

UNIVERSITY OF HOUSTON
Division of Research
New/Continuation Sponsored Research Grants and Contracts
Fiscal Year 2015 - Received during MARCH

COLLEGE OF EDUCATION**Dean, Education**

Investigator: Daire, Andrew Dr. 100%
Award Amount: \$5,360.00
Cost Center: 00730 / 5013 / H0058 / B0100 / G108808 / 56863
Agency: University of Central Florida
Pass_Thru Agency: National Science Foundation
Agency Type: FEDERAL
Duration: 10/1/2014 to 9/30/2015
CFDA: 47.076 Education and Human Resources
CB Designation: Non Restricted Research
Project Type: Grant - Research
Project Title: COMPASS (Convincing Outstanding Math Potential Admits to Succeed in STEM)

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

Investigator: Kanellos, Nicolas Dr. 100%
Award Amount: \$6,000.00
Cost Center: 00730 / 5016 / H0093 / C0001 / C108169 / 56973
Agency: Texas Commission on the Arts
Pass_Thru Agency:
Agency Type: STATE
Duration: 9/1/2014 to 8/31/2015
CFDA:
CB Designation: Non Research
Project Type: Grant - Public Service
Project Title: YR2 - Arts Create - Operational

Economics

Investigator: Gregory, Paul R. Dr. 100%
Award Amount: \$5,000.00
Cost Center: 00730 / 5021 / H0122 / C0001 / G103665 / 49578
Agency: Charles G. Koch Charitable Foundation
Pass_Thru Agency:
Agency Type: FOUNDATION
Duration: 9/1/2011 to 12/31/2015
CFDA:
CB Designation: Non Research
Project Type: Grant - Public Service
Project Title: Lecture Series: Russian and Chinese Development

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

Investigator: Simpson, Richard Dr. 40%
Award Amount: \$20,000.00
Cost Center: 00730 / 5013 / H0288 / B0001 / G108758 / 56643
Agency: NASA - National Aeronautics and Space Administration - Johnson Space Center
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 11/13/2014 to 11/12/2017
CFDA: 43.003 Basic Research, Educational Outreach, or Training in the area of Exploration
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: CHARACTERIZATION OF PSYCHOLOGICAL RISK, OVERLAP WITH PHYSICAL HEALTH, AND ASSOCIATED PERFORMANCE IN ISOLATED, CONFINED, EXTREME (ICE) ENVIRONMENTS

Investigator: Layne, Charles S. Dr. 100%
Award Amount: \$21,888.72
Cost Center: 00730 / 5013 / H0065 / B0100 / G109739 / 56943
Agency: Universities Space Research Association
Pass_Thru Agency: NASA - National Aeronautics and Space Administration - Johnson Space Center
Agency Type: FEDERAL
Duration: 2/16/2015 to 9/30/2015
CFDA: 43.001 Aerospace Education Services Program
CB Designation: Non Restricted Research
Project Type: Grant - Research
Project Title: Student support for Immunology Discipline activities, at NASA-JSC's Immunology Laboratory (Hawley Kunz)

Investigator: Laughlin, Mitzi Dr. 14%
Award Amount: \$63,000.00
Cost Center: 00730 / 5022 / H0065 / B0001 / C109267 / 56647
Agency: Joe W. King Orthopedic Institute
Pass_Thru Agency:
Agency Type: PROFIT
Duration: 12/1/2014 to 11/30/2017
CFDA:
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Clinical and Translational Methods and Outcomes in Orthopedic Surgery

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

Investigator: Thrasher, T. Adam Dr. 100%
Award Amount: \$17,198.64
Cost Center: 00730 / 5021 / H0065 / B0001 / G109039 / 56360
Agency: Methodist Hospital Research Institute
Pass_Thru Agency:
Agency Type: NON PROFIT
Duration: 8/18/2014 to 8/17/2015
CFDA:
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: The effects of levodopa and deep brain stimulation on muscle activation patterns during gait in Parkinson's Disease

Investigator: O'Connor, Daniel Dr. 42%
Award Amount: \$189,000.00
Cost Center: 00730 / 5022 / H0065 / B0001 / C109267 / 56647
Agency: Joe W. King Orthopedic Institute
Pass_Thru Agency:
Agency Type: PROFIT
Duration: 12/1/2014 to 11/30/2017
CFDA:
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Clinical and Translational Methods and Outcomes in Orthopedic Surgery

Psychology

Investigator: Alfano, Candice Dr. 18%
Award Amount: \$9,000.00
Cost Center: 00730 / 5013 / H0288 / B0001 / G108758 / 56643
Agency: NASA - National Aeronautics and Space Administration - Johnson Space Center
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 11/13/2014 to 11/12/2017
CFDA: 43.003 Basic Research, Educational Outreach, or Training in the area of Exploration
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: CHARACTERIZATION OF PSYCHOLOGICAL RISK, OVERLAP WITH PHYSICAL HEALTH, AND ASSOCIATED PERFORMANCE IN ISOLATED, CONFINED, EXTREME (ICE) ENVIRONMENTS

