

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

COLLEGE OF EDUCATION**Curriculum and Instruction**

Investigator: Dominey, Wallace Dr. 100%
Award Amount: \$435,840.00
Cost Center: 00730 / 5014 / H0062 / A0001 / G104512 / 50405
Agency: Texas Higher Education Coordinating Board
Pass_Thru Agency: USE DED000; U.S. Department of Education
Agency Type: FEDERAL
Duration: 2/1/2012 to 4/30/2014
CFDA: 84.367 Improving Teacher Quality State Grants
CB Designation: Non Research
Project Type: Grant - Instruction
Project Title: Science Teacher Equity Project

Investigator: Robin, Bernard R. Dr. 25%
Award Amount: \$3,997.75
Cost Center: 00730 / 5021 / H0504 / B0001 / G106101 / 52398
Agency: University of North Texas
Pass_Thru Agency: United Engineering Foundation
Agency Type: FOUNDATION
Duration: 1/1/2013 to 12/31/2013
CFDA:
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Inventiones de la Inventiva: Employing KUHF's Engines of Our Ingenuity to Increase Engineering Education Opportunities in the Hispanic Community

Investigator: Dominey, Wallace Dr. 100%
Award Amount: \$8,000.00
Cost Center: 00730 / 5013 / H0062 / B0001 / C105900 / 52652
Agency: Texas Christian University - Andrews Institute
Pass_Thru Agency: U.S. Department of Education
Agency Type: FEDERAL
Duration: 9/1/2012 to 9/1/2013
CFDA: 84.367 Improving Teacher Quality State Grants
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: EQUIP iPad app Development

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COLLEGE OF EDUCATION**Educational Psychology**

Investigator: Arbona, Consuelo Dr. 100%
Award Amount: \$1,607.00
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

Investigator: Obasi, Ezemenari Dr. 100%
Award Amount: \$418,946.00
Cost Center: 00730 / 5013 / H0064 / B0001 / G106020 / 52816
Agency: National Institute on Drug Abuse
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 4/1/2013 to 12/31/2013
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

Investigator: Obasi, Ezemenari Dr. 100%
Award Amount: \$23,835.00
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 12/31/2013
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

UNIVERSITY OF HOUSTON
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COLLEGE OF LIBERAL ARTS AND SOCIAL SCIENCES**Economics**

Investigator: Juhn, Chinhui Dr. 100%
Award Amount: \$144,046.00
Cost Center: 00730 / 5013 / H0122 / B0001 / G106826 / 53007
Agency: Council of Economic Advisors
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 8/6/2012 to 6/7/2013
CFDA: 00.000 Not Elsewhere Classified
CB Designation: Restricted Research
Project Type: Special Research Agreement - Research
Project Title: Intergovernmental Personnel Act Assignment Agreement for Juhn Chinhui

Hispanic Studies

Investigator: Bencomo, Anadeli Dr. 75%
Award Amount: \$11,993.25
Cost Center: 00730 / 5021 / H0504 / B0001 / G106101 / 52398
Agency: University of North Texas
Pass_Thru Agency: United Engineering Foundation
Agency Type: FOUNDATION
Duration: 1/1/2013 to 12/31/2013
CFDA:
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Inversiones de la Inventiva: Employing KUHF's Engines of Our Ingenuity to Increase Engineering Education Opportunities in the Hispanic Community

Psychology

Investigator: Grills-Taqueche, Amie Dr. 100%
Award Amount: \$2,771.73
Cost Center: 00730 / 5013 / H0125 / B0001 / G101259 / 47969
Agency: East Carolina University
Pass_Thru Agency: National Institutes of Health
Agency Type: FEDERAL
Duration: 12/1/2010 to 12/31/2012
CFDA: 93.242 Mental Health Research Grants
CB Designation: Non Restricted Research
Project Type: Grant - Research
Project Title: Evaluation of Web-based CBT for Rape Victims

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

Investigator: Yoshida, Hanako Dr. 100%
Award Amount: \$10,321.00
Cost Center: 00730 / 5013 / H0125 / B0001 / G097365 / 43597
Agency: National Institute of Child Health and Human Development
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 12/1/2008 to 11/30/2013
CFDA: 93.865 Center for Research for Mothers and Children
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Basic Mechanisms of Language's Effect on Attention and Learning

Investigator: Zvolensky, Michael Dr. 100%
Award Amount: \$225,423.00
Cost Center: 00730 / 5013 / H0125 / B0100 / G105077 / 52915
Agency: National Institute on Drug Abuse
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 4/15/2013 to 3/31/2016
CFDA: 93.279 Drug Abuse Research Programs
CB Designation: Non Restricted Research
Project Type: Grant - Research
Project Title: Integrated Smoking Cessation Treatment for Emotional Dysregulation

Investigator: Zvolensky, Michael Dr. 50%
Award Amount: \$21,000.00
Cost Center: 00730 / 5013 / H0125 / B0100 / G105339 / 53125
Agency: National Institute on Drug Abuse
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 3/1/2012 to 2/28/2014
CFDA: 93.279 Drug Abuse Research Programs
CB Designation: Non Restricted Research
Project Type: Grant - Research
Project Title: Augmenting Smoking Cessation with Transdiagnostic CBT for Smokers with Anxiety Disorders -- Diversity Supplement

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

Investigator: Norton, Peter Dr. 50%
Award Amount: \$17,235.50
Cost Center: 00730 / 5013 / H0125 / B0001 / G105782 / 53189
Agency: National Institute of Mental Health
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 6/1/2013 to 5/31/2014
CFDA: 93.242 Mental Health Research Grants
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Anxiety Reduction Treatment for HIV+ Individuals

Investigator: Zvolensky, Michael Dr. 50%
Award Amount: \$17,235.50
Cost Center: 00730 / 5013 / H0125 / B0001 / G105782 / 53189
Agency: National Institute of Mental Health
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 6/1/2013 to 5/31/2014
CFDA: 93.242 Mental Health Research Grants
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Anxiety Reduction Treatment for HIV+ Individuals

