

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

**Received During January, 2008**

**COLLEGE OF EDUCATION**

**Consistency Mgmt and Coop Disc**

Investigator: Dr. H. Jerome Freiberg, 100.00%  
Cost Center: G094173 / 5021 / H0063 / C0001  
Title: Project GRAD Akron Buchtel Feeder Pattern Middle School (Implementation Year 3)  
Agency: Project Grad - Akron  
Agency Code: 4PGX12  
Agency Type: Private Non-Profit  
Duration: 7/1/2006 to 6/30/2008  
Award Amount: \$1,633.00  
Type of Support: Contract for Public Service  
CFDA:  
CB Designation: Non Research

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Investigator: Dr. H. Jerome Freiberg, 100.00%  
Cost Center: G094174 / 5021 / H0063 / C0001  
Title: Project GRAD Akron Buchtel Feeder Pattern High School (Implementation Year 3)  
Agency: Project Grad - Akron  
Agency Code: 4PGX12  
Agency Type: Private Non-Profit  
Duration: 7/1/2006 to 6/30/2008  
Award Amount: \$1,990.00  
Type of Support: Contract for Public Service  
CFDA:  
CB Designation: Non Research

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**Curriculum and Instruction**

Investigator: Dr. H. Jerome Freiberg, 100.00%  
Cost Center: G096382 / 5021 / H0063 / C0001  
Title: Lilian Baylis Technology School (Phase II)  
Agency: Lilian Baylis School  
Agency Code: 4LBS00  
Agency Type: Private Non-Profit  
Duration: 9/1/2007 to 8/31/2008  
Award Amount: \$57,203.00  
Type of Support: Contract for Public Service  
CFDA:  
CB Designation: Non Research

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**Health and Human Performance**

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

**Received During January, 2008**

Investigator: Dr. Charles S. Layne, 100.00%  
Cost Center: G096381 / 5013 / H0065 / B0001  
Title: Enhanced Development of the Office of Scientific Data Review and Dissemination - Task Order 14  
Agency: WYLE Laboratories  
Agency Code: 3WYL00  
Agency Type: Private Profit  
Duration: 1/1/2008 to 9/30/2008  
Award Amount: \$127,262.39  
Type of Support: Contract for Research  
CFDA: 43.001 - Aerospace Education Services Program  
CB Designation: Restricted Research

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Investigator: Dr. Charles S. Layne, 100.00%  
Cost Center: G092300 / 5013 / H0065 / B0001  
Title: Enhanced Development of the Office of Scientific Data Review and Dissemination - Task 7  
Agency: WYLE Laboratories  
Agency Code: 3WYL00  
Agency Type: Private Profit  
Duration: 11/10/2005 to 9/30/2008  
Award Amount: \$122,808.76  
Type of Support: Contract for Research  
CFDA: 43.001 - Aerospace Education Services Program  
CB Designation: Restricted Research

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Investigator: Dr. Charles S. Layne, 100.00%  
Cost Center: G093584 / 5013 / H0065 / B0001  
Title: Enhanced Development of the Office of Scientific Data Review and Dissemination--Task 8  
Agency: WYLE Laboratories  
Agency Code: 3WYL00  
Agency Type: Private Profit  
Duration: 8/1/2006 to 9/30/2008  
Award Amount: \$117,494.55  
Type of Support: Contract for Research  
CFDA: 43.001 - Aerospace Education Services Program  
CB Designation: Restricted Research

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Investigator: Dr. Kim Matalon, 100.00%  
Cost Center: G096416 / 5015 / H0065 / B0100  
Title: Response of Phenylketonuria to Tetrahydrobiopterin (BH4)  
Agency: University of Texas Medical Branch at Galveston  
Agency Code: 1UTX50  
Agency Type: State  
Duration: 4/1/2007 to 3/31/2008  
Award Amount: \$57,928.00  
Type of Support: Contract for Research  
CFDA: 93.103 - Food and Drug Administration: Research  
CB Designation: Non Restricted Research

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**Received During January, 2008**

Investigator: Dr. Daniel O'Connor, 100.00%  
Cost Center: G096377 / 5022 / H0065 / B0001  
Title: Measurement and analysis of clinical and patient-oriented outcomes in orthopedic surgery  
Agency: Joe W. King Orthopedic Institute  
Agency Code: 3JWK00  
Agency Type: Private Profit  
Duration: 12/1/2007 to 11/30/2008  
Award Amount: \$134,000.00  
Type of Support: Grant for Research  
CFDA:  
CB Designation: Restricted Research

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**COLLEGE OF LIBERAL ARTS AND SOCIAL SCIENCES**

**Anthropology**

Investigator: Dr. Kenneth L. Brown, 100.00%  
Cost Center: G095007 / 5013 / H0121 / D0001  
Title: Archaeological Investigation of the Magnolia Plantation Quarters Community  
Agency: Cane River National Heritage Area  
Agency Code: 4CRN00  
Agency Type: Private Non-Profit  
Duration: 7/15/2007 to 7/14/2008  
Award Amount: \$18,883.00  
Type of Support: Grant for Academic Support  
CFDA: 15.904 - Historic Preservation Fund Grants-In-Aid  
CB Designation: Non Research

