

**University of Houston**  
**Division of Research**  
**New Grants and Continuation Awards for Research,**  
**Traineeships, Fellowships, Equipment and Buildings**

**Received During June, 2007**

**COLLEGE OF EDUCATION**

**Health and Human Performance**

Investigator: Dr. Rebecca Lee, 100.00%  
Cost Center: G090041 / 5013 / H0065 / B0001  
Title: Maintaining Physical Activity in Ethnic Minority Women  
Agency: National Cancer Institute  
Agency Code: HEW401  
Agency Type: Federal  
Duration: 5/19/2005 to 4/30/2008  
Award Amount: \$457,624.00  
Type of Support: Grant for Research  
CFDA: 93.394 - Cancer Detection and Diagnosis Research  
CB Designation: Restricted Research

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**COLLEGE OF LIBERAL ARTS AND SOCIAL SCIENCES**

**History**

Investigator: Dr. Tyler Priest, 100.00%  
Cost Center: G093829 / 5013 / H0089 / C0001  
Title: Gulf Coast Communities and the Fabrication and Shipbuilding Industry: A Comparative Community Study  
Agency: U.S. Department of Interior - Minerals Management  
Agency Code: INT001  
Agency Type: Federal  
Duration: 9/20/2006 to 9/20/2009  
Award Amount: \$392,568.00  
Type of Support: Co-Op Agreement for Public Service  
CFDA: 15.423 - Minerals Management (MMS) Environmental Studies Progr  
CB Designation: Non Research

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**School of Communication**

Investigator: Dr. Jaesub Lee, 100.00%  
Cost Center: G094036 / 5021 / H0084 / B0001  
Title: Professional Challenges: Communicating with Diverse Publics During Risk and Crisis  
Agency: Public Relations Society of America Foundation  
Agency Code: 6PSA00  
Agency Type: Foundation  
Duration: 1/1/2007 to 11/30/2007  
Award Amount: \$10,000.00  
Type of Support: Grant for Research  
CFDA:  
CB Designation: Restricted Research

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**COLLEGE OF NATURAL SCIENCES AND MATHEMATICS**

**Biology/Biochemistry**

**University of Houston**  
**Division of Research**  
**New Grants and Continuation Awards for Research,**  
**Traineeships, Fellowships, Equipment and Buildings**

**Received During June, 2007**

Investigator: Dr. Arnold Eskin, 95.00%  
Cost Center: G089413 / 5013 / H0104 / B0001  
Title: Circadian Modulation of Long-Term Memory Formation  
Agency: National Institute of Neurological Disorders and Stroke  
Agency Code: HEW411  
Agency Type: Federal  
Duration: 9/15/2004 to 5/31/2008  
Award Amount: \$278,397.50  
Type of Support: Grant for Research  
CFDA: 93.853 - Clinical Research Related to Neurological Disorders  
CB Designation: Restricted Research

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Investigator: Dr. Michael Trivisano, 17.00%  
Cost Center: G093023 / 5013 / H0246 / B0001  
Title: Bioinformatics Approach and Assay Development for the Estimation of the Total Genomic Diversity of  
Agency: U.S. Department of the Interior  
Agency Code: INT000  
Agency Type: Federal  
Duration: 4/30/2007 to 4/29/2008  
Award Amount: \$55,080.00  
Type of Support: Contract for Research  
CFDA: 97.002 - Research Projects  
CB Designation: Restricted Research

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**Center for Applied Geoscience Excellence**

Investigator: Dr. Kurt Marfurt, 50.00%  
Cost Center: G094165 / 5022 / H0451 / B0001  
Title: Research in Imaging New Types of Seismic Data  
Agency: Various Private Profit Agencies  
Agency Code: 3VAR00  
Agency Type: Private Profit  
Duration: 10/1/2006 to 9/30/2007  
Award Amount: \$12,500.00  
Type of Support: Contract for Research  
CFDA:  
CB Designation: Restricted Research

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**Chemistry**

Investigator: Dr. Donald J. Kouri, 50.00%  
Cost Center: G095281 / 5021 / H0246 / B0001  
Title: Chemical Dynamics and The Inverse Scattering Problem (Year 3)  
Agency: The Welch Foundation  
Agency Code: 6WEL00  
Agency Type: Foundation  
Duration: 6/1/2007 to 5/31/2008  
Award Amount: \$40,000.00  
Type of Support: Grant for Research  
CFDA:  
CB Designation: Restricted Research

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**University of Houston**  
**Division of Research**  
**New Grants and Continuation Awards for Research,**  
**Traineeships, Fellowships, Equipment and Buildings**

**Received During June, 2007**

Investigator: Dr. B. Montgomery Pettitt, 50.00%  
Cost Center: G095284 / 5021 / H0103 / B0001  
Title: Structural Theory of Aqueous Electrolyte Solutions (Year 2)  
Agency: The Welch Foundation  
Agency Code: 6WEL00  
Agency Type: Foundation  
Duration: 6/1/2007 to 5/31/2008  
Award Amount: \$40,000.00  
Type of Support: Grant for Research  
CFDA:  
CB Designation: Restricted Research