Investigator: Tackett, Jennifer Dr. 100%
Award Amount: \$64,800.00
Cost Center: 00730 / 5021 / H0125 / B0001 / G105279 / 52299
Agency: National Center for Responsible Gaming
Pass_Thru Agency:
Agency Type: NON PROFIT
Duration: 1/1/2012 to 12/31/2014
CFDA:
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: The Peer Group Regulates Motivational Pathways to Gambling in Youth: Implications for Early Intervention

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COLLEGE OF LIBERAL ARTS AND SOCIAL SCIENCES

Psychology

Investigator: Norton, Peter Dr. 50%
Award Amount: \$21,000.00
Cost Center: 00730 / 5013 / H0125 / B0100 / G105339 / 53125
Agency: National Institute on Drug Abuse
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 3/1/2012 to 2/28/2014
CFDA: 93.279 Drug Abuse Research Programs
CB Designation: Non Restricted Research
Project Type: Grant - Research
Project Title: Augmenting Smoking Cessation with Transdiagnostic CBT for Smokers with Anxiety Disorders -- Diversity Supplement

COLLEGE OF NATURAL SCIENCES AND MATHEMATICS

Biology/Biochemistry

Investigator: Wang, Yuhong Dr. 100%
Award Amount: \$60,000.00
Cost Center: 00730 / 5021 / H0104 / B0001 / C106803 / 53012
Agency: The Welch Foundation
Pass_Thru Agency:
Agency Type: FOUNDATION
Duration: 6/1/2013 to 5/31/2014
CFDA:
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: The kinetics and conformational changes during the peptidyl transferase reaction in single ribosomes

Investigator: Zhang, Xiaoliu Dr. 50%
Award Amount: \$70,000.00
Cost Center: 00730 / 5022 / H0515 / B0001 / C106633 / 53088
Agency: Lytixa Oncology Ltd.
Pass_Thru Agency:
Agency Type: PROFIT
Duration: 5/1/2012 to 4/30/2013
CFDA:
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: FusOn-H2

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

Investigator: Azevedo, Ricardo Dr. 50%
Award Amount: \$148,113.00
Cost Center: 00730 / 5013 / H0104 / B0001 / G105546 / 52914
Agency: National Institute of General Medical Sciences
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 5/1/2013 to 4/30/2014
CFDA: 93.859 Pharmacology, Physiology, and Biological Chemistry Research
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Mutation accumulation in the ciliate Tetrahymena thermophila

Investigator: Zufall, Rebecca Dr. 50%
Award Amount: \$148,113.00
Cost Center: 00730 / 5013 / H0104 / B0001 / G105546 / 52914
Agency: National Institute of General Medical Sciences
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 5/1/2013 to 4/30/2014
CFDA: 93.859 Pharmacology, Physiology, and Biological Chemistry Research
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Mutation accumulation in the ciliate Tetrahymena thermophila

Investigator: Yeo, Hye-Jeong Dr. 100%
Award Amount: \$60,000.00
Cost Center: 00730 / 5021 / H0104 / B0001 / C106801 / 53019
Agency: The Welch Foundation
Pass_Thru Agency:
Agency Type: FOUNDATION
Duration: 6/1/2013 to 5/31/2014
CFDA:
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Structural Studies of Novel Surface Polypeptides

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

Investigator: Zhang, Xiaoliu Dr. 50%
Award Amount: \$70,000.00
Cost Center: 00730 / 5022 / H0515 / B0001 / C106633 / 53088
Agency: Lytica Oncology Ltd.
Pass_Thru Agency:
Agency Type: PROFIT
Duration: 5/1/2012 to 4/30/2013
CFDA:
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: FusOn-H2

Investigator: Zhang, Xiaoliu Dr. 100%
Award Amount: \$132,842.00
Cost Center: 00730 / 5013 / H0515 / B0001 / G099896 / 45068
Agency: National Cancer Institute
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 9/14/2009 to 11/30/2013
CFDA: 93.395 Cancer Treatment Research
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Development of an HSV-2 Based Oncolytic Virus

Investigator: Bondesson Bolin, Eva Maria Dr. 50%
Award Amount: \$46,979.50
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**Center for Nuclear Receptors and Cell Signaling**

Investigator: Zhang, Xiaoliu Dr. 100%
Award Amount: \$24,922.00
Cost Center: 00730 / 5013 / H0515 / B0001 / G103364 / 51760
Agency: National Cancer Institute
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 8/1/2012 to 11/30/2013
CFDA: 93.395 Cancer Treatment Research
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Development of an HSV-2 based oncolytic virus

Investigator: Gustafsson, Jan-Ake Dr. 50%
Award Amount: \$46,979.50
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

Chemistry

Investigator: Coltart, Don Dr. 100%
Award Amount: \$60,000.00
Cost Center: 00730 / 5021 / H0107 / B0001 / C106435 / 52994
Agency: The Welch Foundation
Pass_Thru Agency:
Agency Type: FOUNDATION
Duration: 6/1/2013 to 5/31/2014
CFDA:
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: New Catalytic Asymmetric Carbon-Carbon Bond Forming Methods

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COLLEGE OF NATURAL SCIENCES AND MATHEMATICS**Chemistry**

Investigator: Daugulis, Olafs Dr. 100%
Award Amount: \$100,000.00
Cost Center: 00730 / 5021 / H0107 / B0001 / C106419 / 52983
Agency: The Welch Foundation
Pass_Thru Agency:
Agency Type: FOUNDATION
Duration: 6/1/2013 to 5/31/2014
CFDA:
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Transition Metal Catalysis in Direct Arene and Alkane Functionalization