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**Arte Publico Press**

Investigator: Dr. Nicolas Kanellos, 100.00%  
Cost Center: G095000 / 5021 / H0093 / C0001  
Title: General Operating Support 2008  
Agency: The Houston Arts Alliance  
Agency Code: 4CAC00  
Agency Type: Private Non-Profit  
Duration: 7/1/2007 to 6/30/2008  
Award Amount: \$67,300.00  
Type of Support: Grant for Public Service  
CFDA:  
CB Designation: Non Research

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**Psychology**

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

**Received During January, 2008**

Investigator: Dr. Jack Fletcher, 54.00%  
Cost Center: G092583 / 5013 / H0125 / B0001  
Title: Texas Center for Learning Disabilities - Master  
Agency: National Institute of Child Health and Human Development  
Agency Code: HEW407  
Agency Type: Federal  
Duration: 6/1/2006 to 11/30/2008  
Award Amount: \$707,997.78  
Type of Support: Grant for Research  
CFDA: 93.865 - Center for Research for Mothers and Children  
CB Designation: Restricted Research

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Investigator: Dr. David Francis, 9.00%  
Cost Center: G092583 / 5013 / H0125 / B0001  
Title: Texas Center for Learning Disabilities - Master  
Agency: National Institute of Child Health and Human Development  
Agency Code: HEW407  
Agency Type: Federal  
Duration: 6/1/2006 to 11/30/2008  
Award Amount: \$117,999.63  
Type of Support: Grant for Research  
CFDA: 93.865 - Center for Research for Mothers and Children  
CB Designation: Restricted Research

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Investigator: Dr. David Francis, 20.00%  
Cost Center: G087878 / 5013 / H0288 / B0001  
Title: NCEE-English Language Acquisition Evaluation Research Program  
Agency: U.S. Department of Education  
Agency Code: HEW100  
Agency Type: Federal  
Duration: 10/1/2003 to 9/30/2007  
Award Amount: \$208,305.31  
Type of Support: Co-Op Agreement for Research  
CFDA: 84.305 - National Institute on Student Achievement, Curriculum and  
CB Designation: Restricted Research

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Investigator: Dr. Christiane Spitzmueller, 100.00%  
Cost Center: G096399 / 5022 / H0125 / B0001  
Title: Employee Development and Training at Saudi Aramco: Identifying Opportunities to Accelerate  
Agency: Aramco Services Company  
Agency Code: 3ARA00  
Agency Type: Private Profit  
Duration: 1/1/2008 to 12/31/2009  
Award Amount: \$100,000.00  
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 January, 2008**

Investigator: Dr. John P. Vincent, 100.00%  
Cost Center: G093903 / 5013 / H0125 / B0001  
Title: Treating Late-Life GAD in Primary Care - Jessica Calleo Student Placement  
Agency: Baylor College of Medicine  
Agency Code: 7BAY00  
Agency Type: University  
Duration: 9/1/2006 to 6/30/2007  
Award Amount: \$1,463.00  
Type of Support: Grant for Research  
CFDA: 93.242 - Mental Health Research Grants  
CB Designation: Restricted Research

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**School of Music**

Investigator: Dr. Franz Krager, 100.00%  
Cost Center: G095001 / 5021 / H0090 / C0001  
Title: Texas Music Festival  
Agency: The Houston Arts Alliance  
Agency Code: 4CAC00  
Agency Type: Private Non-Profit  
Duration: 7/1/2007 to 6/30/2008  
Award Amount: \$6,200.00  
Type of Support: Grant for Public Service  
CFDA:  
CB Designation: Non Research

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**Theatre**

Investigator: Dr. Sidney L. Berger, 100.00%  
Cost Center: G094990 / 5021 / H0085 / C0001  
Title: Children's Theatre Festival  
Agency: The Houston Arts Alliance  
Agency Code: 4CAC00  
Agency Type: Private Non-Profit  
Duration: 7/1/2007 to 6/30/2008  
Award Amount: \$5,800.00  
Type of Support: Grant for Public Service  
CFDA:  
CB Designation: Non 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 January, 2008**

Investigator: Dr. Ricardo Azevedo, 100.00%  
Cost Center: G095417 / 5013 / H0104 / B0001  
Title: Evolutionary Causes and Consequences of Robustness in Developmental Systems  
Agency: National Science Foundation  
Agency Code: NSF000  
Agency Type: Federal  
Duration: 1/1/2008 to 12/31/2010  
Award Amount: \$395,943.00  
Type of Support: Grant for Research  
CFDA: 47.074 - Biological Sciences  
CB Designation: Restricted Research

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Investigator: Dr. Arnold Eskin, 95.00%  
Cost Center: G089533 / 5013 / H0104 / B0001  
Title: Long-Term Regulation of Glutamate Uptake in Aplysia  
Agency: National Institute of Neurological Disorders and Stroke  
Agency Code: HEW411  
Agency Type: Federal  
Duration: 12/5/2004 to 11/30/2008  
Award Amount: \$222,718.00  
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 Rea, 100.00%  
Cost Center: G096463 / 5015 / H0104 / B0001  
Title: Backpropagating Action Potential Measurements  
Agency: University of Texas Health Science Center at Houston  
Agency Code: 1UTX11  
Agency Type: State  
Duration: 7/1/2007 to 6/30/2008  
Award Amount: \$43,487.00  
Type of Support: Grant for Research  
CFDA: 93.853 - Clinical Research Related to Neurological Disorders  
CB Designation: Restricted Research

