

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

C.T. BAUER COLLEGE OF BUSINESS**Small Business Development Center**

Investigator: Young, Frederick Dr. 100%
Award Amount: \$300,000.00
Cost Center: 00730 / 5013 / H0053 / C0001 / G105174 / 51358
Agency: Defense Logistics Agency
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 8/1/2012 to 7/31/2013
CFDA: 12.002 Procurement Technical Assistance for Business Firms
CB Designation: Non Research
Project Type: Co-Op Agreement - Public Service
Project Title: DOD Procurement Technical Assistance Center Program

COLLEGE OF ARCHITECTURE**Architecture**

Investigator: Kacmar, Donna Dr. 100%
Award Amount: \$2,500.00
Cost Center: 00730 / 5021 / H0025 / C0001 / G105328 / 51376
Agency: Rice University
Pass_Thru Agency:
Agency Type: UNIVERSITY
Duration: 7/16/2012 to 7/15/2013
CFDA:
CB Designation: Non Research
Project Type: Grant - Research
Project Title: Initiatives of Houston

COLLEGE OF EDUCATION**Curriculum and Instruction**

Investigator: Dominey, Wallace Dr. 100%
Award Amount: \$12,000.00
Cost Center: 00730 / 5013 / H0062 / B0001 / C104952 / 51355
Agency: Texas Christian University - Andrews Institute
Pass_Thru Agency: U.S. Department of Education
Agency Type: FEDERAL
Duration: 12/16/2011 to 12/31/2012
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: Kubiszyn, Thomas Dr. 100%
Award Amount: \$930.00
Cost Center: 00730 / 5021 / H0064 / B0001 / G105512 / 51356
Agency: Baylor College of Medicine
Pass_Thru Agency:
Agency Type: UNIVERSITY
Duration: 7/16/2012 to 7/31/2012
CFDA:
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Simons Variation in Individuals Project

Investigator: Arbona, Consuelo Dr. 100%
Award Amount: \$9,544.00
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 11/30/2012
CFDA:
CB Designation: Non Restricted Research
Project Type: Grant - Research
Project Title: Educational Psychology Assistantship: Corey Heath

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

Investigator: Kanellos, Nicolas Dr. 100%
Award Amount: \$750.00
Cost Center: 00730 / 5017 / H0093 / C0001 / G104896 / 51334
Agency: Texas Commission on the Arts
Pass_Thru Agency: State of Texas
Agency Type: STATE
Duration: 4/1/2012 to 8/31/2012
CFDA:
CB Designation: Non Research
Project Type: Grant - Public Service
Project Title: TCA-Health & Human Services - Arts Respond Project

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COLLEGE OF LIBERAL ARTS AND SOCIAL SCIENCES**Modern/Classical Languages**

Investigator: Due-Hackney, Casey Dr. 100%
Award Amount: \$20,881.00
Cost Center: 00730 / 5013 / H0092 / B0001 / G104337 / 50925
Agency: National Endowment for the Humanities
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 5/1/2012 to 12/31/2013
CFDA: 45.163 Promotion of the Humanities_Professional Development NEH
CB Designation: Non Restricted Research
Project Type: Grant - Research
Project Title: Who Owns the Past?

Investigator: Wen, Xiaohong Dr. 100%
Award Amount: \$99,981.20
Cost Center: 00730 / 5013 / H0092 / A0001 / G104497 / 50781
Agency: National Security Agency
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 3/30/2012 to 2/28/2013
CFDA: 00.000 Not Elsewhere Classified
CB Designation: Non Research
Project Type: Grant - Instruction
Project Title: STARTALK Texas Teacher Program at the University of Houston

Political Science

Investigator: Bailey, Jeremy Dr. 100%
Award Amount: \$2,000.00
Cost Center: 00730 / 5021 / H0124 / C0001 / G105385 / 51301
Agency: Jack Miller Center
Pass_Thru Agency:
Agency Type: FOUNDATION
Duration: 6/18/2012 to 10/31/2012
CFDA:
CB Designation: Non Research
Project Type: Grant - Public Service
Project Title: Constitution Day Event

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

Investigator: Hannay, H. Julia Dr. 100%
Award Amount: \$22,260.00
Cost Center: 00730 / 5013 / H0125 / B0001 / G091086 / 38336
Agency: Baylor College of Medicine
Pass_Thru Agency: National Institute of Neurological Disorders and Stroke
Agency Type: FEDERAL
Duration: 3/15/2006 to 1/31/2013
CFDA: 93.853 Clinical Research Related to Neurological Disorders
CB Designation: Restricted Research
Project Type: Contract - Research
Project Title: Vascular Mechanisms of Secondary Injury After TBI