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**Computer Science**

Investigator: Dr. Yuriy Fofanov, 17.00%  
Cost Center: G093023 / 5013 / H0246 / B0001  
Title: Bioinformatics Approach and Assay Development for the Estimation of the Total Genomic Diversity of  
Agency: U.S. Department of the Interior  
Agency Code: INT000  
Agency Type: Federal  
Duration: 4/30/2007 to 4/29/2008  
Award Amount: \$55,080.00  
Type of Support: Contract for Research  
CFDA: 97.002 - Research Projects  
CB Designation: Restricted Research

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**Geosciences**

Investigator: Dr. Daewon Byun, 50.00%  
Cost Center: G094805 / 5021 / H0429 / B0001  
Title: Application of the Emissions Inventory Preparation System with the CAPSS and Estimation of Biogenic  
Agency: The Korea Environment Institute  
Agency Code: 4NIE00  
Agency Type: Private Non-Profit  
Duration: 2/1/2007 to 10/31/2007  
Award Amount: \$10,526.50  
Type of Support: Contract for Research  
CFDA:  
CB Designation: Restricted Research

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Investigator: Dr. Daewon Byun, 50.00%  
Cost Center: G094806 / 5021 / H0429 / B0001  
Title: Source Apportionments of Air Pollutant Emissions Sources  
Agency: The Korea Environment Institute  
Agency Code: 4NIE00  
Agency Type: Private Non-Profit  
Duration: 2/1/2007 to 10/1/2007  
Award Amount: \$19,210.50  
Type of Support: Contract for Research  
CFDA:  
CB Designation: Restricted Research

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**University of Houston**  
**Division of Research**  
**New Grants and Continuation Awards for Research,**  
**Traineeships, Fellowships, Equipment and Buildings**

**Received During June, 2007**

Investigator: Dr. Daewon Byun, 16.00%  
Cost Center: G095136 / 5016 / H0429 / B0001  
Title: Data Analysis of Air Pollution Measurements from Summer 2006 and Preparation of Model Input  
Agency: Texas Commission on Environmental Quality  
Agency Code: 1TNC00  
Agency Type: State  
Duration: 5/25/2007 to 8/31/2007  
Award Amount: \$40,000.00  
Type of Support: Contract for Research  
CFDA:  
CB Designation: Restricted Research

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Investigator: Dr. Daewon Byun, 50.00%  
Cost Center: G095058 / 5016 / H0429 / B0001  
Title: Improved Modeling Inputs: Land Use and Sea-Surface Temperature  
Agency: Texas Commission on Environmental Quality  
Agency Code: 1TNC00  
Agency Type: State  
Duration: 4/16/2007 to 8/31/2007  
Award Amount: \$20,000.00  
Type of Support: Contract for Research  
CFDA:  
CB Designation: Restricted Research

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Investigator: Dr. Daewon Byun, 26.00%  
Cost Center: G092761 / 5013 / H0429 / B0001  
Title: Characterization of Eastern Texas Air Quality  
Agency: U.S. Environmental Protection Agency  
Agency Code: EPA000  
Agency Type: Federal  
Duration: 5/1/2007 to 4/30/2009  
Award Amount: \$499,538.00  
Type of Support: Grant for Research  
CFDA: 66.202 - Congressionally Mandated Projects  
CB Designation: Restricted Research

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Investigator: Dr. Daewon Byun, 35.00%  
Cost Center: G095057 / 5021 / H0429 / B0001  
Title: Multi-resolution Simulation and Analysis of TexAQSI Air Pollution Events  
Agency: Houston Advanced Research Center  
Agency Code: 4HRC00  
Agency Type: Private Non-Profit  
Duration: 4/9/2007 to 8/31/2007  
Award Amount: \$27,432.65  
Type of Support: Contract for Research  
CFDA:  
CB Designation: Restricted Research

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**University of Houston**  
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**New Grants and Continuation Awards for Research,**  
**Traineeships, Fellowships, Equipment and Buildings**

**Received During June, 2007**

Investigator: Dr. De-Hua Han, 100.00%  
Cost Center: G094777 / 5022 / H0109 / B0001  
Title: Fluid & Rock Properties and Seismic Hydrocarbon Indicators  
Agency: Various Private Profit Agencies  
Agency Code: 3VAR00  
Agency Type: Private Profit  
Duration: 1/1/2007 to 12/31/2007  
Award Amount: \$160,000.00  
Type of Support: Contract for Research  
CFDA:  
CB Designation: Restricted Research

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Investigator: Dr. Shuhab Khan, 100.00%  
Cost Center: G094561 / 5013 / H0109 / B0001  
Title: Assessment & Development of Renewable Groundwater Resources in the Quetta Valley, Pakistan  
Agency: Western Michigan University  
Agency Code: 7WMU00  
Agency Type: University  
Duration: 2/1/2007 to 1/31/2010  
Award Amount: \$18,000.00  
Type of Support: Contract for Research  
CFDA: 98.012 - USAID Development Partnerships for University Cooperatio  
CB Designation: Restricted Research