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**Chemistry**

Investigator: Dr. Shiv Halasyamani, 60.00%  
Cost Center: G094930 / 5021 / H0107 / B0001  
Title: Energy Conversion and Power Generation in New Non-Pb Based Piezoelectric Oxide Materials: Synthesis,  
Agency: Petroleum Research Fund  
Agency Code: 4PRF00  
Agency Type: Private Non-Profit  
Duration: 1/1/2008 to 8/31/2010  
Award Amount: \$60,000.00  
Type of Support: Grant 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 January, 2008**

Investigator: Dr. Allan J. Jacobson, 40.00%  
Cost Center: G094811 / 5013 / H0452 / B0001  
Title: Development and In-Grid Demonstration of a Transmission Voltage SuperLimiter™ Fault Current Limiter  
Agency: American Superconductor Corporation  
Agency Code: 3ASC00  
Agency Type: Private Profit  
Duration: 10/1/2007 to 3/31/2008  
Award Amount: \$20,000.00  
Type of Support: Co-Op Agreement for Research  
CFDA: 81.122 - Electricity Delivery and Energy Reliability, Research, Devel  
CB Designation: Restricted Research

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Investigator: Dr. Allan J. Jacobson, 60.00%  
Cost Center: G094293 / 5013 / H0107 / B0001  
Title: Metal-Oxide Organic Frameworks: Multifunctional Materials  
Agency: National Science Foundation  
Agency Code: NSF000  
Agency Type: Federal  
Duration: 1/1/2008 to 12/31/2008  
Award Amount: \$84,678.00  
Type of Support: Grant for Research  
CFDA: 47.049 - Mathematical and Physical Sciences  
CB Designation: Restricted Research

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Investigator: Dr. Allan J. Jacobson, 30.00%  
Cost Center: G095318 / 5013 / H0452 / B0001  
Title: CONTACT: Nanoenergetic Gas-Generator  
Agency: Rice University  
Agency Code: 7RIC00  
Agency Type: University  
Duration: 8/1/2007 to 7/31/2008  
Award Amount: \$43,500.00  
Type of Support: Co-Op Agreement for Research  
CFDA: 12.800 - Air Force Defense Research Sciences Program  
CB Designation: Restricted Research

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Investigator: Dr. B. Montgomery Pettitt, 50.00%  
Cost Center: G093014 / 5013 / H0103 / B0001  
Title: Protein Interfaces in Solution  
Agency: National Institute of General Medical Sciences  
Agency Code: HEW410  
Agency Type: Federal  
Duration: 1/1/2007 to 12/31/2008  
Award Amount: \$89,400.00  
Type of Support: Grant for Research  
CFDA: 93.859 - Pharmacology, Physiology, and Biological Chemistry  
CB Designation: Restricted Research

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**Computer Science**

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

**Received During January, 2008**

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Investigator:	Dr. Yuriy Fofanov, 25.00%
Cost Center:	G092508 / 5013 / H0246 / B0001
Title:	Population-Scale HLA Typing
Agency:	Genomics USA, Inc.
Agency Code:	3GUI00
Agency Type:	Private Profit
Duration:	9/1/2006 to 8/31/2009
Award Amount:	\$46,250.00
Type of Support:	Grant for Research
CFDA:	93.061 - Innovations in Applied Public Health Research
CB Designation:	Restricted Research

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Investigator:	Dr. Shou-Hsuan Huang, 20.00%
Cost Center:	G095767 / 5013 / H0108 / B0001
Title:	REU Site: Research Experience for Undergraduates in Computational Science and Cybersecurity
Agency:	National Science Foundation
Agency Code:	NSF000
Agency Type:	Federal
Duration:	1/1/2008 to 12/31/2010
Award Amount:	\$62,000.20
Type of Support:	Grant for Research
CFDA:	47.070 - Computer and Information Science and Engineering (CISE)
CB Designation:	Restricted Research

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Investigator:	Dr. S. Lennart Johnsson, 10.00%
Cost Center:	G092508 / 5013 / H0246 / B0001
Title:	Population-Scale HLA Typing
Agency:	Genomics USA, Inc.
Agency Code:	3GUI00
Agency Type:	Private Profit
Duration:	9/1/2006 to 8/31/2009
Award Amount:	\$18,500.00
Type of Support:	Grant for Research
CFDA:	93.061 - Innovations in Applied Public Health Research
CB Designation:	Restricted Research

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Investigator:	Dr. Ioannis Kakadiaris, 20.00%
Cost Center:	G095767 / 5013 / H0108 / B0001
Title:	REU Site: Research Experience for Undergraduates in Computational Science and Cybersecurity
Agency:	National Science Foundation
Agency Code:	NSF000
Agency Type:	Federal
Duration:	1/1/2008 to 12/31/2010
Award Amount:	\$62,000.20
Type of Support:	Grant for Research
CFDA:	47.070 - Computer and Information Science and Engineering (CISE)
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 January, 2008**

Investigator: Dr. Ernst L. Leiss, 20.00%  
Cost Center: G095767 / 5013 / H0108 / B0001  
Title: REU Site: Research Experience for Undergraduates in Computational Science and Cybersecurity  
Agency: National Science Foundation  
Agency Code: NSF000  
Agency Type: Federal  
Duration: 1/1/2008 to 12/31/2010  
Award Amount: \$62,000.20  
Type of Support: Grant for Research  
CFDA: 47.070 - Computer and Information Science and Engineering (CISE)  
CB Designation: Restricted Research