Investigator: Carlson, Coleen Dr. 20%
Award Amount: \$5,766.20
Cost Center: 00730 / 5018 / H0288 / B0001 / G105524 / 51400
Agency: University of Texas Health Science Center at Houston
Pass_Thru Agency: Texas Education Agency
Agency Type: STATE
Duration: 9/1/2011 to 8/31/2012
CFDA:
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: TPRI & Tejas LEE Print, Distribution and Development

Investigator: Mehta, Paras Dr. 20%
Award Amount: \$41,738.20
Cost Center: 00730 / 5013 / H0288 / B0001 / G096157 / 42840
Agency: Lehigh University
Pass_Thru Agency: USE DED000; U.S. Department of Education
Agency Type: FEDERAL
Duration: 7/1/2008 to 6/30/2013
CFDA: 84.324 Special Education Research
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: National Research & Development Center on Serious Behavior Disorders at the Secondary Level

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

Investigator: Gunaratne, Preethi Dr. 100%
Award Amount: \$30,800.00
Cost Center: 00730 / 5021 / H0104 / B0001 / G104111 / 50411
Agency: Northwestern University
Pass_Thru Agency: International Myeloma Foundation
Agency Type: FOUNDATION
Duration: 1/1/2012 to 12/31/2012
CFDA:
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Identification of Gene Networks Regulated by Glucocorticoids in Multiple Myeloma

Investigator: Wang, Yuhong Dr. 100%
Award Amount: \$80,000.00
Cost Center: 00730 / 1011 / H0104 / B0023 / G104758 / 51344
Agency: Texas Higher Education Coordinating Board - ARP
Pass_Thru Agency:
Agency Type: STATE
Duration: 7/1/2012 to 8/31/2014
CFDA:
CB Designation: Non Restricted Research
Project Type: Grant - Research
Project Title: Real Time Tracking of Substrate-Enzyme Interaction in Single Ribosomes

Investigator: Roman, Gregg Dr. 36%
Award Amount: \$64,125.00
Cost Center: 00730 / 5013 / H0117 / B0001 / G102544 / 49564
Agency: National Institute on Alcohol Abuse and Alcoholism
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 9/5/2011 to 6/30/2013
CFDA: 93.273 Alcohol Research Programs
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Characterization of a novel presynaptic target for ethanol action

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

Investigator: Frigo, Daniel Dr. 50%
Award Amount: \$45,890.00
Cost Center: 00730 / 5013 / H0515 / B0001 / G104234 / 51307
Agency: U.S. Army Medical Research Acquisition Activity
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 6/1/2012 to 5/31/2013
CFDA: 12.420 Military Medical Research and Development
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: CaMKK beta-AMPK Signaling Axis as a Biomarker and Therapeutic Target for Advanced Prostate Cancer

Investigator: Ziburkus, Jokubas Dr. 100%
Award Amount: \$16,871.00
Cost Center: 00730 / 5013 / H0104 / B0001 / G105335 / 51315
Agency: Penn State Hershey College of Medicine
Pass_Thru Agency: National Institute of Biomedical Imaging and Bioengineering
Agency Type: FEDERAL
Duration: 6/1/2012 to 7/31/2012
CFDA: 93.286 Biomedical Imaging Research
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: CRCNS: Collaborative Research: Model-Based Control Of Spreading Depression

Investigator: Gunaratne, Preethi Dr. 100%
Award Amount: \$109,999.00
Cost Center: 00730 / 5015 / H0104 / B0001 / G104004 / 51347
Agency: University of Texas - Cancer Center (M.D. Anderson Hosp. & Tumor Inst.)
Pass_Thru Agency: National Cancer Institute
Agency Type: FEDERAL
Duration: 5/1/2012 to 3/31/2013
CFDA: 93.393 Cancer Cause and Prevention Research
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Roles of p63 in regulation of microRNA and LincRNA targets in metastatic cancer

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

Investigator: Frigo, Daniel Dr. 50%
Award Amount: \$45,890.00
Cost Center: 00730 / 5013 / H0515 / B0001 / G104234 / 51307
Agency: U.S. Army Medical Research Acquisition Activity
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 6/1/2012 to 5/31/2013
CFDA: 12.420 Military Medical Research and Development
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: CaMKK beta-AMPK Signaling Axis as a Biomarker and Therapeutic Target for Advanced Prostate Cancer