Investigator: Kadish, Karl M. Dr. 100%
Award Amount: \$100,000.00
Cost Center: 00730 / 5021 / H0107 / B0001 / C106416 / 52979
Agency: The Welch Foundation
Pass_Thru Agency:
Agency Type: FOUNDATION
Duration: 6/1/2013 to 5/31/2014
CFDA:
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Electrochemistry and Spectroelectrochemistry of Compounds with Multiple Redox Centers

Investigator: May, Jeremy Dr. 100%
Award Amount: \$60,000.00
Cost Center: 00730 / 5021 / H0107 / B0001 / C106440 / 52997
Agency: The Welch Foundation
Pass_Thru Agency:
Agency Type: FOUNDATION
Duration: 6/1/2013 to 5/31/2014
CFDA:
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: The Total Synthesis of Bioactive Natural Products via Novel Strategies

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COLLEGE OF NATURAL SCIENCES AND MATHEMATICS**Chemistry**

Investigator: Daugulis, Olafs Dr. 100%
Award Amount: \$285,713.00
Cost Center: 00730 / 5013 / H0107 / B0001 / G105517 / 53062
Agency: National Institutes of Health
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 6/1/2013 to 5/31/2017
CFDA: 93.859 Pharmacology, Physiology, and Biological Chemistry Research
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: New Methods for Direct Carbon-Hydrogen Bond Functionalization

Investigator: Bittner, Eric R. Dr. 100%
Award Amount: \$75,000.00
Cost Center: 00730 / 5021 / H0107 / B0001 / C106807 / 53009
Agency: The Welch Foundation
Pass_Thru Agency:
Agency Type: FOUNDATION
Duration: 6/1/2013 to 5/31/2014
CFDA:
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Theory and simulation of excited state electronic dynamics in organic solar cells

Investigator: Halasyamani, P. Shiv Dr. 100%
Award Amount: \$75,000.00
Cost Center: 00730 / 5021 / H0107 / B0001 / C106802 / 53020
Agency: The Welch Foundation
Pass_Thru Agency:
Agency Type: FOUNDATION
Duration: 6/1/2013 to 5/31/2014
CFDA:
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Synthesis, Crystal Growth, and Structure-Property Relationships in New Multi-Functional Polar Oxide Materials

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COLLEGE OF NATURAL SCIENCES AND MATHEMATICS**Chemistry**

Investigator: Lee, T. Randall Dr. 100%
Award Amount: \$67,900.00
Cost Center: 00730 / 5013 / H0107 / B0001 / G101527 / 49567
Agency: Methodist Hospital Research Institute
Pass_Thru Agency: U.S. Army Medical Research Acquisition Activity
Agency Type: FEDERAL
Duration: 4/15/2011 to 5/15/2013
CFDA: 12.420 Military Medical Research and Development
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Gold Nanoshells: Delivery of Biological Therapeutics to the Macula

Investigator: Lee, T. Randall Dr. 100%
Award Amount: \$75,000.00
Cost Center: 00730 / 5021 / H0107 / B0001 / C106797 / 53015
Agency: The Welch Foundation
Pass_Thru Agency:
Agency Type: FOUNDATION
Duration: 6/1/2013 to 5/31/2014
CFDA:
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Dithiocarboxylates and Structural Analogs for Generating Patterned Surfaces and Stable Nanoparticles

Investigator: Baldelli, Steve Dr. 100%
Award Amount: \$60,000.00
Cost Center: 00730 / 5021 / H0107 / B0001 / C106794 / 53021
Agency: The Welch Foundation
Pass_Thru Agency:
Agency Type: FOUNDATION
Duration: 6/1/2013 to 5/31/2014
CFDA:
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Structure and Orientation Of Room-Temperature Ionic Liquids at the Electrified Graphene Interface

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COLLEGE OF NATURAL SCIENCES AND MATHEMATICS**Chemistry**

Investigator: Guloy, Arnold M. Dr. 100%
Award Amount: \$75,000.00
Cost Center: 00730 / 5021 / H0107 / B0001 / C106461 / 52981
Agency: The Welch Foundation
Pass_Thru Agency:
Agency Type: FOUNDATION
Duration: 6/1/2013 to 5/31/2014
CFDA:
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Chemical Bonding and Reactivity of Intermetallics along the Border between Metals and Nonmetals

Investigator: Miljanic, Ognjen Dr. 100%
Award Amount: \$50,000.00
Cost Center: 00730 / 5021 / H0107 / B0001 / C106810 / 52976
Agency: The Welch Foundation
Pass_Thru Agency:
Agency Type: FOUNDATION
Duration: 6/1/2013 to 5/31/2014
CFDA:
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Conjugated Benzobisoxazole Cruciforms as Fluorescent Sensors in Solution and Solid State

Investigator: Thummel, Randolph P. Dr. 100%
Award Amount: \$75,000.00
Cost Center: 00730 / 5021 / H0107 / B0001 / C106799 / 53017
Agency: The Welch Foundation
Pass_Thru Agency:
Agency Type: FOUNDATION
Duration: 6/1/2013 to 5/31/2014
CFDA:
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: The Design and Synthesis of Azaaromatic Ligands and the Study of their Metal Complexes

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COLLEGE OF NATURAL SCIENCES AND MATHEMATICS**Chemistry**

Investigator: Cai, Chengzhi Dr. 20%
Award Amount: \$67,650.20
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)

Investigator: Hoffman, David M. Dr. 100%
Award Amount: \$60,000.00
Cost Center: 00730 / 5021 / H0107 / B0001 / C106806 / 53011
Agency: The Welch Foundation
Pass_Thru Agency:
Agency Type: FOUNDATION
Duration: 6/1/2013 to 5/31/2014
CFDA:
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Synthesis of Metal Complexes with Sterically Encumbered Ketimide Ligands

Investigator: Lubchenko, Vassily Dr. 100%
Award Amount: \$50,000.00
Cost Center: 00730 / 5021 / H0107 / B0001 / C106808 / 52996
Agency: The Welch Foundation
Pass_Thru Agency:
Agency Type: FOUNDATION
Duration: 6/1/2013 to 5/31/2014
CFDA:
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: New Type of Electronic States in Vitreous Chalcogenides and Phictides