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Investigator: Dr. Ioannis Pavlidis, 20.00%  
Cost Center: G095767 / 5013 / H0108 / B0001  
Title: REU Site: Research Experience for Undergraduates in Computational Science and Cybersecurity  
Agency: National Science Foundation  
Agency Code: NSF000  
Agency Type: Federal  
Duration: 1/1/2008 to 12/31/2010  
Award Amount: \$62,000.20  
Type of Support: Grant for Research  
CFDA: 47.070 - Computer and Information Science and Engineering (CISE)  
CB Designation: Restricted Research

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Investigator: Dr. Rakesh M. Verma, 20.00%  
Cost Center: G095767 / 5013 / H0108 / B0001  
Title: REU Site: Research Experience for Undergraduates in Computational Science and Cybersecurity  
Agency: National Science Foundation  
Agency Code: NSF000  
Agency Type: Federal  
Duration: 1/1/2008 to 12/31/2010  
Award Amount: \$62,000.20  
Type of Support: Grant for Research  
CFDA: 47.070 - Computer and Information Science and Engineering (CISE)  
CB Designation: Restricted Research

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**Institute for Molecular Biology**

Investigator: Dr. Arnold Eskin, 5.00%  
Cost Center: G089533 / 5013 / H0104 / B0001  
Title: Long-Term Regulation of Glutamate Uptake in Aplysia  
Agency: National Institute of Neurological Disorders and Stroke  
Agency Code: HEW411  
Agency Type: Federal  
Duration: 12/5/2004 to 11/30/2008  
Award Amount: \$11,722.00  
Type of Support: Grant for Research  
CFDA: 93.853 - Clinical Research Related to Neurological Disorders  
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 January, 2008**

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 8/31/2008  
Award Amount: \$25,000.00  
Type of Support: Contract for Research  
CFDA:  
CB Designation: Restricted Research

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**COLLEGE OF OPTOMETRY**

**Community Optometry**

Investigator: Dr. Jan P. G. Bergmanson, 100.00%  
Cost Center: G096363 / 5022 / H0114 / C0001  
Title: Clinical Evaluation of Silicone Hydrogel (SiHy) Contact Lenses CV-07-80/82  
Agency: Cooper Vision, Inc.  
Agency Code: 3CVI00  
Agency Type: Private Profit  
Duration: 10/31/2007 to 8/31/2009  
Award Amount: \$70,000.00  
Type of Support: Contract for Public Service  
CFDA:  
CB Designation: Non Restricted Research

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Investigator: Dr. Jan P. G. Bergmanson, 100.00%  
Cost Center: G091453 / 5022 / H0114 / C0001  
Title: Bausch & Lomb MaxSight Contact Lens Study #411  
Agency: Bausch and Lomb Company  
Agency Code: 3BLC00  
Agency Type: Private Profit  
Duration: 4/15/2005 to 8/31/2008  
Award Amount: \$3,616.00  
Type of Support: Contract for Public Service  
CFDA:  
CB Designation: Non Restricted Research

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Investigator: Dr. Yuzo M. Chino, 100.00%  
Cost Center: G087686 / 5013 / H0114 / B0001  
Title: Amblyopia  
Agency: National Eye Institute  
Agency Code: HEW402  
Agency Type: Federal  
Duration: 12/1/2003 to 11/30/2008  
Award Amount: \$288,396.00  
Type of Support: Grant for Research  
CFDA: 93.867 - Vision Research  
CB Designation: Restricted Research

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**University of Houston**  
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**Received During January, 2008**

**COLLEGE OF PHARMACY**

**Clinical Sciences and Administration**

Investigator: Dr. Vincent Tam, 100.00%  
Cost Center: G095977 / 5013 / H0118 / B0001  
Title: Development & Experimental Testing of A New Approach to Modeling the Effect of Antimicrobial Agents  
Agency: National Science Foundation  
Agency Code: NSF000  
Agency Type: Federal  
Duration: 1/1/2008 to 12/31/2010  
Award Amount: \$158,690.00  
Type of Support: Grant for Research  
CFDA: 47.041 - Engineering Grants  
CB Designation: Restricted Research

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Investigator: Dr. Rosa Yeh, 50.00%  
Cost Center: G095212 / 5022 / H0118 / B0001  
Title: Retrospective Evaluation of Lopinavir/ritonavir Single Agent Therapy in a Real-Clinic Setting  
Agency: Abbott Laboratories  
Agency Code: 3ABB00  
Agency Type: Private Profit  
Duration: 1/14/2008 to 1/13/2009  
Award Amount: \$33,780.50  
Type of Support: Contract for Research  
CFDA:  
CB Designation: Restricted Research

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**Institute for Community Health**

Investigator: Dr. Rosa Yeh, 50.00%  
Cost Center: G095212 / 5022 / H0118 / B0001  
Title: Retrospective Evaluation of Lopinavir/ritonavir Single Agent Therapy in a Real-Clinic Setting  
Agency: Abbott Laboratories  
Agency Code: 3ABB00  
Agency Type: Private Profit  
Duration: 1/14/2008 to 1/13/2009  
Award Amount: \$33,780.50  
Type of Support: Contract for Research  
CFDA:  
CB Designation: Restricted Research