Chemistry

Investigator: Cai, Chengzhi Dr. 100%
Award Amount: \$39,486.00
Cost Center: 00730 / 5013 / H0107 / B0001 / G104011 / 49269
Agency: Methodist Hospital Research Institute
Pass_Thru Agency: U.S. Army Medical Research and Material Command
Agency Type: FEDERAL
Duration: 9/29/2010 to 9/28/2012
CFDA: 12.420 Military Medical Research and Development
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Center for Nanotechnology Applications in Tissue Engineering of Vascular Grafts

Investigator: Thummel, Randolph P. Dr. 100%
Award Amount: \$170,000.00
Cost Center: 00730 / 5013 / H0107 / B0001 / G102386 / 49348
Agency: U.S. Department of Energy
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 7/1/2011 to 6/30/2013
CFDA: 81.049 Office of Energy Research Financial Assistance Program
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Further Studies on Photocatalytic Water Decomposition

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COLLEGE OF NATURAL SCIENCES AND MATHEMATICS**Chemistry**

Investigator: Baldelli, Steve Dr. 100%
Award Amount: \$1,000,000.00
Cost Center: 00730 / 5021 / H0107 / B0001 / G105559 / 51331
Agency: Keck Foundation
Pass_Thru Agency:
Agency Type: FOUNDATION
Duration: 7/1/2012 to 6/30/2015
CFDA:
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Super Chemical Imaging of Surfaces

Investigator: Cai, Chengzhi Dr. 100%
Award Amount: \$130,693.00
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

Investigator: Gilbertson, Scott Dr. 100%
Award Amount: \$152,903.36
Cost Center: 00730 / 5015 / H0107 / B0001 / G102593 / 47738
Agency: University of Texas Medical Branch at Galveston
Pass_Thru Agency: NIH/Office of Director
Agency Type: FEDERAL
Duration: 8/1/2010 to 7/31/2013
CFDA: 93.279 Drug Abuse Research Programs
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Translational Center on Serotonin and Stimulation Addiction

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

Investigator: Shi, Weidong Dr. 33%
Award Amount: \$82,482.18
Cost Center: 00730 / 5013 / H0108 / B0001 / G104842 / 51335
Agency: National Science Foundation
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 6/1/2012 to 5/31/2015
CFDA: 47.040 Computer and Information Science and Engineering
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: II-NEW:COLLABORATIVE: Image Processing Cloud (IPC): A Domain-Specific Cloud Computing Infrastructure for Research and Education

Investigator: Shah, Shishir Dr. 33%
Award Amount: \$82,482.18
Cost Center: 00730 / 5013 / H0108 / B0001 / G104842 / 51335
Agency: National Science Foundation
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 6/1/2012 to 5/31/2015
CFDA: 47.040 Computer and Information Science and Engineering
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: II-NEW:COLLABORATIVE: Image Processing Cloud (IPC): A Domain-Specific Cloud Computing Infrastructure for Research and Education

Investigator: Yan, Yonghong 34%
Award Amount: \$84,981.64
Cost Center: 00730 / 5013 / H0108 / B0001 / G104842 / 51335
Agency: National Science Foundation
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 6/1/2012 to 5/31/2015
CFDA: 47.040 Computer and Information Science and Engineering
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: II-NEW:COLLABORATIVE: Image Processing Cloud (IPC): A Domain-Specific Cloud Computing Infrastructure for Research and Education

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

Investigator: Mann, Paul Dr. 100%
Award Amount: \$240,000.00
Cost Center: 00730 / 5022 / H0109 / B0001 / G103956 / 49251
Agency: Various Private Profit Agencies
Pass_Thru Agency:
Agency Type: PROFIT
Duration: 6/1/2011 to 8/31/2014
CFDA:
CB Designation: Restricted Research
Project Type: Contract - Research
Project Title: Caribbean Basins, Tectonics, and Hydrocarbons - Phase III

Investigator: Lapen, Thomas Dr. 100%
Award Amount: \$65,000.00
Cost Center: 00730 / 5013 / H0109 / B0001 / G103777 / 51418
Agency: NASA - National Aeronautics and Space Administration - Headquarters (Wash., D.C.)
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 6/25/2012 to 6/24/2013
CFDA: 43.001 Aerospace Education Services Program
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Age and Lu-Hf isotope investigations of eucrite and angrite meteorites: Constraints on excess 176Hf in early solar system materials

Investigator: Mann, Paul Dr. 50%
Award Amount: \$80,979.50
Cost Center: 00730 / 5022 / H0109 / B0001 / G105490 / 51313
Agency: 3MSco Resources, LLC
Pass_Thru Agency:
Agency Type: PROFIT
Duration: 7/1/2012 to 12/31/2012
CFDA:
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Geological Framework for the Chicontepec Field, Mexico