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

Investigator: Neighbors, Clayton Dr. 100%
Award Amount: \$216,344.00
Cost Center: 00730 / 5013 / H0125 / B0100 / G107191 / 56179
Agency: National Institute on Alcohol Abuse and Alcoholism
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 9/10/2014 to 8/31/2016
CFDA: 93.273 Alcohol Research Programs
CB Designation: Non Restricted Research
Project Type: Grant - Research
Project Title: Motivating Recruitment and Efficacy in Normative Feedback Interventions

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

Investigator: Bose, Rathindra Dr. 100%
Award Amount: \$100,000.00
Cost Center: 00730 / 5021 / H0104 / B0001 / C109458 / 57062
Agency: William & Ella Owens Medical Research
Pass_Thru Agency:
Agency Type: FOUNDATION
Duration: 1/1/2015 to 12/31/2015
CFDA:
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Alleviation of Neurotoxicity of Cancer Drugs

Investigator: Cooper, Tim Dr. 100%
Award Amount: \$247,121.00
Cost Center: 00730 / 5013 / H0104 / B0001 / G105654 / 52600
Agency: National Science Foundation
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 4/1/2013 to 3/31/2018
CFDA: 47.074 Biological Sciences
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: CAREER: Causes and consequences of evolvability in natural and lab-evolved bacterial populations

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

Investigator: Fujita, Masaya Dr. 100%
Award Amount: \$220,454.00
Cost Center: 00730 / 5013 / H0104 / B0001 / G105358 / 52388
Agency: National Science Foundation
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 2/1/2013 to 1/31/2016
CFDA: 47.074 Biological Sciences
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Collaborative research: Information processing by gene regulatory network controlling bacterial sporulation

Investigator: Frigo, Daniel Dr. 50%
Award Amount: \$181,020.50
Cost Center: 00730 / 5013 / H0515 / B0001 / G108218 / 56893
Agency: National Cancer Institute
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 1/27/2015 to 12/31/2015
CFDA: 93.396 Cancer Biology Research
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Genetic & Metabolic Dissection of the CAMKKbeta Signaling Axis in Prostate Cancer

Investigator: Frigo, Daniel Dr. 50%
Award Amount: \$101,229.50
Cost Center: 00730 / 5013 / H0515 / B0001 / G108115 / 56894
Agency: National Cancer Institute
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 2/1/2015 to 1/31/2016
CFDA: 93.396 Cancer Biology Research
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Androgen Receptor- and Myc-Mediated Glutamine Metabolism in Prostate 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: \$181,020.50
Cost Center: 00730 / 5013 / H0515 / B0001 / G108218 / 56893
Agency: National Cancer Institute
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 1/27/2015 to 12/31/2015
CFDA: 93.396 Cancer Biology Research
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Genetic & Metabolic Dissection of the CAMKKbeta Signaling Axis in Prostate Cancer

Investigator: Frigo, Daniel Dr. 50%
Award Amount: \$101,229.50
Cost Center: 00730 / 5013 / H0515 / B0001 / G108115 / 56894
Agency: National Cancer Institute
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 2/1/2015 to 1/31/2016
CFDA: 93.396 Cancer Biology Research
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Androgen Receptor- and Myc-Mediated Glutamine Metabolism in Prostate Cancer

Chemistry

Investigator: Meen, James Dr. 30%
Award Amount: \$3,000.00
Cost Center: 00730 / 5043 / H0452 / B0001 / G107616 / 54500
Agency: Clarkson Aerospace Corporation
Pass_Thru Agency: U.S. Air Force Research Laboratory
Agency Type: FEDERAL
Duration: 9/3/2013 to 12/31/2015
CFDA: 12.800 Air Force Defense Research Sciences Program
CB Designation: Restricted Research
Project Type: Contract - Research
Project Title: AFRL Collaboration Program-Materials and Manufacturing Research

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COLLEGE OF NATURAL SCIENCES AND MATHEMATICS**Chemistry**

Investigator: Jacobson, Allan J. Dr. 60%
Award Amount: \$14,608.80
Cost Center: 00730 / 5022 / H0452 / B0001 / C109399 / 56830
Agency: Rare Resource Recycling
Pass_Thru Agency:
Agency Type: PROFIT
Duration: 11/15/2014 to 5/14/2015
CFDA:
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Rare Earth Elements Recovery from NdFeB Magnets

Computer Science

Investigator: Solorio, Tamar Dr. 100%
Award Amount: \$92,515.00
Cost Center: 00730 / 5013 / H0108 / B0001 / G109036 / 56114
Agency: National Science Foundation
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 8/31/2014 to 12/31/2018
CFDA: 47.070 Computer and Information Science and Engineering (CISE)
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: CAREER: Authorship Analysis Across Domains