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Investigator: Dr. Barry Lefer, 24.00%  
Cost Center: G095073 / 5021 / H0429 / B0001  
Title: TRAMP Data Analysis and Radical Chemistry Study  
Agency: Houston Advanced Research Center  
Agency Code: 4HRC00  
Agency Type: Private Non-Profit  
Duration: 4/18/2007 to 8/31/2007  
Award Amount: \$20,400.00  
Type of Support: Contract for Research  
CFDA:  
CB Designation: Restricted Research

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Investigator: Dr. Barry Lefer, 13.00%  
Cost Center: G095136 / 5016 / H0429 / B0001  
Title: Data Analysis of Air Pollution Measurements from Summer 2006 and Preparation of Model Input  
Agency: Texas Commission on Environmental Quality  
Agency Code: 1TNC00  
Agency Type: State  
Duration: 5/25/2007 to 8/31/2007  
Award Amount: \$32,500.00  
Type of Support: Contract for Research  
CFDA:  
CB Designation: Restricted Research

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**University of Houston**  
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**Traineeships, Fellowships, Equipment and Buildings**

**Received During June, 2007**

Investigator: Dr. Barry Lefer, 12.00%  
Cost Center: G092761 / 5013 / H0429 / B0001  
Title: Characterization of Eastern Texas Air Quality  
Agency: U.S. Environmental Protection Agency  
Agency Code: EPA000  
Agency Type: Federal  
Duration: 5/1/2007 to 4/30/2009  
Award Amount: \$230,556.00  
Type of Support: Grant for Research  
CFDA: 66.202 - Congressionally Mandated Projects  
CB Designation: Restricted Research

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Investigator: Dr. Kurt Marfurt, 50.00%  
Cost Center: G094165 / 5022 / H0451 / B0001  
Title: Research in Imaging New Types of Seismic Data  
Agency: Various Private Profit Agencies  
Agency Code: 3VAR00  
Agency Type: Private Profit  
Duration: 10/1/2006 to 9/30/2007  
Award Amount: \$12,500.00  
Type of Support: Contract for Research  
CFDA:  
CB Designation: Restricted Research

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Investigator: Dr. Bernhard Rappenglueck, 26.00%  
Cost Center: G095073 / 5021 / H0429 / B0001  
Title: TRAMP Data Analysis and Radical Chemistry Study  
Agency: Houston Advanced Research Center  
Agency Code: 4HRC00  
Agency Type: Private Non-Profit  
Duration: 4/18/2007 to 8/31/2007  
Award Amount: \$22,100.00  
Type of Support: Contract for Research  
CFDA:  
CB Designation: Restricted Research

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Investigator: Dr. Bernhard Rappenglueck, 21.00%  
Cost Center: G095136 / 5016 / H0429 / B0001  
Title: Data Analysis of Air Pollution Measurements from Summer 2006 and Preparation of Model Input  
Agency: Texas Commission on Environmental Quality  
Agency Code: 1TNC00  
Agency Type: State  
Duration: 5/25/2007 to 8/31/2007  
Award Amount: \$52,500.00  
Type of Support: Contract for Research  
CFDA:  
CB Designation: Restricted Research

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Investigator: Dr. Bernhard Rappenglueck, 12.00%  
Cost Center: G092761 / 5013 / H0429 / B0001  
Title: Characterization of Eastern Texas Air Quality  
Agency: U.S. Environmental Protection Agency  
Agency Code: EPA000  
Agency Type: Federal  
Duration: 5/1/2007 to 4/30/2009  
Award Amount: \$230,556.00  
Type of Support: Grant for Research  
CFDA: 66.202 - Congressionally Mandated Projects  
CB Designation: Restricted Research

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Investigator: Dr. Bernhard Rappenglueck, 15.00%  
Cost Center: G095057 / 5021 / H0429 / B0001  
Title: Multi-resolution Simulation and Analysis of TexAQSI Air Pollution Events  
Agency: Houston Advanced Research Center  
Agency Code: 4HRC00  
Agency Type: Private Non-Profit  
Duration: 4/9/2007 to 8/31/2007  
Award Amount: \$11,756.85  
Type of Support: Contract for Research  
CFDA:  
CB Designation: Restricted Research

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**Institute for Molecular Biology**

Investigator: Dr. Arnold Eskin, 5.00%  
Cost Center: G089413 / 5013 / H0104 / B0001  
Title: Circadian Modulation of Long-Term Memory Formation  
Agency: National Institute of Neurological Disorders and Stroke  
Agency Code: HEW411  
Agency Type: Federal  
Duration: 9/15/2004 to 5/31/2008  
Award Amount: \$14,652.50  
Type of Support: Grant for Research  
CFDA: 93.853 - Clinical Research Related to Neurological Disorders  
CB Designation: Restricted Research