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COLLEGE OF NATURAL SCIENCES AND MATHEMATICS**Chemistry**

Investigator: Miljanic, Ognjen Dr. 100%
Award Amount: \$120,000.00
Cost Center: 00730 / 5013 / H0107 / B0001 / G104099 / 50333
Agency: National Science Foundation
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 6/1/2012 to 5/31/2017
CFDA: 47.049 Mathematical and Physical Sciences
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: CAREER: Kinetic Self-Sorting of Dynamic Combinatorial Libraries

Computer Science

Investigator: Chapman, Barbara M. Dr. 50%
Award Amount: \$25,000.00
Cost Center: 00730 / 5022 / H0246 / B0001 / G106644 / 52884
Agency: Semiconductor Research Corp.
Pass_Thru Agency:
Agency Type: PROFIT
Duration: 4/1/2013 to 3/31/2014
CFDA:
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Effective Programming Strategies for Multicore Embedded Systems

Investigator: Shah, Shishir Dr. 16%
Award Amount: \$93,663.84
Cost Center: 00730 / 5013 / H0288 / B0001 / G105552 / 52951
Agency: U.S. Army Research Office
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 5/1/2013 to 4/30/2016
CFDA: 12.630 Basic, Applied, and Advanced Research in Science and Engineering
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Face Recognition for Unconstrained Maritime Applications

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

Investigator: Kakadiaris, Ioannis Dr. 17%
Award Amount: \$99,517.83
Cost Center: 00730 / 5013 / H0288 / B0001 / G105552 / 52951
Agency: U.S. Army Research Office
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 5/1/2013 to 4/30/2016
CFDA: 12.630 Basic, Applied, and Advanced Research in Science and Engineering
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Face Recognition for Unconstrained Maritime Applications

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:
Agency Type: PROFIT
Duration: 2/1/2013 to 1/31/2018
CFDA:
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

Investigator: Chapman, Barbara M. Dr. 100%
Award Amount: \$32,800.00
Cost Center: 00730 / 5022 / H0108 / B0001 / G105518 / 51920
Agency: Shell International Exploration and Production Inc.
Pass_Thru Agency:
Agency Type: PROFIT
Duration: 10/1/2012 to 9/30/2013
CFDA:
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Novel algorithms and their implementations for heterogeneous computing in the Oil & Gas industry

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

Investigator: Zhou, Hua-Wei Dr. 100%
Award Amount: \$95,910.65
Cost Center: 00730 / 5022 / H0109 / B0001 / C106335 / 52386
Agency: Bureau of Geophysical Prospecting
Pass_Thru Agency:
Agency Type: PROFIT
Duration: 2/1/2013 to 9/30/2014
CFDA:
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Monitoring and retrieving of low-frequency signals from geophone data

Investigator: Zhou, Hua-Wei Dr. 100%
Award Amount: \$78,786.00
Cost Center: 00730 / 5022 / H0109 / B0001 / C106334 / 52385
Agency: Reliable GeoInfo, Inc.
Pass_Thru Agency:
Agency Type: PROFIT
Duration: 3/1/2013 to 8/31/2015
CFDA:
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Monitoring and retrieving of low-frequency signals from geophone data

Investigator: Sager, William 100%
Award Amount: \$85,083.00
Cost Center: 00730 / 5013 / H0109 / B0001 / G106777 / 53160
Agency: National Science Foundation
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 3/2/2013 to 8/31/2014
CFDA: 47.050 Geosciences
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Collaborative Research: A Deep-AUV Magnetic and Seismic Study of the Hawaiian Jurassic Crust - The Global Significance of Jurassic Magnetic Anomalies

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Division of Research
New/Continuation Sponsored Research Grants and Contracts
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COLLEGE OF NATURAL SCIENCES AND MATHEMATICS**Earth & Atmospheric Sciences**

Investigator: Wellner, Julia Dr. 100%
Award Amount: \$39,649.00
Cost Center: 00730 / 5013 / H0109 / B0001 / G106753 / 52980
Agency: National Science Foundation
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 5/1/2013 to 4/30/2014
CFDA: 47.078 NSF Polar Programs
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Antarctic Geologic Drilling Workshop

Investigator: Sager, William 100%
Award Amount: \$137,500.00
Cost Center: 00730 / 5013 / H0109 / B0001 / G106752 / 52978
Agency: National Science Foundation
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 3/2/2013 to 8/31/2015
CFDA: 47.050 Geosciences
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Collaborative Research: Plate Tectonic and Geochemical Evolution of the Young Walvis Ridge and Implications for African Plate Motion Modeling

Investigator: Han, De-Hua Dr. 100%
Award Amount: \$160,000.00
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

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New/Continuation Sponsored Research Grants and Contracts
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COLLEGE OF NATURAL SCIENCES AND MATHEMATICS**Earth & Atmospheric Sciences**

Investigator: Lefer, Barry Dr. 50%
Award Amount: \$47,500.00
Cost Center: 00730 / 5018 / H0429 / B0001 / G106813 / 53157
Agency: University of Texas at Austin
Pass_Thru Agency: Texas Commission on Environmental Quality
Agency Type: STATE
Duration: 4/2/2013 to 7/31/2013
CFDA:
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Surface Measurements and One-Dimensional Modeling Related to Ozone Formation in the Suburban Dallas-Fort Worth Area

Institute for Climate and Atmospheric Science

Investigator: Lefer, Barry Dr. 50%
Award Amount: \$47,500.00
Cost Center: 00730 / 5018 / H0429 / B0001 / G106813 / 53157
Agency: University of Texas at Austin
Pass_Thru Agency: Texas Commission on Environmental Quality
Agency Type: STATE
Duration: 4/2/2013 to 7/31/2013
CFDA:
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Surface Measurements and One-Dimensional Modeling Related to Ozone Formation in the Suburban Dallas-Fort Worth Area