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**Pharmacological and Pharmaceutical Sciences**

Investigator: Dr. Ming Hu, 100.00%  
Cost Center: G096083 / 5022 / H0117 / B0001  
Title: Characterization of BI207127 Absorption  
Agency: Boehringer Ingelheim Pharmaceuticals, Inc.  
Agency Code: 3BOE00  
Agency Type: Private Profit  
Duration: 12/10/2007 to 12/9/2009  
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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**Received During January, 2008**

**CULLEN COLLEGE OF ENGINEERING**

**Center for Neuro-Engineering and Cognitive Science**

Investigator: Dr. Valery Kalatsky, 30.00%  
Cost Center: G092123 / 5021 / H0070 / B0001  
Title: Spatial and Temporal Dynamics of Plasticity in Adult Visual Cortex: High Resolution Imaging Study  
Agency: Human Frontier Science Program  
Agency Code: 4HFSP0  
Agency Type: Private Non-Profit  
Duration: 10/1/2006 to 9/30/2009  
Award Amount: \$48,000.00  
Type of Support: Grant for Research  
CFDA:  
CB Designation: Restricted Research

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**Chemical Engineering**

Investigator: Dr. Allan J. Jacobson, 30.00%  
Cost Center: G095318 / 5013 / H0452 / B0001  
Title: CONTACT: Nanoenergetic Gas-Generator  
Agency: Rice University  
Agency Code: 7RIC00  
Agency Type: University  
Duration: 8/1/2007 to 7/31/2008  
Award Amount: \$43,500.00  
Type of Support: Co-Op Agreement for Research  
CFDA: 12.800 - Air Force Defense Research Sciences Program  
CB Designation: Restricted Research

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Investigator: Dr. Kishore K. Mohanty, 100.00%  
Cost Center: G095008 / 5022 / H0067 / B0001  
Title: Wettability Alteration During Low Salinity Flood  
Agency: British Petroleum Exploration Inc.  
Agency Code: 3BPE00  
Agency Type: Private Profit  
Duration: 11/1/2007 to 10/31/2009  
Award Amount: \$115,984.00  
Type of Support: Contract for Research  
CFDA:  
CB Designation: Restricted Research

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Investigator: Dr. Peter Strasser, 100.00%  
Cost Center: G091636 / 5021 / H0067 / B0001  
Title: Synthesis and Kinetic In Situ Structural Investigation of Pt Alloy Nanoparticle Catalysts  
Agency: Petroleum Research Fund  
Agency Code: 4PRF00  
Agency Type: Private Non-Profit  
Duration: 9/1/2006 to 8/31/2008  
Award Amount: \$15,000.00  
Type of Support: Grant for Research  
CFDA:  
CB Designation: Restricted Research

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**University of Houston**  
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**Received During January, 2008**

Investigator: Dr. Peter Strasser, 100.00%  
Cost Center: G095571 / 5022 / H0067 / B0001  
Title: Preparation and Testing of New Cathode Fuel Cell Electrocatalysts in PEMFC Membrane Electrode  
Agency: General Motors Corporation  
Agency Code: 3GMC00  
Agency Type: Private Profit  
Duration: 9/11/2007 to 9/10/2008  
Award Amount: \$238,747.00  
Type of Support: Contract for Research  
CFDA:  
CB Designation: Restricted Research

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**Civil Engineering**

Investigator: Dr. Shankar Chellam, 100.00%  
Cost Center: G095395 / 5018 / H0068 / B0001  
Title: Metals Analysis for Tracking Particulate Matter from Mobile Sources and Petroleum Refining in Houston  
Agency: Lamar University/Texas Air Research Center  
Agency Code: 1LAM30  
Agency Type: State  
Duration: 9/1/2007 to 8/31/2008  
Award Amount: \$43,000.00  
Type of Support: Contract for Research  
CFDA:  
CB Designation: Restricted Research

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Investigator: Dr. Hanadi Rifai, 100.00%  
Cost Center: G095542 / 5021 / H0068 / B0001  
Title: Watersheds for the Future: Houston 2035  
Agency: Rice University  
Agency Code: 7RIC00  
Agency Type: University  
Duration: 11/1/2007 to 10/31/2008  
Award Amount: \$100,000.00  
Type of Support: Grant for Research  
CFDA:  
CB Designation: Restricted Research

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Investigator: Dr. Cumaraswamy Vipulanandan, 100.00%  
Cost Center: G004941 / 5013 / H0069 / B0001  
Title: Verification of Coating and Grouts  
Agency: NSF International  
Agency Code: 3NSI00  
Agency Type: Private Profit  
Duration: 3/6/2000 to 12/31/2008  
Award Amount: \$40,000.00  
Type of Support: Contract for Research  
CFDA:  
CB Designation: Restricted Research

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**Dean, Engineering**

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

**Received During January, 2008**

Investigator: Dr. Julie Martin Trenor, 100.00%  
Cost Center: G092918 / 5021 / H0066 / B0001  
Title: Developing Programmatic and Pedagogical Support Mechanisms for Diverse Women in Engineering at an Ur  
Agency: Engineering Information Foundation  
Agency Code: 6EIF00  
Agency Type: Foundation  
Duration: 9/1/2006 to 8/31/2007  
Award Amount: \$180.56  
Type of Support: Grant for Research  
CFDA:  
CB Designation: Restricted Research