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**Institute for Multidimensional Air Quality Studies**

Investigator: Dr. Daewon Byun, 50.00%  
Cost Center: G094805 / 5021 / H0429 / B0001  
Title: Application of the Emissions Inventory Preparation System with the CAPSS and Estimation of Biogenic  
Agency: The Korea Environment Institute  
Agency Code: 4NIE00  
Agency Type: Private Non-Profit  
Duration: 2/1/2007 to 10/31/2007  
Award Amount: \$10,526.50  
Type of Support: Contract for Research  
CFDA:  
CB Designation: Restricted Research

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**Received During June, 2007**

Investigator: Dr. Daewon Byun, 50.00%  
Cost Center: G094806 / 5021 / H0429 / B0001  
Title: Source Apportionments of Air Pollutant Emissions Sources  
Agency: The Korea Environment Institute  
Agency Code: 4NIE00  
Agency Type: Private Non-Profit  
Duration: 2/1/2007 to 10/1/2007  
Award Amount: \$19,210.50  
Type of Support: Contract for Research  
CFDA:  
CB Designation: Restricted Research

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Investigator: Dr. Daewon Byun, 16.00%  
Cost Center: G095136 / 5016 / H0429 / B0001  
Title: Data Analysis of Air Pollution Measurements from Summer 2006 and Preparation of Model Input  
Agency: Texas Commission on Environmental Quality  
Agency Code: 1TNC00  
Agency Type: State  
Duration: 5/25/2007 to 8/31/2007  
Award Amount: \$40,000.00  
Type of Support: Contract for Research  
CFDA:  
CB Designation: Restricted Research

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Investigator: Dr. Daewon Byun, 50.00%  
Cost Center: G095058 / 5016 / H0429 / B0001  
Title: Improved Modeling Inputs: Land Use and Sea-Surface Temperature  
Agency: Texas Commission on Environmental Quality  
Agency Code: 1TNC00  
Agency Type: State  
Duration: 4/16/2007 to 8/31/2007  
Award Amount: \$20,000.00  
Type of Support: Contract for Research  
CFDA:  
CB Designation: Restricted Research

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Investigator: Dr. Daewon Byun, 26.00%  
Cost Center: G092761 / 5013 / H0429 / B0001  
Title: Characterization of Eastern Texas Air Quality  
Agency: U.S. Environmental Protection Agency  
Agency Code: EPA000  
Agency Type: Federal  
Duration: 5/1/2007 to 4/30/2009  
Award Amount: \$499,538.00  
Type of Support: Grant for Research  
CFDA: 66.202 - Congressionally Mandated Projects  
CB Designation: Restricted Research

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**University of Houston**  
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Investigator: Dr. Daewon Byun, 35.00%  
Cost Center: G095057 / 5021 / H0429 / B0001  
Title: Multi-resolution Simulation and Analysis of TexAQSI Air Pollution Events  
Agency: Houston Advanced Research Center  
Agency Code: 4HRC00  
Agency Type: Private Non-Profit  
Duration: 4/9/2007 to 8/31/2007  
Award Amount: \$27,432.65  
Type of Support: Contract for Research  
CFDA:  
CB Designation: Restricted Research

---

Investigator: Dr. Barry Lefer, 24.00%  
Cost Center: G095073 / 5021 / H0429 / B0001  
Title: TRAMP Data Analysis and Radical Chemistry Study  
Agency: Houston Advanced Research Center  
Agency Code: 4HRC00  
Agency Type: Private Non-Profit  
Duration: 4/18/2007 to 8/31/2007  
Award Amount: \$20,400.00  
Type of Support: Contract for Research  
CFDA:  
CB Designation: Restricted Research

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Investigator: Dr. Barry Lefer, 13.00%  
Cost Center: G095136 / 5016 / H0429 / B0001  
Title: Data Analysis of Air Pollution Measurements from Summer 2006 and Preparation of Model Input  
Agency: Texas Commission on Environmental Quality  
Agency Code: 1TNC00  
Agency Type: State  
Duration: 5/25/2007 to 8/31/2007  
Award Amount: \$32,500.00  
Type of Support: Contract for Research  
CFDA:  
CB Designation: Restricted Research

---

Investigator: Dr. Barry Lefer, 12.00%  
Cost Center: G092761 / 5013 / H0429 / B0001  
Title: Characterization of Eastern Texas Air Quality  
Agency: U.S. Environmental Protection Agency  
Agency Code: EPA000  
Agency Type: Federal  
Duration: 5/1/2007 to 4/30/2009  
Award Amount: \$230,556.00  
Type of Support: Grant for Research  
CFDA: 66.202 - Congressionally Mandated Projects  
CB Designation: Restricted Research

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**University of Houston**  
**Division of Research**  
**New Grants and Continuation Awards for Research,**  
**Traineeships, Fellowships, Equipment and Buildings**