Mathematics

Investigator: Nicol, Matthew Dr. 25%
Award Amount: \$12,400.00
Cost Center: 00730 / 5013 / H0110 / B0001 / G109187 / 56711
Agency: National Science Foundation
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 4/1/2015 to 3/31/2016
CFDA: 47.049 Mathematical and Physical Sciences
CB Designation: Non Restricted Research
Project Type: Grant - Research
Project Title: Houston Summer School on Dynamical Systems

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COLLEGE OF NATURAL SCIENCES AND MATHEMATICS**Mathematics**

Investigator: Kuznetsov, Yuri Dr. 100%
Award Amount: \$90,000.00
Cost Center: 00730 / 5022 / H0110 / B0001 / C109457 / 56697
Agency: ExxonMobil Upstream Research Co.
Pass_Thru Agency:
Agency Type: PROFIT
Duration: 12/15/2014 to 12/31/2015
CFDA:
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Research Agreement Number EM09998

Investigator: Torok, Andrei Dr. 100%
Award Amount: \$7,000.00
Cost Center: 00730 / 5021 / H0110 / B0001 / G104972 / 51714
Agency: The Simons Foundation
Pass_Thru Agency:
Agency Type: FOUNDATION
Duration: 9/1/2012 to 8/31/2017
CFDA:
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Properties of dynamical systems with some hyperbolicity

Investigator: Climenhaga, Vaughn Dr. 25%
Award Amount: \$12,400.00
Cost Center: 00730 / 5013 / H0110 / B0001 / G109187 / 56711
Agency: National Science Foundation
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 4/1/2015 to 3/31/2016
CFDA: 47.049 Mathematical and Physical Sciences
CB Designation: Non Restricted Research
Project Type: Grant - Research
Project Title: Houston Summer School on Dynamical Systems

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COLLEGE OF NATURAL SCIENCES AND MATHEMATICS**Mathematics**

Investigator: Torok, Andrei Dr. 25%
Award Amount: \$12,400.00
Cost Center: 00730 / 5013 / H0110 / B0001 / G109187 / 56711
Agency: National Science Foundation
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 4/1/2015 to 3/31/2016
CFDA: 47.049 Mathematical and Physical Sciences
CB Designation: Non Restricted Research
Project Type: Grant - Research
Project Title: Houston Summer School on Dynamical Systems

Investigator: Ott, William Dr. 25%
Award Amount: \$12,400.00
Cost Center: 00730 / 5013 / H0110 / B0001 / G109187 / 56711
Agency: National Science Foundation
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 4/1/2015 to 3/31/2016
CFDA: 47.049 Mathematical and Physical Sciences
CB Designation: Non Restricted Research
Project Type: Grant - Research
Project Title: Houston Summer School on Dynamical Systems

Physics

Investigator: Cheung, Margaret Dr. 100%
Award Amount: \$2,000.00
Cost Center: 00730 / 5013 / H0112 / B0001 / G108051 / 56293
Agency: Rice University
Pass_Thru Agency: National Science Foundation
Agency Type: FEDERAL
Duration: 9/1/2014 to 8/31/2015
CFDA: 47.049 Mathematical and Physical Sciences
CB Designation: Restricted Research
Project Type: Co-Op Agreement - Research
Project Title: Center for Theoretical Biological Physics - Houston

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COLLEGE OF NATURAL SCIENCES AND MATHEMATICS**Physics**

Investigator: Hungerford, Ed V. Dr. 100%
Award Amount: \$223,249.00
Cost Center: 00730 / 5013 / H0112 / B0001 / G108628 / 55695
Agency: National Science Foundation
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 6/15/2014 to 5/31/2017
CFDA: 47.049 Mathematical and Physical Sciences
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Collaborative Research: Direct Search for Dark Matter with Underground Argon at LNGS(On campus)

COLLEGE OF OPTOMETRY**Optometry Vision Sciences**

Investigator: Mathew, Jessica Dr. 100%
Award Amount: \$68,000.00
Cost Center: 00730 / 5022 / H0114 / B0001 / C109237 / 56892
Agency: Shire Development LLC
Pass_Thru Agency:
Agency Type: PROFIT
Duration: 10/23/2014 to 12/31/2015
CFDA:
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: SHP606-304: A Phase 3, Multicenter, Randomized, Double-masked, and Placebo-controlled Study Evaluating the Efficacy and Safety of a 5.0% Concentration of Lifitegrast Ophthalmic Solution Compared to Placebo in Subjects with Dry Eye Disease and History of Recent Artificial Tear Use (OPUS-3)

Investigator: Burns, Alan Dr. 100%
Award Amount: \$103,050.00
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 1/31/2016
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

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COLLEGE OF OPTOMETRY**Optometry Vision Sciences**