Mathematics

Investigator: Evans, Paige Dr. 100%
Award Amount: \$80,000.00
Cost Center: 00730 / 5021 / H0110 / B0100 / C106317 / 53162
Agency: Harris Foundation
Pass_Thru Agency:
Agency Type: FOUNDATION
Duration: 1/31/2013 to 1/31/2014
CFDA:
CB Designation: Non Restricted Research
Project Type: Contract - Research
Project Title: Exxonmobil Benard Harris Summer Science Camp 2013

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COLLEGE OF NATURAL SCIENCES AND MATHEMATICS**Mathematics**

Investigator: Josic, Kresimir Dr. 50%
Award Amount: \$60,464.50
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

Investigator: Ott, William Dr. 50%
Award Amount: \$60,464.50
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

Investigator: Papadakis, Emanuel Dr. 16%
Award Amount: \$93,663.84
Cost Center: 00730 / 5013 / H0288 / B0001 / G105552 / 52951
Agency: U.S. Army Research Office
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 5/1/2013 to 4/30/2016
CFDA: 12.630 Basic, Applied, and Advanced Research in Science and Engineering
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Face Recognition for Unconstrained Maritime Applications

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New/Continuation Sponsored Research Grants and Contracts
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COLLEGE OF NATURAL SCIENCES AND MATHEMATICS**Physics**

Investigator: Chu, Wei-Kan Dr. 50%
Award Amount: \$25,000.00
Cost Center: 00730 / 5015 / H0452 / B0001 / G106161 / 53029
Agency: University of Texas - Dallas
Pass_Thru Agency: U.S. Air Force Office of Scientific Research
Agency Type: FEDERAL
Duration: 4/15/2013 to 4/15/2014
CFDA: 12.800 Air Force Defense Research Sciences Program
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Ion Implantation of Pnictides in Search for High Temperature Superconductivity

Investigator: Ting, Chin-Sen Dr. 100%
Award Amount: \$100,000.00
Cost Center: 00730 / 5021 / H0112 / B0001 / C106804 / 53013
Agency: The Welch Foundation
Pass_Thru Agency:
Agency Type: FOUNDATION
Duration: 6/1/2013 to 5/31/2014
CFDA:
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Superconductivity in Fe-Pnictides and Strongly Correlated Electron Systems

Investigator: Su, Wu-Pei Dr. 100%
Award Amount: \$60,000.00
Cost Center: 00730 / 5021 / H0112 / B0001 / C106798 / 53016
Agency: The Welch Foundation
Pass_Thru Agency:
Agency Type: FOUNDATION
Duration: 6/1/2013 to 5/31/2014
CFDA:
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: A Real Space Approach to the Macromolecular X-ray Phase Problem

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Division of Research
New/Continuation Sponsored Research Grants and Contracts
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COLLEGE OF NATURAL SCIENCES AND MATHEMATICS**Physics**

Investigator: Whitehead, Lisa Dr. 100%
Award Amount: \$188,000.00
Cost Center: 00730 / 5013 / H0112 / B0001 / G104646 / 51197
Agency: U.S. Department of Energy
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 7/1/2012 to 6/30/2014
CFDA: 81.049 Office of Energy Research Financial Assistance Program
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Precision Measurement of Electron Antineutrino Disappearance in the Daya Bay Experiment

Investigator: Ren, Zhifeng Dr. 50%
Award Amount: \$47,386.50
Cost Center: 00730 / 5021 / H0452 / B0001 / G106542 / 52712
Agency: Massachusetts Institute of Technology
Pass_Thru Agency: Bosch Inc
Agency Type: PROFIT
Duration: 10/1/2012 to 4/30/2013
CFDA:
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Thermoelectric Systems and Materials for Residential Heat and Electricity Co-generation

Investigator: Ren, Zhifeng Dr. 50%
Award Amount: \$53,822.50
Cost Center: 00730 / 5013 / H0452 / B0001 / G106512 / 52713
Agency: Massachusetts Institute of Technology
Pass_Thru Agency: Defense Threat Reduction Agency
Agency Type: FEDERAL
Duration: 12/1/2012 to 5/31/2013
CFDA: 12.351 Basic Scientific Research - Combating Weapons of Mass Destruction
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Composite-Nanoparticles Thermal History Sensors

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New/Continuation Sponsored Research Grants and Contracts
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COLLEGE OF NATURAL SCIENCES AND MATHEMATICS**Physics**

Investigator: Lan, Yucheng 33%
Award Amount: \$113,345.76
Cost Center: 00730 / 5043 / H0452 / B0001 / G106483 / 52950
Agency: U.S. Air Force Academy
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 5/1/2013 to 4/30/2018
CFDA: 12.800 Air Force Defense Research Sciences Program
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Vibration Spectrometer for Detecting Single Atoms Using Carbon Nanotube Resonator Arrays

Investigator: Chen, Shuo 33%
Award Amount: \$113,345.76
Cost Center: 00730 / 5043 / H0452 / B0001 / G106483 / 52950
Agency: U.S. Air Force Academy
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 5/1/2013 to 4/30/2018
CFDA: 12.800 Air Force Defense Research Sciences Program
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Vibration Spectrometer for Detecting Single Atoms Using Carbon Nanotube Resonator Arrays

Investigator: Ren, Zhifeng Dr. 17%
Award Amount: \$58,390.24
Cost Center: 00730 / 5043 / H0452 / B0001 / G106483 / 52950
Agency: U.S. Air Force Academy
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 5/1/2013 to 4/30/2018
CFDA: 12.800 Air Force Defense Research Sciences Program
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Vibration Spectrometer for Detecting Single Atoms Using Carbon Nanotube Resonator Arrays

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Division of Research
New/Continuation Sponsored Research Grants and Contracts
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COLLEGE OF OPTOMETRY**Optometry, Community**