**Received During June, 2007**

Investigator: Dr. Bernhard Rappenglueck, 26.00%  
Cost Center: G095073 / 5021 / H0429 / B0001  
Title: TRAMP Data Analysis and Radical Chemistry Study  
Agency: Houston Advanced Research Center  
Agency Code: 4HRC00  
Agency Type: Private Non-Profit  
Duration: 4/18/2007 to 8/31/2007  
Award Amount: \$22,100.00  
Type of Support: Contract for Research  
CFDA:  
CB Designation: Restricted Research

---

Investigator: Dr. Bernhard Rappenglueck, 21.00%  
Cost Center: G095136 / 5016 / H0429 / B0001  
Title: Data Analysis of Air Pollution Measurements from Summer 2006 and Preparation of Model Input  
Agency: Texas Commission on Environmental Quality  
Agency Code: 1TNC00  
Agency Type: State  
Duration: 5/25/2007 to 8/31/2007  
Award Amount: \$52,500.00  
Type of Support: Contract for Research  
CFDA:  
CB Designation: Restricted Research

---

Investigator: Dr. Bernhard Rappenglueck, 12.00%  
Cost Center: G092761 / 5013 / H0429 / B0001  
Title: Characterization of Eastern Texas Air Quality  
Agency: U.S. Environmental Protection Agency  
Agency Code: EPA000  
Agency Type: Federal  
Duration: 5/1/2007 to 4/30/2009  
Award Amount: \$230,556.00  
Type of Support: Grant for Research  
CFDA: 66.202 - Congressionally Mandated Projects  
CB Designation: Restricted Research

---

Investigator: Dr. Bernhard Rappenglueck, 15.00%  
Cost Center: G095057 / 5021 / H0429 / B0001  
Title: Multi-resolution Simulation and Analysis of TexAQSI Air Pollution Events  
Agency: Houston Advanced Research Center  
Agency Code: 4HRC00  
Agency Type: Private Non-Profit  
Duration: 4/9/2007 to 8/31/2007  
Award Amount: \$11,756.85  
Type of Support: Contract for Research  
CFDA:  
CB Designation: Restricted Research

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**Physics**

**University of Houston**  
**Division of Research**  
**New Grants and Continuation Awards for Research,**  
**Traineeships, Fellowships, Equipment and Buildings**

**Received During June, 2007**

Investigator: Dr. William Foster, 100.00%  
Cost Center: G094554 / 5021 / H0112 / B0001  
Title: Retinal Prosthetics: The Effect of the Elastic Modulus of the Extracellular Matrix on the Development and Di  
Agency: The National Academies  
Agency Code: 4TNA00  
Agency Type: Private Non-Profit  
Duration: 5/1/2007 to 5/31/2009  
Award Amount: \$75,000.00  
Type of Support: Grant for Research  
CFDA:  
CB Designation: Restricted Research

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Investigator: Dr. Alex Ignatiev, 25.00%  
Cost Center: G095280 / 5021 / H0453 / B0001  
Title: The Chemical Interaction of Absorbed Molecular and Atomic Species With Surfaces (Year 3)  
Agency: The Welch Foundation  
Agency Code: 6WEL00  
Agency Type: Foundation  
Duration: 6/1/2007 to 5/31/2008  
Award Amount: \$15,000.00  
Type of Support: Grant for Research  
CFDA:  
CB Designation: Restricted Research

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Investigator: Dr. Kwong Lau, 100.00%  
Cost Center: G093501 / 5013 / H0112 / B0001  
Title: Detector/Muon Tracker Design and Prototype Test  
Agency: University of California - Lawrence Berkeley Laboratory  
Agency Code: 7CAL30  
Agency Type: University  
Duration: 8/24/2006 to 10/31/2007  
Award Amount: \$28,800.00  
Type of Support: Contract for Research  
CFDA: 81.049 - Office of Energy Research Financial Assistance Program  
CB Designation: Restricted Research

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Investigator: Dr. Arthur Weglein, 100.00%  
Cost Center: G094786 / 5022 / H0112 / B0001  
Title: Mission-Oriented Seismic Research Program  
Agency: Various Private Profit Agencies  
Agency Code: 3VAR00  
Agency Type: Private Profit  
Duration: 1/1/2007 to 12/31/2007  
Award Amount: \$40,000.00  
Type of Support: Contract for Research  
CFDA:  
CB Designation: Restricted Research

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**University of Houston**  
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**New Grants and Continuation Awards for Research,**  
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**Received During June, 2007**

Investigator: Dr. Nai-Juan Wu, 25.00%  
Cost Center: G005278 / 5022 / H0245 / B0001  
Title: Electrically Variable Resistive Memory  
Agency: Sharp Laboratories of America, Inc.  
Agency Code: 3SLA00  
Agency Type: Private Profit  
Duration: 4/1/2001 to 3/31/2008  
Award Amount: \$50,000.00  
Type of Support: Contract for Research  
CFDA:  
CB Designation: Restricted Research