Investigator: Smith III, Earl L. Dr. 100%
Award Amount: \$84,283.95
Cost Center: 00730 / 5021 / H0114 / B0001 / C108767 / 55746
Agency: Brien Holden Vision Institute
Pass_Thru Agency:
Agency Type: UNIVERSITY
Duration: 7/1/2014 to 6/30/2015
CFDA:
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Optical Intervention - Supplement

Investigator: Manny, Ruth E. Dr. 100%
Award Amount: \$30,497.00
Cost Center: 00730 / 5013 / H0114 / B0100 / C109510 / 56702
Agency: Jaeb Center for Health Research
Pass_Thru Agency: National Eye Institute
Agency Type: FEDERAL
Duration: 1/1/2015 to 12/31/2015
CFDA: 93.867 Vision Research
CB Designation: Non Restricted Research
Project Type: Grant - Research
Project Title: PEDIG Vice Chair-Pediatric Eye Disease Investigator Group

COLLEGE OF PHARMACY**Clinical Pharmacy & Administration**

Investigator: Fleming, Marc Dr. 80%
Award Amount: \$75,343.20
Cost Center: 00730 / 5022 / H0118 / B0001 / C108825 / 56519
Agency: Mallinckrodt Pharmaceuticals
Pass_Thru Agency:
Agency Type: PROFIT
Duration: 11/10/2014 to 11/9/2015
CFDA:
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Texas Prescribers Attitudes and Predicted Pain Management Based on Rescheduling Hydrocodone Combination Products

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COLLEGE OF PHARMACY**Clinical Pharmacy & Administration**

Investigator: Abughosh, Susan Dr. 10%
Award Amount: \$9,417.90
Cost Center: 00730 / 5022 / H0118 / B0001 / C108825 / 56519
Agency: Mallinckrodt Pharmaceuticals
Pass_Thru Agency:
Agency Type: PROFIT
Duration: 11/10/2014 to 11/9/2015
CFDA:
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Texas Prescribers Attitudes and Predicted Pain Management Based on Rescheduling Hydrocodone Combination Products

Investigator: Sansgiry, Sujit Dr. 10%
Award Amount: \$9,417.90
Cost Center: 00730 / 5022 / H0118 / B0001 / C108825 / 56519
Agency: Mallinckrodt Pharmaceuticals
Pass_Thru Agency:
Agency Type: PROFIT
Duration: 11/10/2014 to 11/9/2015
CFDA:
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Texas Prescribers Attitudes and Predicted Pain Management Based on Rescheduling Hydrocodone Combination Products

Pharmacological and Pharmaceutical Sciences

Investigator: Ghose, Romi Dr. 100%
Award Amount: \$187,259.00
Cost Center: 00730 / 5013 / H0117 / B0001 / G106867 / 54892
Agency: National Institutes of Health
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 3/15/2014 to 2/29/2016
CFDA: 93.279 Drug Abuse Research Programs
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Novel in vivo regulatory mechanisms of human CYP3A4

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COLLEGE OF TECHNOLOGY**Texas Manufacturing Assistance Center**

Investigator: Cline, Raymond Dr. 100%
Award Amount: \$102,924.17
Cost Center: 00730 / 5022 / H0281 / C0001 / C107757 / 54548
Agency: Various Private Profit Agencies
Pass_Thru Agency:
Agency Type: PROFIT
Duration: 9/1/2013 to 8/31/2014
CFDA:
CB Designation: Non Research
Project Type: Other Support - Public Service
Project Title: Program Income TMAC-19 Texas Manufacturing Assistance Center GY19

CULLEN COLLEGE OF ENGINEERING**Biomedical Engineering**

Investigator: Shevkoplyas, Sergey Dr. 100%
Award Amount: \$31,981.00
Cost Center: 00730 / 5013 / H0071 / B0001 / G107605 / 54523
Agency: National Heart, Lung, and Blood Institute
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 9/1/2013 to 12/31/2017
CFDA: 93.839 Blood Diseases and Resources Research
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Eliminating Mediators of Toxicity from Stored Blood

Center for Integrated Bio and Nano Systems

Investigator: Yao, Yan Dr. 20%
Award Amount: \$40,848.20
Cost Center: 00730 / 5013 / H0070 / B0001 / G106207 / 52913
Agency: U.S. Navy Office of Naval Research
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 5/1/2013 to 4/30/2016
CFDA: 12.300 Basic and Applied Scientific Research
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Developing Multivalent Ion Intercalation Batteries as High Energy and Safe Marine Distributed Power Sources

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CULLEN COLLEGE OF ENGINEERING**Chemical Engineering**

Investigator: Vekilov, Peter Dr. 100%
Award Amount: \$100,000.00
Cost Center: 00730 / 5013 / H0067 / B0001 / G108045 / 55239
Agency: NASA - National Aeronautics and Space Administration - Marshall Space Flight Center
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 3/3/2014 to 3/2/2019
CFDA: 43.007 Space Operations
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Formation Mechanisms of the Protein-Rich Clusters