Investigator: Burns, Alan Dr. 100%
Award Amount: \$105,000.00
Cost Center: 00730 / 5013 / H0114 / B0001 / G104849 / 53158
Agency: Baylor College of Medicine
Pass_Thru Agency: National Institutes of Health
Agency Type: FEDERAL
Duration: 2/1/2013 to 1/31/2014
CFDA: 93.839 Blood Diseases and Resources Research
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Platelets and Their Microparticles in the Inflamed Microcirculation

Investigator: Nichols, Jason Dr. 100%
Award Amount: \$127,014.00
Cost Center: 00730 / 5022 / H0114 / B0001 / G106781 / 52936
Agency: Allergan, Inc.
Pass_Thru Agency:
Agency Type: PROFIT
Duration: 4/5/2013 to 10/31/2014
CFDA:
CB Designation: Restricted Research
Project Type: Contract - Research
Project Title: 10077X-001 : A Multi-center, Double-masked, Randomized, Parallel Group Investigation to Compare an Investigational Eye Drop Formulation with Refresh Contacts with Used for 90 Days with Hydrogel, Silicone Hydrogel and Rigid Gas Permeable Lenses

Investigator: McDermott, Alison Dr. 80%
Award Amount: \$270,600.80
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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COLLEGE OF PHARMACY**Clinical Sciences and Administration**

Investigator: Prince, Randall A. Dr. 100%
Award Amount: \$15,277.96
Cost Center: 00730 / 5022 / H0118 / B0001 / G098181 / 45150
Agency: University of Texas MD Anderson Cancer Center
Pass_Thru Agency: Enzon Pharmaceuticals
Agency Type: PROFIT
Duration: 9/15/2009 to 3/31/2015
CFDA:
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Amphotericin B Project

Investigator: Garey, Kevin Dr. 40%
Award Amount: \$38,926.40
Cost Center: 00730 / 5022 / H0118 / B0001 / C106506 / 52938
Agency: Cubist Pharmaceuticals
Pass_Thru Agency:
Agency Type: PROFIT
Duration: 4/5/2013 to 6/30/2014
CFDA:
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Impact of CB-183,315 exposure on in vitro inflammatory response

Investigator: Shah, Dhara Dr. 60%
Award Amount: \$58,389.60
Cost Center: 00730 / 5022 / H0118 / B0001 / C106506 / 52938
Agency: Cubist Pharmaceuticals
Pass_Thru Agency:
Agency Type: PROFIT
Duration: 4/5/2013 to 6/30/2014
CFDA:
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Impact of CB-183,315 exposure on in vitro inflammatory response

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New/Continuation Sponsored Research Grants and Contracts
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COLLEGE OF PHARMACY**Heart and Kidney Institute**

Investigator: Hussain, Tahir Dr. 50%
Award Amount: \$68,526.75
Cost Center: 00730 / 5013 / H0117 / B0001 / G105636 / 51844
Agency: National Institute of Diabetes and Digestive and Kidney Diseases
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 9/1/2012 to 8/31/2014
CFDA: 93.847 Diabetes, Endocrinology and Metabolism Research
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Renal Angiotensin II Receptor Function in Obesity (R01 DK061578-07)

Pharmacological and Pharmaceutical Sciences

Investigator: Cuny, Gregory Dr. 100%
Award Amount: \$23,248.00
Cost Center: 00730 / 5013 / H0117 / B0001 / G105196 / 51292
Agency: Harvard Medical School
Pass_Thru Agency: National Institute of Allergy and Infectious Diseases
Agency Type: FEDERAL
Duration: 3/1/2012 to 2/28/2014
CFDA: 93.855 Allergy, Immunology, and Transplantation Research
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: NECO004: Small Molecule Screening and Medicinal Chemistry Core (Core C)

Investigator: Cuny, Gregory Dr. 100%
Award Amount: \$85,517.00
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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New/Continuation Sponsored Research Grants and Contracts
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COLLEGE OF PHARMACY**Pharmacological and Pharmaceutical Sciences**

Investigator: Hussain, Tahir Dr. 50%
Award Amount: \$68,526.75
Cost Center: 00730 / 5013 / H0117 / B0001 / G105636 / 51844
Agency: National Institute of Diabetes and Digestive and Kidney Diseases
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 9/1/2012 to 8/31/2014
CFDA: 93.847 Diabetes, Endocrinology and Metabolism Research
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Renal Angiotensin II Receptor Function in Obesity (R01 DK061578-07)

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

Investigator: Bao, Jiming Dr. 50%
Award Amount: \$37,500.00
Cost Center: 00730 / 5021 / H0070 / B0001 / C106445 / 52989
Agency: The Welch Foundation
Pass_Thru Agency:
Agency Type: FOUNDATION
Duration: 6/1/2013 to 5/31/2014
CFDA:
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Understanding Nanocrystalline CoO as an Efficient Photocatalyst for Solar Water Splitting

Chemical Engineering

Investigator: Krishnamoorti, Ramanan Dr. 50%
Award Amount: \$36,000.00
Cost Center: 00730 / 5022 / H0067 / B0001 / C106366 / 52864
Agency: Halliburton Energy Services
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: Modeling and Experimental Studies on Carbonate Acidization with In-situ Cross-linked Acids

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CULLEN COLLEGE OF ENGINEERING**Chemical Engineering**

Investigator: Balakotaiah, Vemuri Dr. 50%
Award Amount: \$36,000.00
Cost Center: 00730 / 5022 / H0067 / B0001 / C106366 / 52864
Agency: Halliburton Energy Services
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: Modeling and Experimental Studies on Carbonate Acidization with In-situ Cross-linked Acids

Investigator: Varadarajan, Navin Dr. 100%
Award Amount: \$50,000.00
Cost Center: 00730 / 5021 / H0067 / B0001 / C106809 / 52995
Agency: The Welch Foundation
Pass_Thru Agency:
Agency Type: FOUNDATION
Duration: 6/1/2013 to 5/31/2014
CFDA:
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Engineering Chymotrypsin to Selectively Cleave After Phosphotyrosine