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**COLLEGE OF OPTOMETRY**

**Community Optometry**

Investigator: Dr. Ronald S. Harwerth, 100.00%  
Cost Center: G092343 / 5013 / H0114 / B0001  
Title: Behavioral Measures of Vision  
Agency: National Eye Institute  
Agency Code: HEW402  
Agency Type: Federal  
Duration: 9/1/2006 to 6/30/2008  
Award Amount: \$361,497.00  
Type of Support: Grant for Research  
CFDA: 93.867 - Vision Research  
CB Designation: Restricted Research

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**COLLEGE OF PHARMACY**

**Clinical Sciences and Administration**

Investigator: Dr. Kevin Garey, 100.00%  
Cost Center: G094877 / 5022 / H0118 / B0100  
Title: A Risk Index Based on Host Inflammatory and Immune Response to Clostridium Difficile-Associated Diarrhe  
Agency: Viropharma, Inc.  
Agency Code: 3VIR00  
Agency Type: Private Profit  
Duration: 4/17/2007 to 4/16/2009  
Award Amount: \$112,284.00  
Type of Support: Contract for Research  
CFDA:  
CB Designation: Non Research

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**COLLEGE OF TECHNOLOGY**

**Engineering Technology**

**University of Houston**  
**Division of Research**  
**New Grants and Continuation Awards for Research,**  
**Traineeships, Fellowships, Equipment and Buildings**

**Received During June, 2007**

Investigator: Dr. Farouk G. Attia, 100.00%  
Cost Center: G092311 / 5021 / H0139 / B0001  
Title: A Study of Flexible Linking of Manufacturing Planning to Customer Requirements at Woodco USA  
Agency: Woodco USA  
Agency Code: 3WUS00  
Agency Type: Private Profit  
Duration: 10/1/2005 to 8/31/2008  
Award Amount: \$18,500.00  
Type of Support: Contract for Research  
CFDA:  
CB Designation: Restricted Research

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**Human Development and Consumer Science**

Investigator: Dr. Holly Hutchins, 90.00%  
Cost Center: G094493 / 5022 / H0140 / B0100  
Title: Developing an Internal Coaching Training Program  
Agency: Key Energy Services  
Agency Code: 3KES00  
Agency Type: Private Profit  
Duration: 1/1/2007 to 8/31/2007  
Award Amount: \$9,450.00  
Type of Support: Contract for Research  
CFDA:  
CB Designation: Non Restricted Research

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Investigator: Dr. Consuelo Waight, 10.00%  
Cost Center: G094493 / 5022 / H0140 / B0100  
Title: Developing an Internal Coaching Training Program  
Agency: Key Energy Services  
Agency Code: 3KES00  
Agency Type: Private Profit  
Duration: 1/1/2007 to 8/31/2007  
Award Amount: \$1,050.00  
Type of Support: Contract for Research  
CFDA:  
CB Designation: Non Restricted Research

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**CULLEN COLLEGE OF ENGINEERING**

**Chemical Engineering**

Investigator: Dr. Vemuri Balakotaiah, 50.00%  
Cost Center: G091373 / 5013 / H0067 / B0001  
Title: Kinetic and Performance Studies of the Regeneration Phase of Model Pt/Ba/Rh Nox Traps for Design and Opt  
Agency: U.S. Department of Energy - National Energy Technology Laboratory  
Agency Code: DOE101  
Agency Type: Federal  
Duration: 10/1/2005 to 9/30/2009  
Award Amount: \$41,197.50  
Type of Support: Co-Op Agreement for Research  
CFDA: 81.117 - Energy Efficiency and Renewable Engery Information Disse  
CB Designation: Restricted Research

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**University of Houston**  
**Division of Research**  
**New Grants and Continuation Awards for Research,**  
**Traineeships, Fellowships, Equipment and Buildings**

**Received During June, 2007**

Investigator: Dr. Michael Harold, 50.00%  
Cost Center: G091373 / 5013 / H0067 / B0001  
Title: Kinetic and Performance Studies of the Regeneration Phase of Model Pt/Ba/Rh Nox Traps for Design and Opt  
Agency: U.S. Department of Energy - National Energy Technology Laboratory  
Agency Code: DOE101  
Agency Type: Federal  
Duration: 10/1/2005 to 9/30/2009  
Award Amount: \$41,197.50  
Type of Support: Co-Op Agreement for Research  
CFDA: 81.117 - Energy Efficiency and Renewable Engery Information Disse  
CB Designation: Restricted Research

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Investigator: Dr. Kishore K. Mohanty, 100.00%  
Cost Center: G093804 / 5021 / H0067 / B0001  
Title: Mechanistic Understanding of Wettability Alteration in Fractured Carbonate Reservoirs  
Agency: Petroleum Research Fund  
Agency Code: 4PRF00  
Agency Type: Private Non-Profit  
Duration: 5/1/2007 to 8/31/2010  
Award Amount: \$135,000.00  
Type of Support: Grant for Research  
CFDA:  
CB Designation: Restricted Research