Investigator: Epling, William Dr. 50%
Award Amount: \$133,000.00
Cost Center: 00730 / 5022 / H0067 / B0001 / C109527 / 56733
Agency: Criterion Catalysts & Technologies L.P.
Pass_Thru Agency:
Agency Type: PROFIT
Duration: 2/1/2015 to 12/31/2015
CFDA:
CB Designation: Restricted Research
Project Type: Contract - Research
Project Title: Methane Emissions Control from Natural Gas Engines

Investigator: Harold, Michael Dr. 50%
Award Amount: \$133,000.00
Cost Center: 00730 / 5022 / H0067 / B0001 / C109527 / 56733
Agency: Criterion Catalysts & Technologies L.P.
Pass_Thru Agency:
Agency Type: PROFIT
Duration: 2/1/2015 to 12/31/2015
CFDA:
CB Designation: Restricted Research
Project Type: Contract - Research
Project Title: Methane Emissions Control from Natural Gas Engines

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CULLEN COLLEGE OF ENGINEERING**Chemical Engineering**

Investigator: Balakotaiah, Vemuri Dr. 100%
Award Amount: \$50,000.00
Cost Center: 00730 / 5013 / H0067 / B0001 / G106992 / 54688
Agency: NASA - National Aeronautics and Space Administration - Glenn Research Center
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 3/1/2014 to 2/28/2017
CFDA: 43.007 Space Operations
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Modeling and Experimental Studies on Gas-Liquid Two-Phase Flow through Packed Beds in Microgravity

Investigator: Stein, Gila Dr. 33%
Award Amount: \$46,473.57
Cost Center: 00730 / 5013 / H0070 / B0001 / G105770 / 52673
Agency: National Science Foundation
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 4/1/2013 to 3/31/2016
CFDA: 47.041 Engineering Grants
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: REU Site: Innovations in Nanotechnology at the University of Houston

Investigator: Robertson, Megan Dr. 50%
Award Amount: \$90,300.00
Cost Center: 00730 / 5022 / H0067 / B0001 / C109425 / 56560
Agency: ExxonMobil Chemical Company
Pass_Thru Agency:
Agency Type: PROFIT
Duration: 12/1/2014 to 11/30/2016
CFDA:
CB Designation: Restricted Research
Project Type: Contract - Research
Project Title: Thermodynamic Interactions and Dynamics of Phase Separation in Model Diene - Diene and Diene - Olefin Blends

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CULLEN COLLEGE OF ENGINEERING**Chemical Engineering**

Investigator: Krishnamoorti, Ramanan Dr. 50%
Award Amount: \$90,300.00
Cost Center: 00730 / 5022 / H0067 / B0001 / C109425 / 56560
Agency: ExxonMobil Chemical Company
Pass_Thru Agency:
Agency Type: PROFIT
Duration: 12/1/2014 to 11/30/2016
CFDA:
CB Designation: Restricted Research
Project Type: Contract - Research
Project Title: Thermodynamic Interactions and Dynamics of Phase Separation in Model Diene - Diene and Diene - Olefin Blends

Civil Engineering

Investigator: Ballarini, Roberto Dr. 100%
Award Amount: \$71,950.00
Cost Center: 00730 / 5013 / H0068 / B0001 / G109001 / 56942
Agency: University of Minnesota
Pass_Thru Agency: National Science Foundation
Agency Type: FEDERAL
Duration: 8/1/2014 to 7/31/2017
CFDA: 47.041 Engineering Grants
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: A Multiscale Reliability Model for Brittle MEMS Materials and Structures

Investigator: Lee, Hyongki Dr. 100%
Award Amount: \$85,356.00
Cost Center: 00730 / 5013 / H0068 / B0001 / G107387 / 55633
Agency: NASA - National Aeronautics and Space Administration - Goddard Space Flight Center
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 4/28/2014 to 4/27/2017
CFDA: 43.001 Aerospace Education Services Program
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Estimating Two-Dimensional Surface Water Depths in the Congo Wetlands using Multiple Remote Sensing Measurements

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CULLEN COLLEGE OF ENGINEERING**Civil Engineering**

Investigator: Gencturk, Bora Dr. 100%
Award Amount: \$500,000.00
Cost Center: 00730 / 5013 / H0068 / B0001 / G108799 / 56676
Agency: National Science Foundation
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 9/1/2015 to 8/31/2020
CFDA: 47.041 Engineering Grants
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: CAREER: Increasing Resiliency and Sustainability of Reinforced Concrete against Aging and Seismic Hazards through Novel Materials