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

Investigator: Bhattacharya, Janok Dr. 100%
Award Amount: \$35,000.00
Cost Center: 00730 / 5022 / H0109 / B0001 / G094776 / 40027
Agency: Various Private Profit Agencies
Pass_Thru Agency:
Agency Type: PROFIT
Duration: 1/1/2007 to 12/31/2012
CFDA:
CB Designation: Restricted Research
Project Type: Contract - Research
Project Title: Quantitative Sedimentology Research Consortium

Investigator: VanNieuwenhuse, Donald Dr. 50%
Award Amount: \$80,979.50
Cost Center: 00730 / 5022 / H0109 / B0001 / G105490 / 51313
Agency: 3MSco Resources, LLC
Pass_Thru Agency:
Agency Type: PROFIT
Duration: 7/1/2012 to 12/31/2012
CFDA:
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Geological Framework for the Chicontepec Field, Mexico

Mathematics

Investigator: Paulsen, Vern I. Dr. 100%
Award Amount: \$69,885.00
Cost Center: 00730 / 5013 / H0110 / B0001 / G102458 / 49356
Agency: National Science Foundation
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 8/15/2011 to 7/31/2014
CFDA: 47.049 Mathematical and Physical Sciences
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Tensor Products of Operator Systems and the Kadison-Singer Problem

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COLLEGE OF NATURAL SCIENCES AND MATHEMATICS**Mathematics**

Investigator: Qiu, Jingmei Dr. 100%
Award Amount: \$185,500.00
Cost Center: 00730 / 5013 / H0110 / B0001 / G104759 / 51399
Agency: National Science Foundation
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 8/1/2012 to 7/31/2015
CFDA: 47.049 Mathematical and Physical Sciences
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: A High Order Semi-Lagrangian Approach for the Vlasov Equation

Investigator: Field, Michael Dr. 100%
Award Amount: \$286,925.00
Cost Center: 00730 / 5013 / H0110 / B0001 / G104648 / 51339
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: Dynamics of Asynchronous Networks, Adaptation and Visualization

Physics

Investigator: Bensaoula, Abdelhak Dr. 100%
Award Amount: \$40,500.00
Cost Center: 00730 / 5013 / H0112 / B0001 / G105529 / 51354
Agency: Integrated Micro Sensors, Inc
Pass_Thru Agency: NASA - National Aeronautics and Space Administration - Stennis Space Center
Agency Type: FEDERAL
Duration: 7/2/2012 to 6/30/2013
CFDA: 43.000 National Aeronautics and Space Administration
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Epitaxial Lattice Matched Buffers Layers for InGaN Photovoltaic Conversion Devices

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COLLEGE OF NATURAL SCIENCES AND MATHEMATICS**Physics**

Investigator: Cheung, Margaret Dr. 60%
Award Amount: \$5,879.40
Cost Center: 00730 / 5014 / H0112 / B0001 / G104626 / 50433
Agency: Texas Higher Education Coordinating Board
Pass_Thru Agency: U.S. Department of Education
Agency Type: FEDERAL
Duration: 2/1/2012 to 4/30/2013
CFDA: 84.367 Improving Teacher Quality State Grants
CB Designation: Non Restricted Research
Project Type: Grant - Research
Project Title: Teaching High School Physics Using Inquiry

Investigator: Dubois, Robert Dr. 50%
Award Amount: \$12,240.00
Cost Center: 00730 / 5013 / H0112 / C0001 / G105572 / 51342
Agency: University of Notre Dame
Pass_Thru Agency: National Science Foundation
Agency Type: FEDERAL
Duration: 9/1/2011 to 8/31/2012
CFDA: 47.049 Mathematical and Physical Sciences
CB Designation: Non Research
Project Type: Grant - Public Service
Project Title: UH Quarknet Program FY2012(2011 - 2012)

Investigator: Gunaratne, Gemunu H. Dr. 100%
Award Amount: \$25,000.00
Cost Center: 00730 / 5043 / H0112 / B0001 / G105419 / 51291
Agency: Spectral Energies, LLC
Pass_Thru Agency: U.S. Air Force Office of Scientific Research
Agency Type: FEDERAL
Duration: 5/16/2012 to 2/11/2013
CFDA: 12.800 Air Force Defense Research Sciences Program
CB Designation: Restricted Research
Project Type: Contract - Research
Project Title: High-Bandwidth Laser-Based Measurements and Modeling for Thermoacoustic Instabilities in High-Pressure Combustors for Aerospace Fuels and Emerging Alternatives