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Investigator: Dr. Peter Strasser, 100.00%  
Cost Center: G094418 / 5021 / H0067 / B0001  
Title: Synthesis and Kinetic In-Situ-Structural Investigation of Pt Alloy Nanoparticle Catalysts (Supplement for  
Agency: Petroleum Research Fund  
Agency Code: 4PRF00  
Agency Type: Private Non-Profit  
Duration: 9/1/2006 to 8/31/2008  
Award Amount: \$5,000.00  
Type of Support: Grant for Research  
CFDA:  
CB Designation: Restricted Research

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Investigator: Dr. Richard C. Willson, 100.00%  
Cost Center: G095279 / 5021 / H0067 / B0001  
Title: Biophysical Chemistry of Molecular Recognition (Year 3)  
Agency: The Welch Foundation  
Agency Code: 6WEL00  
Agency Type: Foundation  
Duration: 6/1/2007 to 5/31/2008  
Award Amount: \$50,000.00  
Type of Support: Grant for Research  
CFDA:  
CB Designation: Restricted Research

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**University of Houston**  
**Division of Research**  
**New Grants and Continuation Awards for Research,**  
**Traineeships, Fellowships, Equipment and Buildings**

**Received During June, 2007**

Investigator: Dr. Richard C. Willson, 17.00%  
Cost Center: G093023 / 5013 / H0246 / B0001  
Title: Bioinformatics Approach and Assay Development for the Estimation of the Total Genomic Diversity of  
Agency: U.S. Department of the Interior  
Agency Code: INT000  
Agency Type: Federal  
Duration: 4/30/2007 to 4/29/2008  
Award Amount: \$55,080.00  
Type of Support: Contract for Research  
CFDA: 97.002 - Research Projects  
CB Designation: Restricted Research

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**Civil Engineering**

Investigator: Dr. Shankar Chellam, 100.00%  
Cost Center: G092567 / 5013 / H0068 / B0001  
Title: REU Supplement: CAREER: Disinfection Using Membranes: Optimizing Virus and Disinfection By-Product  
Agency: National Science Foundation  
Agency Code: NSF000  
Agency Type: Federal  
Duration: 2/10/2006 to 6/30/2008  
Award Amount: \$6,000.00  
Type of Support: Grant for Research  
CFDA: 47.041 - Engineering Grants  
CB Designation: Restricted Research

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**Dean, Engineering**

Investigator: Dr. Katherine Zerda, 100.00%  
Cost Center: G092960 / 5021 / H0066 / C0001  
Title: Mentoring and Enrichment Seminar in Engineering Training (MESET)  
Agency: Texas Alliance for Minorities in Engineering, Inc.  
Agency Code: 4TAE00  
Agency Type: Private Non-Profit  
Duration: 4/1/2006 to 3/31/2007  
Award Amount: \$200.00  
Type of Support: Contract for Public Service  
CFDA:  
CB Designation: Non Research

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**Mechanical Engineering**

Investigator: Dr. Viktor Hadjiev, 30.00%  
Cost Center: G095077 / 5013 / H0452 / B0001  
Title: Minority Leaders, Materials and Manufacturing Research for HBCU/MI Support, AFRL/MI  
Agency: Clarkson Aerospace Corporation  
Agency Code: 3CLA00  
Agency Type: Private Profit  
Duration: 2/15/2007 to 1/15/2008  
Award Amount: \$15,000.00  
Type of Support: Contract for Research  
CFDA: 12.800 - Air Force Defense Research Sciences Program  
CB Designation: Restricted Research

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**University of Houston**  
**Division of Research**  
**New Grants and Continuation Awards for Research,**  
**Traineeships, Fellowships, Equipment and Buildings**

**Received During June, 2007**

**Center for Advanced Materials**

Investigator: Dr. Alex Ignatiev, 75.00%  
Cost Center: G095280 / 5021 / H0453 / B0001  
Title: The Chemical Interaction of Absorbed Molecular and Atomic Species With Surfaces (Year 3)  
Agency: The Welch Foundation  
Agency Code: 6WEL00  
Agency Type: Foundation  
Duration: 6/1/2007 to 5/31/2008  
Award Amount: \$45,000.00  
Type of Support: Grant for Research  
CFDA:  
CB Designation: Restricted Research

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Investigator: Dr. Nai-Juan Wu, 75.00%  
Cost Center: G005278 / 5022 / H0245 / B0001  
Title: Electrically Variable Resistive Memory  
Agency: Sharp Laboratories of America, Inc.  
Agency Code: 3SLA00  
Agency Type: Private Profit  
Duration: 4/1/2001 to 3/31/2008  
Award Amount: \$150,000.00  
Type of Support: Contract for Research  
CFDA:  
CB Designation: Restricted Research

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**Institute for Molecular Design**