Investigator: Shrestha, Ramesh Dr. 100%
Award Amount: \$80,691.00
Cost Center: 00730 / 5021 / H0068 / B0001 / C109741 / 56979
Agency: Aichi Prefectural University
Pass_Thru Agency:
Agency Type: UNIVERSITY
Duration: 3/1/2015 to 6/30/2015
CFDA:
CB Designation: Restricted Research
Project Type: Contract - Research
Project Title: Teotihuacan Lidar for Archaeology

Investigator: Lee, Hyongki Dr. 100%
Award Amount: \$37,457.00
Cost Center: 00730 / 5013 / H0068 / B0001 / G108224 / 56577
Agency: NASA - National Aeronautics and Space Administration - Goddard Space Flight Center
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 11/25/2014 to 11/24/2018
CFDA: 43.001 Aerospace Education Services Program
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Towards Operational Water Resources Management in South Asia Exploiting Satellite Geodetic and Remote Sensing Technologies

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

Investigator: Kayali, Mohammad Dr. 20%
Award Amount: \$3,000.00
Cost Center: 00730 / 5022 / H0070 / B0001 / C106693 / 52848
Agency: Various Private Profit Agencies
Pass_Thru Agency:
Agency Type: PROFIT
Duration: 2/1/2013 to 1/31/2020
CFDA:
CB Designation: Restricted Research
Project Type: Contract - Research
Project Title: Membership - Center for Electromagnetic compatibility Research

Investigator: Chen, Ji Dr. 80%
Award Amount: \$12,000.00
Cost Center: 00730 / 5022 / H0070 / B0001 / C106693 / 52848
Agency: Various Private Profit Agencies
Pass_Thru Agency:
Agency Type: PROFIT
Duration: 2/1/2013 to 1/31/2020
CFDA:
CB Designation: Restricted Research
Project Type: Contract - Research
Project Title: Membership - Center for Electromagnetic compatibility Research

Investigator: Han, Zhu Dr. 100%
Award Amount: \$140,000.00
Cost Center: 00730 / 5013 / H0070 / B0001 / G108846 / 57009
Agency: National Science Foundation
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 3/15/2015 to 2/28/2017
CFDA: 47.070 Computer and Information Science and Engineering (CISE)
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Collaborative Research: WiFiUS: Heterogeneous Resource Allocation for Hierarchical Software-Defined Radio Access Networks at the Edge

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

Investigator: Roysam, Badrinath Dr. 100%
Award Amount: \$58,334.00
Cost Center: 00730 / 5013 / H0070 / B0001 / G108842 / 56944
Agency: MicroBrightField, Inc
Pass_Thru Agency: National Institutes of Health
Agency Type: FEDERAL
Duration: 9/11/2014 to 8/31/2015
CFDA: 93.242 Mental Health Research Grants
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: FASTCOUNT Next Generation Stereology Platform for Fast, Accurate 3D Cell Counting

Investigator: Yao, Yan Dr. 50%
Award Amount: \$102,120.50
Cost Center: 00730 / 5013 / H0070 / B0001 / G106207 / 52913
Agency: U.S. Navy Office of Naval Research
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 5/1/2013 to 4/30/2016
CFDA: 12.300 Basic and Applied Scientific Research
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Developing Multivalent Ion Intercalation Batteries as High Energy and Safe Marine Distributed Power Sources

Investigator: Long, Stuart A. Dr. 33%
Award Amount: \$46,473.57
Cost Center: 00730 / 5013 / H0070 / B0001 / G105770 / 52673
Agency: National Science Foundation
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 4/1/2013 to 3/31/2016
CFDA: 47.041 Engineering Grants
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: REU Site: Innovations in Nanotechnology at the University of Houston

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

Investigator: Jackson, David R. Dr. 50%
Award Amount: \$28,965.00
Cost Center: 00730 / 5013 / H0070 / B0001 / G107045 / 54584
Agency: NASA - National Aeronautics and Space Administration - Johnson Space Center
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 9/13/2013 to 9/12/2015
CFDA: 43.009 Cross Agency Support
CB Designation: Restricted Research
Project Type: Co-Op Agreement - Research
Project Title: Development of Novel Integrated Antennas for CubeSats

Investigator: Claydon, Frank Dr. 34%
Award Amount: \$47,881.86
Cost Center: 00730 / 5013 / H0070 / B0001 / G105770 / 52673
Agency: National Science Foundation
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 4/1/2013 to 3/31/2016
CFDA: 47.041 Engineering Grants
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: REU Site: Innovations in Nanotechnology at the University of Houston

Investigator: Chen, Ji Dr. 50%
Award Amount: \$28,965.00
Cost Center: 00730 / 5013 / H0070 / B0001 / G107045 / 54584
Agency: NASA - National Aeronautics and Space Administration - Johnson Space Center
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 9/13/2013 to 9/12/2015
CFDA: 43.009 Cross Agency Support
CB Designation: Restricted Research
Project Type: Co-Op Agreement - Research
Project Title: Development of Novel Integrated Antennas for CubeSats