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Investigator: Pinsky, Lawrence S. Dr. 50%
Award Amount: \$12,240.00
Cost Center: 00730 / 5013 / H0112 / C0001 / G105572 / 51342
Agency: University of Notre Dame
Pass_Thru Agency: National Science Foundation
Agency Type: FEDERAL
Duration: 9/1/2011 to 8/31/2012
CFDA: 47.049 Mathematical and Physical Sciences
CB Designation: Non Research
Project Type: Grant - Public Service
Project Title: UH Quarknet Program FY2012(2011 - 2012)

COLLEGE OF OPTOMETRY**Optometry, Community**

Investigator: Smith III, Earl L. Dr. 100%
Award Amount: \$195,660.00
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

Investigator: Leach, Norman Dr. 100%
Award Amount: \$20,061.50
Cost Center: 00730 / 5022 / H0114 / B0001 / G105578 / 51367
Agency: Alcon Research Limited
Pass_Thru Agency:
Agency Type: PROFIT
Duration: 7/1/2012 to 7/1/2013
CFDA:
CB Designation: Restricted Research
Project Type: Contract - Research
Project Title: Alcon C-12-004 A Comparison of Silicone Hydrogel Lenses: Colored vs Non-Colored

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COLLEGE OF OPTOMETRY**Optometry, Community**

Investigator: Nichols, Jason Dr. 100%
Award Amount: \$6,000.00
Cost Center: 00730 / 5022 / H0114 / B0001 / G104356 / 49818
Agency: Johnson & Johnson Vision Care Division
Pass_Thru Agency:
Agency Type: PROFIT
Duration: 10/1/2011 to 11/30/2012
CFDA:
CB Designation: Restricted Research
Project Type: Contract - Research
Project Title: JJVCI Service Agreement

COLLEGE OF PHARMACY**Heart and Kidney Institute**

Investigator: Asghar, Mohammad Dr. 50%
Award Amount: \$153,750.00
Cost Center: 00730 / 5013 / H0117 / B0001 / G103420 / 49540
Agency: National Institute on Aging
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 9/15/2011 to 7/31/2013
CFDA: 93.866 Aging Research
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Renal Dopamine and Angiotension II Receptor Function in Age-Related Hypertension

Pharmacological and Pharmaceutical Sciences

Investigator: Eriksen, Jason Dr. 100%
Award Amount: \$26,505.00
Cost Center: 00730 / 5013 / H0117 / B0001 / G104013 / 49326
Agency: Methodist Hospital Research Institute
Pass_Thru Agency: U.S. Army Medical Research and Material Command
Agency Type: FEDERAL
Duration: 9/29/2010 to 9/28/2012
CFDA: 12.420 Military Medical Research and Development
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Nanoparticle-based Molecular Imaging of Cerebral Amyloid Angiopathy, A Major Risk Factor for Stroke

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COLLEGE OF PHARMACY**Pharmacological and Pharmaceutical Sciences**

Investigator: Das, Joydip Dr. 64%
Award Amount: \$114,000.00
Cost Center: 00730 / 5013 / H0117 / B0001 / G102544 / 49564
Agency: National Institute on Alcohol Abuse and Alcoholism
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 9/5/2011 to 6/30/2013
CFDA: 93.273 Alcohol Research Programs
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Characterization of a novel presynaptic target for ethanol action

Investigator: Cuny, Gregory 100%
Award Amount: \$18,838.00
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 2/28/2013
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: Asghar, Mohammad Dr. 50%
Award Amount: \$153,750.00
Cost Center: 00730 / 5013 / H0117 / B0001 / G103420 / 49540
Agency: National Institute on Aging
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 9/15/2011 to 7/31/2013
CFDA: 93.866 Aging Research
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Renal Dopamine and Angiotension II Receptor Function in Age-Related Hypertension

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COLLEGE OF PHARMACY**Pharmacological and Pharmaceutical Sciences**

Investigator: Tejada-Simon, Maria Dr. 100%
Award Amount: \$88,961.00
Cost Center: 00730 / 5021 / H0117 / B0001 / G103169 / 48891
Agency: FRAXA Research Foundation
Pass_Thru Agency:
Agency Type: FOUNDATION
Duration: 8/1/2011 to 7/31/2013
CFDA:
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Small Rho GTPases, a potential therapeutic target for Fragile X syndrome