Investigator: Dr. B. Montgomery Pettitt, 45.00%  
Cost Center: G095284 / 5021 / H0103 / B0001  
Title: Structural Theory of Aqueous Electrolyte Solutions (Year 2)  
Agency: The Welch Foundation  
Agency Code: 6WEL00  
Agency Type: Foundation  
Duration: 6/1/2007 to 5/31/2008  
Award Amount: \$36,000.00  
Type of Support: Grant for Research  
CFDA:  
CB Designation: Restricted Research

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**Space Vacuum Epitaxy Center**

Investigator: Dr. Nai-Juan Wu, 0.00%  
Cost Center: G005278 / 5022 / H0245 / B0001  
Title: Electrically Variable Resistive Memory  
Agency: Sharp Laboratories of America, Inc.  
Agency Code: 3SLA00  
Agency Type: Private Profit  
Duration: 4/1/2001 to 3/31/2008  
Award Amount: \$0.00  
Type of Support: Contract for Research  
CFDA:  
CB Designation: Restricted Research

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**TcSUH**

**University of Houston**  
**Division of Research**  
**New Grants and Continuation Awards for Research,**  
**Traineeships, Fellowships, Equipment and Buildings**

**Received During June, 2007**

Investigator: Dr. Viktor Hadjiev, 70.00%  
Cost Center: G095077 / 5013 / H0452 / B0001  
Title: Minority Leaders, Materials and Manufacturing Research for HBCU/MI Support, AFRL/MI  
Agency: Clarkson Aerospace Corporation  
Agency Code: 3CLA00  
Agency Type: Private Profit  
Duration: 2/15/2007 to 1/15/2008  
Award Amount: \$35,000.00  
Type of Support: Contract for Research  
CFDA: 12.800 - Air Force Defense Research Sciences Program  
CB Designation: Restricted Research

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**Texas Learning/Computation Center**

Investigator: Dr. Yuriy Fofanov, 17.00%  
Cost Center: G093023 / 5013 / H0246 / B0001  
Title: Bioinformatics Approach and Assay Development for the Estimation of the Total Genomic Diversity of  
Agency: U.S. Department of the Interior  
Agency Code: INT000  
Agency Type: Federal  
Duration: 4/30/2007 to 4/29/2008  
Award Amount: \$55,080.00  
Type of Support: Contract for Research  
CFDA: 97.002 - Research Projects  
CB Designation: Restricted Research

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Investigator: Dr. Donald J. Kouri, 50.00%  
Cost Center: G095281 / 5021 / H0246 / B0001  
Title: Chemical Dynamics and The Inverse Scattering Problem (Year 3)  
Agency: The Welch Foundation  
Agency Code: 6WEL00  
Agency Type: Foundation  
Duration: 6/1/2007 to 5/31/2008  
Award Amount: \$40,000.00  
Type of Support: Grant for Research  
CFDA:  
CB Designation: Restricted Research

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Investigator: Dr. B. Montgomery Pettitt, 5.00%  
Cost Center: G095284 / 5021 / H0103 / B0001  
Title: Structural Theory of Aqueous Electrolyte Solutions (Year 2)  
Agency: The Welch Foundation  
Agency Code: 6WEL00  
Agency Type: Foundation  
Duration: 6/1/2007 to 5/31/2008  
Award Amount: \$4,000.00  
Type of Support: Grant for Research  
CFDA:  
CB Designation: Restricted Research

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**University of Houston**  
**Division of Research**  
**New Grants and Continuation Awards for Research,**  
**Traineeships, Fellowships, Equipment and Buildings**

**Received During June, 2007**

Investigator: Dr. Michael Travisano, 16.00%  
 Cost Center: G093023 / 5013 / H0246 / B0001  
 Title: Bioinformatics Approach and Assay Development for the Estimation of the Total Genomic Diversity of  
 Agency: U.S. Department of the Interior  
 Agency Code: INT000  
 Agency Type: Federal  
 Duration: 4/30/2007 to 4/29/2008  
 Award Amount: \$51,840.00  
 Type of Support: Contract for Research  
 CFDA: 97.002 - Research Projects  
 CB Designation: Restricted Research

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Investigator: Dr. Richard C. Willson, 16.00%  
 Cost Center: G093023 / 5013 / H0246 / B0001  
 Title: Bioinformatics Approach and Assay Development for the Estimation of the Total Genomic Diversity of  
 Agency: U.S. Department of the Interior  
 Agency Code: INT000  
 Agency Type: Federal  
 Duration: 4/30/2007 to 4/29/2008  
 Award Amount: \$51,840.00  
 Type of Support: Contract for Research  
 CFDA: 97.002 - Research Projects  
 CB Designation: Restricted Research

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<b>Total Federal</b>	<b>\$3,838,434.00</b>
<b>Total State</b>	<b>\$290,000.00</b>
<b>Total Local</b>	<b>\$0.00</b>
<b>Total Other</b>	<b>\$1,381,137.00</b>
<b>TOTAL THIS MONTH</b>	<b>\$5,509,571.00</b>