDA:** 47.049 Mathematical and Physical Sciences  
**CB Designation:** Restricted Research  
**Project Type:** Grant - Research  
**Project Title:** Collaborative Research: New Developments for Analysis of Two-Way Structured Functional Data

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**Texas Obesity Research Center**

**Investigator:** Ledoux, Tracey Dr. 33%  
**Award Amount:** \$58,882.56  
**Cost Center:** 00730 / 5013 / H0500 / B0001 / G104409 / 51305  
**Agency:** National Institute of Child Health and Human Development  
**Pass\_Thru Agency:**  
**Agency Type:** FEDERAL  
**Duration:** 7/1/2012 to 6/30/2014  
**CFDA:** 93.865 Center for Research for Mothers and Children  
**CB Designation:** Restricted Research  
**Project Type:** Grant - Research  
**Project Title:** Science and Community: Partnering to prevent early childhood obesity

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**Investigator:** Lee, Rebecca Dr. 34%  
**Award Amount:** \$60,666.88  
**Cost Center:** 00730 / 5013 / H0500 / B0001 / G104409 / 51305  
**Agency:** National Institute of Child Health and Human Development  
**Pass\_Thru Agency:**  
**Agency Type:** FEDERAL  
**Duration:** 7/1/2012 to 6/30/2014  
**CFDA:** 93.865 Center for Research for Mothers and Children  
**CB Designation:** Restricted Research  
**Project Type:** Grant - Research  
**Project Title:** Science and Community: Partnering to prevent early childhood obesity

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

**DIVISION OF RESEARCH**

**Texas Obesity Research Center**

**Investigator:** O'Connor, Daniel Dr. 33%  
**Award Amount:** \$58,882.56  
**Cost Center:** 00730 / 5013 / H0500 / B0001 / G104409 / 51305  
**Agency:** National Institute of Child Health and Human Development  
**Pass\_Thru Agency:**  
**Agency Type:** FEDERAL  
**Duration:** 7/1/2012 to 6/30/2014  
**CFDA:** 93.865 Center for Research for Mothers and Children  
**CB Designation:** Restricted Research  
**Project Type:** Grant - Research  
**Project Title:** Science and Community: Partnering to prevent early childhood obesity

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**Investigator:** Lee, Rebecca Dr. 100%  
**Award Amount:** \$7,188.00  
**Cost Center:** 00730 / 5013 / H0500 / B0001 / G104140 / 51119  
**Agency:** National Institutes of Health  
**Pass\_Thru Agency:**  
**Agency Type:** FEDERAL  
**Duration:** 6/1/2012 to 9/11/2013  
**CFDA:** 93.361 Nursing Research  
**CB Designation:** Restricted Research  
**Project Type:** Grant - Research  
**Project Title:** Predicting PA Adoption among Minority Women Using SEM and Participatory Research (Scherezade Mama)

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

**DIVISION OF RESEARCH**

**TIMES**

**Investigator:** Tian, Siva Dr. 45%  
**Award Amount:** \$11,241.00  
**Cost Center:** 00730 / 5013 / H0288 / B0001 / G104505 / 51659  
**Agency:** National Science Foundation  
**Pass\_Thru Agency:**  
**Agency Type:** FEDERAL  
**Duration:** 9/1/2012 to 8/31/2015  
**CFDA:** 47.049 Mathematical and Physical Sciences  
**CB Designation:** Restricted Research  
**Project Type:** Grant - Research  
**Project Title:** Collaborative Research: New Developments for Analysis of Two-Way Structured Functional Data

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**REPORTING PERIOD ACTIVITY SUMMARY**

**Federal Funding:** \$4,998,976.94  
**State Funding:** \$35,470.00  
**Local Funding:** \$0.00  
**Profit Funding:** \$954,554.00  
**Non Profit Funding:** \$348,973.60  
**Foundation Funding:** \$131,096.00  
**University Funding:** \$103,060.00  
**Total:** **\$6,572,130.54**