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

Investigator: Chen, Ji Dr. 80%
Award Amount: \$48,000.00
Cost Center: 00730 / 5022 / H0070 / B0001 / C109534 / 56960
Agency: Cyberonics
Pass_Thru Agency:
Agency Type: PROFIT
Duration: 1/21/2015 to 1/21/2016
CFDA:
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Addendum to Appendix D: Membership Agreement - Center for Electromagnetic Compatibility Research

Investigator: Kayali, Mohammad Dr. 20%
Award Amount: \$12,000.00
Cost Center: 00730 / 5022 / H0070 / B0001 / C109534 / 56960
Agency: Cyberonics
Pass_Thru Agency:
Agency Type: PROFIT
Duration: 1/21/2015 to 1/21/2016
CFDA:
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Addendum to Appendix D: Membership Agreement - Center for Electromagnetic Compatibility Research

Investigator: Chen, Jinghong Dr. 100%
Award Amount: \$78,642.00
Cost Center: 00730 / 5015 / H0070 / B0001 / G109742 / 56966
Agency: Texas A&M Engineering Experiment Station
Pass_Thru Agency: National Science Foundation
Agency Type: FEDERAL
Duration: 9/1/2014 to 8/30/2015
CFDA: 47.041 Engineering Grants
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: MEMS-Switched Acoustic Delay-Line Microsystems for Advanced Ultrasonic Imaging Applications

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CULLEN COLLEGE OF ENGINEERING**Industrial Engineering**

Investigator: Chen, Thomas Dr. 100%
Award Amount: \$9,590.00
Cost Center: 00730 / 5016 / H0072 / B0100 / G108415 / 55366
Agency: University of Texas Health Science Center at Houston
Pass_Thru Agency:
Agency Type: STATE
Duration: 4/1/2014 to 5/31/2015
CFDA:
CB Designation: Non Restricted Research
Project Type: Grant - Research
Project Title: Patient Flow in Emergency Department (Anish Goyal)

Mechanical Engineering

Investigator: Franchek, Matthew Dr. 50%
Award Amount: \$15,000.00
Cost Center: 00730 / 5045 / H0073 / B0001 / G103841 / 52317
Agency: University of Texas Medical Branch at Galveston
Pass_Thru Agency: U.S. Navy Office of Naval Research
Agency Type: FEDERAL
Duration: 8/27/2012 to 4/27/2016
CFDA: 12.300 Basic and Applied Scientific Research
CB Designation: Restricted Research
Project Type: Contract - Research
Project Title: Modeling and Control for Optimized Fluid and Drug Delivery in Trauma Patient Care

Investigator: Song, Gangbing Dr. 100%
Award Amount: \$73,220.00
Cost Center: 00730 / 5022 / H0073 / B0001 / C109109 / 56891
Agency: OneSubsea LLC
Pass_Thru Agency:
Agency Type: PROFIT
Duration: 9/1/2014 to 8/31/2015
CFDA:
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Preparation for Testing of PTMD Vibration Control of Jumper in NASA JSC's NBL

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CULLEN COLLEGE OF ENGINEERING**Mechanical Engineering**

Investigator: Sun, Li Dr. 100%
Award Amount: \$9,000.00
Cost Center: 00730 / 5022 / H0073 / B0001 / C109097 / 56864
Agency: Cameron
Pass_Thru Agency:
Agency Type: PROFIT
Duration: 9/15/2014 to 10/31/2015
CFDA:
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Capstone Design Project:Soft Tough Polymers for Low Temperature Sealing Applications

Investigator: Song, Gangbing Dr. 100%
Award Amount: \$157,523.00
Cost Center: 00730 / 5022 / H0073 / B0001 / C108893 / 57019
Agency: Halliburton Company
Pass_Thru Agency:
Agency Type: PROFIT
Duration: 2/1/2015 to 1/31/2016
CFDA:
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: A Novel Approach to Eliminate Rock Bit Stick-Slip during Drilling

Investigator: Grigoriadis, Karolos M. Dr. 50%
Award Amount: \$15,000.00
Cost Center: 00730 / 5045 / H0073 / B0001 / G103841 / 52317
Agency: University of Texas Medical Branch at Galveston
Pass_Thru Agency: U.S. Navy Office of Naval Research
Agency Type: FEDERAL
Duration: 8/27/2012 to 4/27/2016
CFDA: 12.300 Basic and Applied Scientific Research
CB Designation: Restricted Research
Project Type: Contract - Research
Project Title: Modeling and Control for Optimized Fluid and Drug Delivery in Trauma Patient Care

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CULLEN COLLEGE OF ENGINEERING**Mechanical Engineering**