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**Electrical Engineering**

Investigator: Dr. Frank Claydon, 40.00%  
Cost Center: G087987 / 5013 / H0070 / B0001  
Title: STEP - AHEAD: Access to Higher Education through Academic Retention and Development at UH  
Agency: National Science Foundation  
Agency Code: NSF000  
Agency Type: Federal  
Duration: 12/1/2003 to 11/30/2008  
Award Amount: \$131,285.20  
Type of Support: Grant for Research  
CFDA: 47.076 - Education and Human Resources  
CB Designation: Restricted Research

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Investigator: Dr. Valery Kalatsky, 70.00%  
Cost Center: G092123 / 5021 / H0070 / B0001  
Title: Spatial and Temporal Dynamics of Plasticity in Adult Visual Cortex: High Resolution Imaging Study  
Agency: Human Frontier Science Program  
Agency Code: 4HFSP0  
Agency Type: Private Non-Profit  
Duration: 10/1/2006 to 9/30/2009  
Award Amount: \$112,000.00  
Type of Support: Grant for Research  
CFDA:  
CB Designation: Restricted Research

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Investigator: Dr. Stuart A. Long, 50.00%  
Cost Center: G087987 / 5013 / H0070 / B0001  
Title: STEP - AHEAD: Access to Higher Education through Academic Retention and Development at UH  
Agency: National Science Foundation  
Agency Code: NSF000  
Agency Type: Federal  
Duration: 12/1/2003 to 11/30/2008  
Award Amount: \$164,106.50  
Type of Support: Grant for Research  
CFDA: 47.076 - Education and Human Resources  
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 January, 2008**

Investigator: Dr. Leonard P. Trombetta, 100.00%  
Cost Center: G094812 / 5013 / H0070 / B0001  
Title: Reduction in Susceptibility of MOS Devices to Radiation-and Electrically-Induced Defects  
Agency: U.S. Air Force Research Laboratory  
Agency Code: DOD109  
Agency Type: Federal  
Duration: 9/26/2007 to 12/25/2009  
Award Amount: \$34,993.00  
Type of Support: Co-Op Agreement for Research  
CFDA: 12.910 - Research and Technology Development  
CB Designation: Restricted Research

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Investigator: Dr. Consuelo Waight, 10.00%  
Cost Center: G087987 / 5013 / H0070 / B0001  
Title: STEP - AHEAD: Access to Higher Education through Academic Retention and Development at UH  
Agency: National Science Foundation  
Agency Code: NSF000  
Agency Type: Federal  
Duration: 12/1/2003 to 11/30/2008  
Award Amount: \$32,821.30  
Type of Support: Grant for Research  
CFDA: 47.076 - Education and Human Resources  
CB Designation: Restricted Research

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**Mechanical Engineering**

Investigator: Dr. Yi-Chao Chen, 100.00%  
Cost Center: G094775 / 5013 / H0073 / B0001  
Title: Conference on the Interface Between Atomistic and Continuum Theories  
Agency: National Science Foundation  
Agency Code: NSF000  
Agency Type: Federal  
Duration: 9/1/2007 to 8/31/2008  
Award Amount: \$9,900.00  
Type of Support: Grant for Research  
CFDA: 47.041 - Engineering Grants  
CB Designation: Restricted Research

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Investigator: Dr. Charles Dalton, 20.00%  
Cost Center: G095846 / 5022 / H0073 / B0001  
Title: Advanced Measurement of OptiSolar Panel in Wind Tunnel Testing  
Agency: OptiSolar, Inc.  
Agency Code: 3OPS00  
Agency Type: Private Profit  
Duration: 12/11/2007 to 10/10/2008  
Award Amount: \$4,000.00  
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 January, 2008**

Investigator: Dr. Matthew Franchek, 15.00%  
Cost Center: G095846 / 5022 / H0073 / B0001  
Title: Advanced Measurement of OptiSolar Panel in Wind Tunnel Testing  
Agency: OptiSolar, Inc.  
Agency Code: 3OPS00  
Agency Type: Private Profit  
Duration: 12/11/2007 to 10/10/2008  
Award Amount: \$3,000.00  
Type of Support: Contract for Research  
CFDA:  
CB Designation: Restricted Research

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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 8/31/2008  
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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Investigator: Dr. Dong Liu, 100.00%  
Cost Center: G096126 / 5021 / H0073 / B0001  
Title: Electromechanical Transport of Nanofluids: Microfluidic Pumping and Heat Transfer Enhancement  
Agency: Purdue University  
Agency Code: 7PUR00  
Agency Type: University  
Duration: 1/1/2008 to 12/1/2009  
Award Amount: \$35,191.00  
Type of Support: Contract for Research  
CFDA:  
CB Designation: Restricted Research

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Investigator: Dr. Phil Putman, 60.00%  
Cost Center: G092972 / 5022 / H0073 / B0001  
Title: Sierra Lobo HTS Motor  
Agency: Sierra Lobo, Inc.  
Agency Code: 3SLI00  
Agency Type: Private Profit  
Duration: 4/3/2006 to 10/3/2008  
Award Amount: \$22,984.80  
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 January, 2008**