Investigator: Rimer, Jeffrey Dr. 100%
Award Amount: \$60,000.00
Cost Center: 00730 / 5021 / H0067 / B0001 / C106805 / 53010
Agency: The Welch Foundation
Pass_Thru Agency:
Agency Type: FOUNDATION
Duration: 6/1/2013 to 5/31/2014
CFDA:
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Physicochemical Factors Governing Protein Inhibition of Calcium Oxalate Monohydrate Crystallization

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CULLEN COLLEGE OF ENGINEERING**Chemical Engineering**

Investigator: Harold, Michael Dr. 34%
Award Amount: \$32.56
Cost Center: 00730 / 5033 / H0067 / B0001 / G099192 / 45352
Agency: U.S. Environmental Protection Agency
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 8/1/2009 to 4/30/2012
CFDA: 66.039 National Clean Diesel Funding Assistance Program
CB Designation: Restricted Research
Project Type: Co-Op Agreement - Research
Project Title: ARRA - ET University of Houston TECT

Investigator: Willson, Richard C. Dr. 100%
Award Amount: \$60,000.00
Cost Center: 00730 / 5021 / H0067 / B0001 / C106800 / 53018
Agency: The Welch Foundation
Pass_Thru Agency:
Agency Type: FOUNDATION
Duration: 6/1/2013 to 5/31/2014
CFDA:
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Physical Chemistry of Molecular Recognition

Investigator: Holley, Thomas Dr. 100%
Award Amount: \$128,000.00
Cost Center: 00730 / 5021 / H0067 / B0001 / C106750 / 53159
Agency: Pandit Deendayal Petroleum University (PDPU)
Pass_Thru Agency:
Agency Type: UNIVERSITY
Duration: 6/1/2013 to 6/22/2013
CFDA:
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Study in Houston 2013

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CULLEN COLLEGE OF ENGINEERING**Chemical Engineering**

Investigator: Holley, Thomas Dr. 100%
Award Amount: \$64,000.00
Cost Center: 00730 / 5021 / H0067 / A0001 / C106749 / 52977
Agency: Rajiv Gandhi Institute of Petroleum Technology
Pass_Thru Agency:
Agency Type: UNIVERSITY
Duration: 6/1/2013 to 6/22/2013
CFDA:
CB Designation: Non Research
Project Type: Contract - Instruction
Project Title: Study in Houston 2013

Investigator: Muncrief, Rachel Dr. 33%
Award Amount: \$31.60
Cost Center: 00730 / 5033 / H0067 / B0001 / G099192 / 45352
Agency: U.S. Environmental Protection Agency
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 8/1/2009 to 4/30/2012
CFDA: 66.039 National Clean Diesel Funding Assistance Program
CB Designation: Restricted Research
Project Type: Co-Op Agreement - Research
Project Title: ARRA - ET University of Houston TECT

Investigator: Rooks, Charles Dr. 33%
Award Amount: \$31.60
Cost Center: 00730 / 5033 / H0067 / B0001 / G099192 / 45352
Agency: U.S. Environmental Protection Agency
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 8/1/2009 to 4/30/2012
CFDA: 66.039 National Clean Diesel Funding Assistance Program
CB Designation: Restricted Research
Project Type: Co-Op Agreement - Research
Project Title: ARRA - ET University of Houston TECT

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Division of Research
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CULLEN COLLEGE OF ENGINEERING**Civil Engineering**

Investigator: Rifai, Hanadi Dr. 100%
Award Amount: \$167.50
Cost Center: 00730 / 5014 / H0068 / B0001 / G102908 / 47795
Agency: Texas Commission on Environmental Quality
Pass_Thru Agency: U.S. Environmental Protection Agency
Agency Type: FEDERAL
Duration: 12/1/2010 to 8/31/2011
CFDA: 66.419 Water Pollution Control - State and Interstate Program Support
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Survey of PCBs and Dioxin in the Galveston Bay System

Investigator: Rifai, Hanadi Dr. 100%
Award Amount: \$93,000.00
Cost Center: 00730 / 5014 / H0068 / B0001 / G106724 / 53059
Agency: Texas Commission on Environmental Quality
Pass_Thru Agency: U.S. Environmental Protection Agency
Agency Type: FEDERAL
Duration: 3/27/2013 to 8/31/2013
CFDA: 66.419 Water Pollution Control - State and Interstate Program Support
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Recovery Potential Screening Project-Basin 18 and Basin 19 Bacteria Listings

Investigator: Rifai, Hanadi Dr. 100%
Award Amount: \$155,000.00
Cost Center: 00730 / 5014 / H0068 / B0001 / G106549 / 52773
Agency: Texas Commission on Environmental Quality
Pass_Thru Agency: U.S. Environmental Protection Agency
Agency Type: FEDERAL
Duration: 2/19/2013 to 8/31/2013
CFDA: 66.419 Water Pollution Control - State and Interstate Program Support
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Total Maximum Daily Loads (TMDLs) for Indicator Bacteria in the Armand Bayou Watershed

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Division of Research
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CULLEN COLLEGE OF ENGINEERING**Electrical & Computer Engineering**

Investigator: Kayali, Mohammad Dr. 20%
Award Amount: \$6,000.00
Cost Center: 00730 / 5022 / H0070 / B0001 / G101781 / 46615
Agency: Mixed Multi-Donors
Pass_Thru Agency:
Agency Type: PROFIT
Duration: 4/26/2010 to 6/30/2013
CFDA:
CB Designation: Restricted Research
Project Type: Special Research Agreement - Research
Project Title: Membership - Center for Electromagnetic compatibility Research