CULLEN COLLEGE OF ENGINEERING**Biomedical Engineering**

Investigator: Larin, Kirill Dr. 100%
Award Amount: \$434,468.00
Cost Center: 00730 / 5013 / H0071 / B0001 / G103851 / 51329
Agency: National Eye Institute
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 6/1/2012 to 5/31/2015
CFDA: 93.867 Vision Research
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Optical Coherence Elastography of the Cornea

Center for Innovative Grouting Materials and Tech

Investigator: Vipulanandan, Cumaraswamy D80%
Award Amount: \$120,000.00
Cost Center: 00730 / 5022 / H0069 / B0001 / G105580 / 51408
Agency: Chevron Energy Technology Company
Pass_Thru Agency:
Agency Type: PROFIT
Duration: 7/1/2012 to 2/28/2013
CFDA:
CB Designation: Restricted Research
Project Type: Contract - Research
Project Title: Innovative Mitigation Methods for Stabilizing High-Pressure/High-Temperature (HP/HT) Deepwater Pipelines

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CULLEN COLLEGE OF ENGINEERING**Chemical Engineering**

Investigator: Stein, Gila Dr. 100%
Award Amount: \$18,500.00
Cost Center: 00730 / 5022 / H0067 / B0001 / G105329 / 51396
Agency: Dow Chemical
Pass_Thru Agency:
Agency Type: PROFIT
Duration: 6/4/2012 to 12/31/2012
CFDA:
CB Designation: Restricted Research
Project Type: Contract - Research
Project Title: Resists for top-down and bottom-up lithography

Investigator: Stein, Gila Dr. 100%
Award Amount: \$80,000.00
Cost Center: 00730 / 1011 / H0067 / B0023 / G104751 / 51346
Agency: Texas Higher Education Coordinating Board - ARP
Pass_Thru Agency:
Agency Type: STATE
Duration: 7/1/2012 to 8/31/2014
CFDA:
CB Designation: Non Restricted Research
Project Type: Grant - Research
Project Title: Beam-directed assembly of conductive polymer nanostructures

Investigator: Rimer, Jeffrey Dr. 100%
Award Amount: \$80,000.00
Cost Center: 00730 / 1011 / H0067 / B0023 / G104750 / 51345
Agency: Texas Higher Education Coordinating Board - ARP
Pass_Thru Agency:
Agency Type: STATE
Duration: 7/1/2012 to 8/31/2014
CFDA:
CB Designation: Non Restricted Research
Project Type: Grant - Research
Project Title: Designing New Platforms for Tailored Crystallization of Nanoporous Zeolites

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CULLEN COLLEGE OF ENGINEERING**Chemical Engineering**

Investigator: Economides, M. J. Dr. 25%
Award Amount: \$32,130.00
Cost Center: 00730 / 5043 / H0067 / B0001 / G102834 / 51343
Agency: CSI Technologies, LLC
Pass_Thru Agency: U.S. Department of Energy
Agency Type: FEDERAL
Duration: 4/25/2012 to 4/24/2014
CFDA: 81.089 Fossil Energy Research and Development
CB Designation: Restricted Research
Project Type: Contract - Research
Project Title: Lowering Drilling Cost, Improving Operational Safety, and Reducing Environmental Impact Through Zonal Isolation Improvements for Horizontal Wells Drilled in the Marcellus and Haynesville Shales

Investigator: Nikolaou, Michael Dr. 75%
Award Amount: \$96,390.00
Cost Center: 00730 / 5043 / H0067 / B0001 / G102834 / 51343
Agency: CSI Technologies, LLC
Pass_Thru Agency: U.S. Department of Energy
Agency Type: FEDERAL
Duration: 4/25/2012 to 4/24/2014
CFDA: 81.089 Fossil Energy Research and Development
CB Designation: Restricted Research
Project Type: Contract - Research
Project Title: Lowering Drilling Cost, Improving Operational Safety, and Reducing Environmental Impact Through Zonal Isolation Improvements for Horizontal Wells Drilled in the Marcellus and Haynesville Shales

Investigator: Cirino, Patrick Dr. 100%
Award Amount: \$1,905.00
Cost Center: 00730 / 5013 / H0067 / B0001 / G104155 / 49749
Agency: The Pennsylvania State University
Pass_Thru Agency: National Science Foundation
Agency Type: FEDERAL
Duration: 7/1/2011 to 6/30/2013
CFDA: 47.041 Engineering Grants
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Computational Modeling and Design of Cytochrome P450 Reactivity and Substrate Specificity

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CULLEN COLLEGE OF ENGINEERING**Civil Engineering**