Investigator: Dr. Gangbing Song, 35.00%  
Cost Center: G095846 / 5022 / H0073 / B0001  
Title: Advanced Measurement of OptiSolar Panel in Wind Tunnel Testing  
Agency: OptiSolar, Inc.  
Agency Code: 3OPS00  
Agency Type: Private Profit  
Duration: 12/11/2007 to 10/10/2008  
Award Amount: \$7,000.00  
Type of Support: Contract for Research  
CFDA:  
CB Designation: Restricted Research

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Investigator: Dr. Gangbing Song, 40.00%  
Cost Center: G096063 / 5022 / H0073 / B0001  
Title: Photovoltaic Glass Fracture Under Glass Fracture  
Agency: OptiSolar, Inc.  
Agency Code: 3OPS00  
Agency Type: Private Profit  
Duration: 12/13/2007 to 4/16/2008  
Award Amount: \$34,884.40  
Type of Support: Contract for Research  
CFDA:  
CB Designation: Restricted Research

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Investigator: Dr. Li Sun, 40.00%  
Cost Center: G096063 / 5022 / H0073 / B0001  
Title: Photovoltaic Glass Fracture Under Glass Fracture  
Agency: OptiSolar, Inc.  
Agency Code: 3OPS00  
Agency Type: Private Profit  
Duration: 12/13/2007 to 4/16/2008  
Award Amount: \$34,884.40  
Type of Support: Contract for Research  
CFDA:  
CB Designation: Restricted Research

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Investigator: Dr. David C. Zimmerman, 30.00%  
Cost Center: G095846 / 5022 / H0073 / B0001  
Title: Advanced Measurement of OptiSolar Panel in Wind Tunnel Testing  
Agency: OptiSolar, Inc.  
Agency Code: 3OPS00  
Agency Type: Private Profit  
Duration: 12/11/2007 to 10/10/2008  
Award Amount: \$6,000.00  
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 January, 2008**

Investigator: Dr. David C. Zimmerman, 20.00%  
Cost Center: G096063 / 5022 / H0073 / B0001  
Title: Photovoltaic Glass Fracture Under Glass Fracture  
Agency: OptiSolar, Inc.  
Agency Code: 3OPS00  
Agency Type: Private Profit  
Duration: 12/13/2007 to 4/16/2008  
Award Amount: \$17,442.20  
Type of Support: Contract for Research  
CFDA:  
CB Designation: Restricted Research

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**DIVISION OF RESEARCH**

**Center for Advanced Materials**

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 8/31/2008  
Award Amount: \$75,000.00  
Type of Support: Contract for Research  
CFDA:  
CB Designation: Restricted Research

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**Center for Materials Chemistry**

Investigator: Dr. Shiv Halasyamani, 40.00%  
Cost Center: G094930 / 5021 / H0107 / B0001  
Title: Energy Conversion and Power Generation in New Non-Pb Based Piezoelectric Oxide Materials: Synthesis,  
Agency: Petroleum Research Fund  
Agency Code: 4PRF00  
Agency Type: Private Non-Profit  
Duration: 1/1/2008 to 8/31/2010  
Award Amount: \$40,000.00  
Type of Support: Grant for Research  
CFDA:  
CB Designation: Restricted Research

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**Institute for Molecular Design**

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

**Received During January, 2008**

Investigator: Dr. B. Montgomery Pettitt, 40.00%  
Cost Center: G093014 / 5013 / H0103 / B0001  
Title: Protein Interfaces in Solution  
Agency: National Institute of General Medical Sciences  
Agency Code: HEW410  
Agency Type: Federal  
Duration: 1/1/2007 to 12/31/2008  
Award Amount: \$71,520.00  
Type of Support: Grant for Research  
CFDA: 93.859 - Pharmacology, Physiology, and Biological Chemistry  
CB Designation: Restricted Research

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**Office of Contracts and Grants**

**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 8/31/2008  
Award Amount: \$0.00  
Type of Support: Contract for Research  
CFDA:  
CB Designation: Restricted Research

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**TcSUH**

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 8/31/2008  
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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Investigator: Dr. Allan J. Jacobson, 60.00%  
Cost Center: G094811 / 5013 / H0452 / B0001  
Title: Development and In-Grid Demonstration of a Transmission Voltage SuperLimiter™ Fault Current Limiter  
Agency: American Superconductor Corporation  
Agency Code: 3ASC00  
Agency Type: Private Profit  
Duration: 10/1/2007 to 3/31/2008  
Award Amount: \$30,000.00  
Type of Support: Co-Op Agreement for Research  
CFDA: 81.122 - Electricity Delivery and Energy Reliability, Research, Devel  
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 January, 2008**

Investigator: Dr. Allan J. Jacobson, 40.00%  
Cost Center: G094293 / 5013 / H0107 / B0001  
Title: Metal-Oxide Organic Frameworks: Multifunctional Materials  
Agency: National Science Foundation  
Agency Code: NSF000  
Agency Type: Federal  
Duration: 1/1/2008 to 12/31/2008  
Award Amount: \$56,452.00  
Type of Support: Grant for Research  
CFDA: 47.049 - Mathematical and Physical Sciences  
CB Designation: Restricted Research

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Investigator: Dr. Allan J. Jacobson, 40.00%  
Cost Center: G095318 / 5013 / H0452 / B0001  
Title: CONTACT: Nanoenergetic Gas-Generator  
Agency: Rice University  
Agency Code: 7RIC00  
Agency Type: University  
Duration: 8/1/2007 to 7/31/2008  
Award Amount: \$58,000.00  
Type of Support: Co-Op Agreement for Research  
CFDA: 12.800 - Air Force Defense Research Sciences Program  
CB Designation: Restricted Research