Investigator: Chen, Ji Dr. 80%
Award Amount: \$24,000.00
Cost Center: 00730 / 5022 / H0070 / B0001 / G101781 / 46615
Agency: Mixed Multi-Donors
Pass_Thru Agency:
Agency Type: PROFIT
Duration: 4/26/2010 to 6/30/2013
CFDA:
CB Designation: Restricted Research
Project Type: Special Research Agreement - Research
Project Title: Membership - Center for Electromagnetic compatibility Research

Investigator: Bao, Jiming Dr. 50%
Award Amount: \$37,500.00
Cost Center: 00730 / 5021 / H0070 / B0001 / C106445 / 52989
Agency: The Welch Foundation
Pass_Thru Agency:
Agency Type: FOUNDATION
Duration: 6/1/2013 to 5/31/2014
CFDA:
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Understanding Nanocrystalline CoO as an Efficient Photocatalyst for Solar Water Splitting

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CULLEN COLLEGE OF ENGINEERING**Mechanical Engineering**

Investigator: Franchek, Matthew Dr. 50%
Award Amount: \$5,454.54
Cost Center: 00730 / 5016 / H0073 / B0001 / G106197 / 52304
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: \$5,454.54
Cost Center: 00730 / 5016 / H0073 / B0001 / G106197 / 52304
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

DIVISION OF RESEARCH**TcSUH**

Investigator: Chu, Wei-Kan Dr. 50%
Award Amount: \$25,000.00
Cost Center: 00730 / 5015 / H0452 / B0001 / G106161 / 53029
Agency: University of Texas - Dallas
Pass_Thru Agency: U.S. Air Force Office of Scientific Research
Agency Type: FEDERAL
Duration: 4/15/2013 to 4/15/2014
CFDA: 12.800 Air Force Defense Research Sciences Program
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Ion Implantation of Pnictides in Search for High Temperature Superconductivity

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

DIVISION OF RESEARCH**TcSUH**

Investigator: Ren, Zhifeng Dr. 50%
Award Amount: \$47,386.50
Cost Center: 00730 / 5021 / H0452 / B0001 / G106542 / 52712
Agency: Massachusetts Institute of Technology
Pass_Thru Agency: Bosch Inc
Agency Type: PROFIT
Duration: 10/1/2012 to 4/30/2013
CFDA:
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Thermoelectric Systems and Materials for Residential Heat and Electricity Co-generation

Investigator: Ren, Zhifeng Dr. 50%
Award Amount: \$53,822.50
Cost Center: 00730 / 5013 / H0452 / B0001 / G106512 / 52713
Agency: Massachusetts Institute of Technology
Pass_Thru Agency: Defense Threat Reduction Agency
Agency Type: FEDERAL
Duration: 12/1/2012 to 5/31/2013
CFDA: 12.351 Basic Scientific Research - Combating Weapons of Mass Destruction
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Composite-Nanoparticles Thermal History Sensors

Investigator: Ren, Zhifeng Dr. 17%
Award Amount: \$58,390.24
Cost Center: 00730 / 5043 / H0452 / B0001 / G106483 / 52950
Agency: U.S. Air Force Academy
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 5/1/2013 to 4/30/2018
CFDA: 12.800 Air Force Defense Research Sciences Program
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Vibration Spectrometer for Detecting Single Atoms Using Carbon Nanotube Resonator Arrays

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Division of Research
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Fiscal Year 2013 - Received during MAY

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

Investigator: Kouri, Donald J. Dr. 100%
Award Amount: \$75,000.00
Cost Center: 00730 / 5021 / H0246 / B0001 / C106796 / 53014
Agency: The Welch Foundation
Pass_Thru Agency:
Agency Type: FOUNDATION
Duration: 6/1/2013 to 5/31/2014
CFDA:
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Supersymmetric Quantum Mechanics: Accurate Excited State Energies and Wave Functions

Investigator: Chapman, Barbara M. Dr. 50%
Award Amount: \$25,000.00
Cost Center: 00730 / 5022 / H0246 / B0001 / G106644 / 52884
Agency: Semiconductor Research Corp.
Pass_Thru Agency:
Agency Type: PROFIT
Duration: 4/1/2013 to 3/31/2014
CFDA:
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Effective Programming Strategies for Multicore Embedded Systems

TIMES

Investigator: Kakadiaris, Ioannis Dr. 17%
Award Amount: \$99,517.83
Cost Center: 00730 / 5013 / H0288 / B0001 / G105552 / 52951
Agency: U.S. Army Research Office
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 5/1/2013 to 4/30/2016
CFDA: 12.630 Basic, Applied, and Advanced Research in Science and Engineering
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Face Recognition for Unconstrained Maritime Applications

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Fiscal Year 2013 - Received during MAY

DIVISION OF RESEARCH

TIMES

Investigator: Papadakis, Emanuel Dr. 17%
Award Amount: \$99,517.83
Cost Center: 00730 / 5013 / H0288 / B0001 / G105552 / 52951
Agency: U.S. Army Research Office
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 5/1/2013 to 4/30/2016
CFDA: 12.630 Basic, Applied, and Advanced Research in Science and Engineering
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Face Recognition for Unconstrained Maritime Applications

Investigator: Shah, Shishir Dr. 17%
Award Amount: \$99,517.83
Cost Center: 00730 / 5013 / H0288 / B0001 / G105552 / 52951
Agency: U.S. Army Research Office
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 5/1/2013 to 4/30/2016
CFDA: 12.630 Basic, Applied, and Advanced Research in Science and Engineering
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Face Recognition for Unconstrained Maritime Applications

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

UH SYSTEM

KUHT-TV

Investigator: Shumate, Lisa Trapani Ms. 100%
Award Amount: \$59,642.00
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

REPORTING PERIOD ACTIVITY SUMMARY

Federal Funding: \$4,962,225.49
State Funding: \$95,000.00
Local Funding: \$0.00
Profit Funding: \$1,043,877.61
Non Profit Funding: \$126,049.00
Foundation Funding: \$1,621,900.08
University Funding: \$192,000.00
Total: \$8,041,052.18