Investigator: Lee, Hyongki Dr. 100%
Award Amount: \$150,173.00
Cost Center: 00730 / 5013 / H0068 / B0001 / G105108 / 51357
Agency: NASA - National Aeronautics and Space Administration - Goddard Space Flight Center
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 5/26/2012 to 5/25/2016
CFDA: 43.001 Aerospace Education Services Program
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Enhancement of GRACE Temporal Gravity Field Solutions to Study Terrestrial Water Dynamics in the Congo Basin

Investigator: Glennie, Craig Dr. 10%
Award Amount: \$65,324.30
Cost Center: 00730 / 5013 / H0068 / B0001 / G101750 / 46656
Agency: National Science Foundation
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 4/1/2010 to 7/31/2013
CFDA: 47.050 Geosciences
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Transfer of the NCALM Facilities, Its Resources and the Funds from University of Florida to University of Houston

Investigator: Carter, William Dr. 30%
Award Amount: \$195,972.90
Cost Center: 00730 / 5013 / H0068 / B0001 / G101750 / 46656
Agency: National Science Foundation
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 4/1/2010 to 7/31/2013
CFDA: 47.050 Geosciences
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Transfer of the NCALM Facilities, Its Resources and the Funds from University of Florida to University of Houston

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CULLEN COLLEGE OF ENGINEERING**Civil Engineering**

Investigator: Shrestha, Ramesh Dr. 60%
Award Amount: \$391,945.80
Cost Center: 00730 / 5013 / H0068 / B0001 / G101750 / 46656
Agency: National Science Foundation
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 4/1/2010 to 7/31/2013
CFDA: 47.050 Geosciences
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Transfer of the NCALM Facilities, Its Resources and the Funds from University of Florida to University of Houston

Electrical & Computer Engineering

Investigator: Contreras-Vidal, Jose Dr. 100%
Award Amount: \$151,113.00
Cost Center: 00730 / 5013 / H0070 / B0001 / G104881 / 50628
Agency: University of Maryland College Park
Pass_Thru Agency: National Institutes of Health
Agency Type: FEDERAL
Duration: 1/1/2012 to 6/30/2013
CFDA: 93.865 Center for Research for Mothers and Children
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Functions and Development of the Mirror Neuron System: Project IV and Core B

Investigator: Roysam, Badrinath Dr. 100%
Award Amount: \$2,647,584.00
Cost Center: 00730 / 5013 / H0070 / B0001 / G103040 / 47928
Agency: Defense Advanced Research Projects Agency
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 1/3/2011 to 3/15/2014
CFDA: 12.910 Research and Technology Development
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Multi-spectral 3-D Histology & Predictive Statistical Technologies for Identifying the Critical Combination of Factors Impacting Long-term Performance of Implanted Neuroprosthetics

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

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 8/31/2012
CFDA:
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Well Logging Consortium

Mechanical Engineering

Investigator: Sun, Li Dr. 20%
Award Amount: \$17,553.40
Cost Center: 00730 / 5013 / H0073 / B0001 / G103437 / 49280
Agency: National Science Foundation
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 9/1/2011 to 8/31/2014
CFDA: 47.041 Engineering Grants
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Collaborative Research: Magnetic Directed Alignment of Injectable Neural Stem Cell Scaffold for Regeneration After Spinal Cord Injury

Investigator: Liu, Dong Dr. 80%
Award Amount: \$70,213.60
Cost Center: 00730 / 5013 / H0073 / B0001 / G103437 / 49280
Agency: National Science Foundation
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 9/1/2011 to 8/31/2014
CFDA: 47.041 Engineering Grants
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Collaborative Research: Magnetic Directed Alignment of Injectable Neural Stem Cell Scaffold for Regeneration After Spinal Cord Injury

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CULLEN COLLEGE OF ENGINEERING

Mechanical Engineering

Investigator: Metcalfe, Ralph W. Dr. 100%
Award Amount: \$58,895.53
Cost Center: 00730 / 5022 / H0073 / B0001 / G105472 / 51366
Agency: Kalsi Engineering, Inc.
Pass_Thru Agency:
Agency Type: PROFIT
Duration: 6/1/2012 to 5/31/2013
CFDA:
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Research on Elastomeric Seals

Texas Hurricane Center for Innovative Technology

Investigator: Vipulanandan, Cumaraswamy D 20%
Award Amount: \$30,000.00
Cost Center: 00730 / 5022 / H0069 / B0001 / G105580 / 51408
Agency: Chevron Energy Technology Company
Pass_Thru Agency:
Agency Type: PROFIT
Duration: 7/1/2012 to 2/28/2013
CFDA:
CB Designation: Restricted Research
Project Type: Contract - Research
Project Title: Innovative Mitigation Methods for Stabilizing High-Pressure/High-Temperature (HP/HT) Deepwater Pipelines