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Investigator: Dr. Phil Putman, 40.00%  
Cost Center: G092972 / 5022 / H0073 / B0001  
Title: Sierra Lobo HTS Motor  
Agency: Sierra Lobo, Inc.  
Agency Code: 3SLI00  
Agency Type: Private Profit  
Duration: 4/3/2006 to 10/3/2008  
Award Amount: \$15,323.20  
Type of Support: Grant for Research  
CFDA:  
CB Designation: Restricted Research

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**Texas Learning/Computation Center**

Investigator: Dr. Yuriy Fofanov, 25.00%  
Cost Center: G092508 / 5013 / H0246 / B0001  
Title: Population-Scale HLA Typing  
Agency: Genomics USA, Inc.  
Agency Code: 3GUI00  
Agency Type: Private Profit  
Duration: 9/1/2006 to 8/31/2009  
Award Amount: \$46,250.00  
Type of Support: Grant for Research  
CFDA: 93.061 - Innovations in Applied Public Health Research  
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 January, 2008**

Investigator: Dr. David Francis, 5.00%  
Cost Center: G092583 / 5013 / H0125 / B0001  
Title: Texas Center for Learning Disabilities - Master  
Agency: National Institute of Child Health and Human Development  
Agency Code: HEW407  
Agency Type: Federal  
Duration: 6/1/2006 to 11/30/2008  
Award Amount: \$65,555.35  
Type of Support: Grant for Research  
CFDA: 93.865 - Center for Research for Mothers and Children  
CB Designation: Restricted Research

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Investigator: Dr. David Francis, 10.00%  
Cost Center: G087878 / 5013 / H0288 / B0001  
Title: NCEE-English Language Acquisition Evaluation Research Program  
Agency: U.S. Department of Education  
Agency Code: HEW100  
Agency Type: Federal  
Duration: 10/1/2003 to 9/30/2007  
Award Amount: \$104,152.66  
Type of Support: Co-Op Agreement for Research  
CFDA: 84.305 - National Institute on Student Achievement, Curriculum and  
CB Designation: Restricted Research

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Investigator: Dr. S. Lennart Johnsson, 40.00%  
Cost Center: G092508 / 5013 / H0246 / B0001  
Title: Population-Scale HLA Typing  
Agency: Genomics USA, Inc.  
Agency Code: 3GUI00  
Agency Type: Private Profit  
Duration: 9/1/2006 to 8/31/2009  
Award Amount: \$74,000.00  
Type of Support: Grant for Research  
CFDA: 93.061 - Innovations in Applied Public Health Research  
CB Designation: Restricted Research

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Investigator: Dr. B. Montgomery Pettitt, 10.00%  
Cost Center: G093014 / 5013 / H0103 / B0001  
Title: Protein Interfaces in Solution  
Agency: National Institute of General Medical Sciences  
Agency Code: HEW410  
Agency Type: Federal  
Duration: 1/1/2007 to 12/31/2008  
Award Amount: \$17,880.00  
Type of Support: Grant for Research  
CFDA: 93.859 - Pharmacology, Physiology, and Biological Chemistry  
CB Designation: Restricted Research

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**TIMES**

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

**Received During January, 2008**

Investigator: Dr. David Francis, 32.00%  
Cost Center: G092583 / 5013 / H0125 / B0001  
Title: Texas Center for Learning Disabilities - Master  
Agency: National Institute of Child Health and Human Development  
Agency Code: HEW407  
Agency Type: Federal  
Duration: 6/1/2006 to 11/30/2008  
Award Amount: \$419,554.24  
Type of Support: Grant for Research  
CFDA: 93.865 - Center for Research for Mothers and Children  
CB Designation: Restricted Research

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Investigator: Dr. David Francis, 70.00%  
Cost Center: G087878 / 5013 / H0288 / B0001  
Title: NCEE-English Language Acquisition Evaluation Research Program  
Agency: U.S. Department of Education  
Agency Code: HEW100  
Agency Type: Federal  
Duration: 10/1/2003 to 9/30/2007  
Award Amount: \$729,068.59  
Type of Support: Co-Op Agreement for Research  
CFDA: 84.305 - National Institute on Student Achievement, Curriculum and  
CB Designation: Restricted Research

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**GRADUATE COLLEGE OF SOCIAL WORK**

**Community Projects - Social Work**

Investigator: Dr. Ira Colby, 100.00%  
Cost Center: G095731 / 5016 / H0130 / C0001  
Title: Protective Services Training Institute - Core  
Agency: University of Texas at Austin  
Agency Code: 1UTX00  
Agency Type: State  
Duration: 9/1/2007 to 8/31/2008  
Award Amount: \$830,237.89  
Type of Support: Contract for Public Service  
CFDA:  
CB Designation: Non Research

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<b>Total Federal</b>	<b>\$4,433,139.56</b>
<b>Total State</b>	<b>\$974,652.89</b>
<b>Total Local</b>	<b>\$0.00</b>
<b>Total Other</b>	<b>\$2,423,836.26</b>
<b>TOTAL THIS MONTH</b>	<b>\$7,831,628.71</b>