Investigator: Franchek, Matthew Dr. 50%
Award Amount: \$60,000.00
Cost Center: 00730 / 5022 / H0073 / B0001 / C109601 / 57040
Agency: Transocean
Pass_Thru Agency:
Agency Type: PROFIT
Duration: 1/1/2015 to 12/31/2015
CFDA:
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Mini BOP

Investigator: Grigoriadis, Karolos M. Dr. 50%
Award Amount: \$60,000.00
Cost Center: 00730 / 5022 / H0073 / B0001 / C109601 / 57040
Agency: Transocean
Pass_Thru Agency:
Agency Type: PROFIT
Duration: 1/1/2015 to 12/31/2015
CFDA:
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Mini BOP

DIVISION OF RESEARCH**TcSUH**

Investigator: Jacobson, Allan J. Dr. 40%
Award Amount: \$9,739.20
Cost Center: 00730 / 5022 / H0452 / B0001 / C109399 / 56830
Agency: Rare Resource Recycling
Pass_Thru Agency:
Agency Type: PROFIT
Duration: 11/15/2014 to 5/14/2015
CFDA:
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Rare Earth Elements Recovery from NdFeB Magnets

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DIVISION OF RESEARCH**TcSUH**

Investigator: Yao, Yan Dr. 30%
Award Amount: \$61,272.30
Cost Center: 00730 / 5013 / H0070 / B0001 / G106207 / 52913
Agency: U.S. Navy Office of Naval Research
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 5/1/2013 to 4/30/2016
CFDA: 12.300 Basic and Applied Scientific Research
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Developing Multivalent Ion Intercalation Batteries as High Energy and Safe Marine Distributed Power Sources

Investigator: Meen, James Dr. 70%
Award Amount: \$7,000.00
Cost Center: 00730 / 5043 / H0452 / B0001 / G107616 / 54500
Agency: Clarkson Aerospace Corporation
Pass_Thru Agency: U.S. Air Force Research Laboratory
Agency Type: FEDERAL
Duration: 9/3/2013 to 12/31/2015
CFDA: 12.800 Air Force Defense Research Sciences Program
CB Designation: Restricted Research
Project Type: Contract - Research
Project Title: AFRL Collaboration Program-Materials and Manufacturing Research

Texas Obesity Research Center

Investigator: Laughlin, Mitzi Dr. 11%
Award Amount: \$49,500.00
Cost Center: 00730 / 5022 / H0065 / B0001 / C109267 / 56647
Agency: Joe W. King Orthopedic Institute
Pass_Thru Agency:
Agency Type: PROFIT
Duration: 12/1/2014 to 11/30/2017
CFDA:
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Clinical and Translational Methods and Outcomes in Orthopedic Surgery

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DIVISION OF RESEARCH

Texas Obesity Research Center

Investigator: O'Connor, Daniel Dr. 33%
Award Amount: \$148,500.00
Cost Center: 00730 / 5022 / H0065 / B0001 / C109267 / 56647
Agency: Joe W. King Orthopedic Institute
Pass_Thru Agency:
Agency Type: PROFIT
Duration: 12/1/2014 to 11/30/2017
CFDA:
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: Clinical and Translational Methods and Outcomes in Orthopedic Surgery

TIMES

Investigator: Alfano, Candice Dr. 42%
Award Amount: \$21,000.00
Cost Center: 00730 / 5013 / H0288 / B0001 / G108758 / 56643
Agency: NASA - National Aeronautics and Space Administration - Johnson Space Center
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 11/13/2014 to 11/12/2017
CFDA: 43.003 Basic Research, Educational Outreach, or Training in the area of Exploration
CB Designation: Restricted Research
Project Type: Grant - Research
Project Title: CHARACTERIZATION OF PSYCHOLOGICAL RISK, OVERLAP WITH PHYSICAL HEALTH, AND ASSOCIATED PERFORMANCE IN ISOLATED, CONFINED, EXTREME (ICE) ENVIRONMENTS

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VICE PRESIDENT FOR STUDENT AFFAIRS

Childrens Learning Centers

Investigator: Skopal, Jennifer 100%
Award Amount: \$375,000.00
Cost Center: 00730 / 5013 / H0229 / C0001 / G107084 / 56561
Agency: U.S. Department of Education
Pass_Thru Agency:
Agency Type: FEDERAL
Duration: 10/1/2014 to 9/30/2018
CFDA: 84.335 Discretionary Grants for Institutions of Higher Education
CB Designation: Non Research
Project Type: Grant - Public Service
Project Title: Child Care Access Means Parents In School (CCAMPIS)

REPORTING PERIOD ACTIVITY SUMMARY

Federal Funding: \$3,985,557.72
State Funding: \$15,590.00
Local Funding: \$0.00
Profit Funding: \$1,710,794.17
Non Profit Funding: \$17,198.64
Foundation Funding: \$112,000.00
University Funding: \$164,974.95
Total: \$6,006,115.48