DIVISION OF RESEARCH

Center for Advanced Materials

Investigator: Ignatiev, Alex Dr. 100%
Award Amount: \$25,000.00
Cost Center: 00730 / 5022 / H0453 / B0001 / G094095 / 39800
Agency: Various Private Profit Agencies
Pass_Thru Agency:
Agency Type: PROFIT
Duration: 9/4/2006 to 6/30/2013
CFDA:
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: CAM Consortium Memberships

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DIVISION OF RESEARCH**TcSUH**

Investigator: Cheung, Margaret Dr. 40%
Award Amount: \$3,919.60
Cost Center: 00730 / 5014 / H0112 / B0001 / G104626 / 50433
Agency: Texas Higher Education Coordinating Board
Pass_Thru Agency: U.S. Department of Education
Agency Type: FEDERAL
Duration: 2/1/2012 to 4/30/2013
CFDA: 84.367 Improving Teacher Quality State Grants
CB Designation: Non Restricted Research
Project Type: Grant - Research
Project Title: Teaching High School Physics Using Inquiry

Texas Learning/Computation Center

Investigator: Mehta, Paras Dr. 10%
Award Amount: \$20,869.10
Cost Center: 00730 / 5013 / H0288 / B0001 / G096157 / 42840
Agency: Lehigh University
Pass_Thru Agency: USE DED000; U.S. Department of Education
Agency Type: FEDERAL
Duration: 7/1/2008 to 6/30/2013
CFDA: 84.324 Special Education Research
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: National Research & Development Center on Serious Behavior Disorders at the Secondary Level

Investigator: Carlson, Coleen Dr. 10%
Award Amount: \$2,883.10
Cost Center: 00730 / 5018 / H0288 / B0001 / G105524 / 51400
Agency: University of Texas Health Science Center at Houston
Pass_Thru Agency: Texas Education Agency
Agency Type: STATE
Duration: 9/1/2011 to 8/31/2012
CFDA:
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: TPRI & Tejas LEE Print, Distribution and Development

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DIVISION OF RESEARCH**Texas Obesity Research Center**

Investigator: Lee, Rebecca Dr. 34%
Award Amount: \$76,457.50
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

Investigator: O'Connor, Daniel Dr. 33%
Award Amount: \$74,208.75
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

Investigator: Ledoux, Tracey Dr. 33%
Award Amount: \$74,208.75
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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DIVISION OF RESEARCH

TIMES

Investigator: Mehta, Paras Dr. 70%
Award Amount: \$146,083.70
Cost Center: 00730 / 5013 / H0288 / B0001 / G096157 / 42840
Agency: Lehigh University
Pass_Thru Agency: USE DED000; U.S. Department of Education
Agency Type: FEDERAL
Duration: 7/1/2008 to 6/30/2013
CFDA: 84.324 Special Education Research
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: National Research & Development Center on Serious Behavior Disorders at the Secondary Level

Investigator: Carlson, Coleen Dr. 70%
Award Amount: \$20,181.70
Cost Center: 00730 / 5018 / H0288 / B0001 / G105524 / 51400
Agency: University of Texas Health Science Center at Houston
Pass_Thru Agency: Texas Education Agency
Agency Type: STATE
Duration: 9/1/2011 to 8/31/2012
CFDA:
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: TPRI & Tejas LEE Print, Distribution and Development

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GRADUATE COLLEGE OF SOCIAL WORK

Center for Health Equities & Evaluation Research

Investigator: Jones, Lovell Dr. 100%
Award Amount: \$7,000.00
Cost Center: 00730 / 5021 / H0662 / B0001 / G105211 / 50814
Agency: Baylor College of Medicine
Pass_Thru Agency:
Agency Type: UNIVERSITY
Duration: 4/1/2012 to 8/1/2012
CFDA:
CB Designation: Non Restricted Research
Project Type: Grant - Research
Project Title: Regional Meeting on the Minority and Medically Underserved and Cancer

REPORTING PERIOD ACTIVITY SUMMARY

Federal Funding: \$7,343,196.56
State Funding: \$269,581.00
Local Funding: \$0.00
Profit Funding: \$740,416.03
Non Profit Funding: \$9,544.00
Foundation Funding: \$1,121,761.00
University Funding: \$206,090.00
Total: **\$9,690,588.59**