

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

Received During November, 2005

COLLEGE OF EDUCATION

Consistency Mgmt and Coop Disc

Investigator: Dr. H. Jerome Freiberg, 100.00%
Cost Center: G092280 / 5021 / H0063 / C0001
Title: Miles Jones Elementary (2005-2006)
Agency: Miles Jones Elementary School
Agency Code: 4MJE00
Revenue Source Code: 800
Duration: 9/1/2005 to 8/31/2006
Award Amount: \$4,600.00
Type of Support: Contract for Public Service
CFDA:
CB Designation: Non Research

COLLEGE OF LIBERAL ARTS AND SOCIAL SCIENCES

Communication Disorders

Investigator: Dr. Lynn S. Bliss, 100.00%
Cost Center: G092292 / 5019 / H0087 / C0001
Title: Mental Health Mental Retardation Association
Agency: Mental Health Mental Retardation Authority
Agency Code: 2HCMH0
Revenue Source Code: 700
Duration: 9/1/2005 to 8/31/2006
Award Amount: \$3,400.00
Type of Support: Grant for Public Service
CFDA:
CB Designation: Non Research

Psychology

Investigator: Dr. David J. 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
Revenue Source Code: 500
Duration: 10/1/2003 to 9/30/2006
Award Amount: \$360,068.00
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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Received During November, 2005

Investigator: Dr. H. Julia Hannay, 100.00%
Cost Center: G091917 / 5021 / H0125 / B0001
Title: Graduate Student Placement in the Field of Neuropsychology - Russell Jenkins
Agency: The Institute for Rehabilitation and Research
Agency Code: 4TIRR0
Revenue Source Code: 800
Duration: 9/1/2005 to 8/31/2006
Award Amount: \$18,072.60
Type of Support: Contract for Research
CFDA:
CB Designation: Restricted Research

Investigator: Dr. H. Julia Hannay, 100.00%
Cost Center: G091904 / 5021 / H0125 / B0001
Title: Graduate Student Placement in the Field of Neuropsychology - Laura Ritter & Kelly King
Agency: Texas Children's Hospital
Agency Code: 4TCX00
Revenue Source Code: 800
Duration: 9/1/2005 to 8/31/2006
Award Amount: \$34,426.35
Type of Support: Contract for Research
CFDA:
CB Designation: Restricted Research

Investigator: Dr. Christiane Spitzmueller, 100.00%
Cost Center: G090981 / 5021 / H0125 / B0001
Title: ExxonMobil Test Validation Project
Agency: ExxonMobil Upstream Research Co.
Agency Code: 3EXX09
Revenue Source Code: 800
Duration: 12/13/2004 to 12/31/2005
Award Amount: \$27,500.00
Type of Support: Special Research Agreement for Research
CFDA:
CB Designation: Restricted Research

COLLEGE OF NATURAL SCIENCES AND MATHEMATICS

Biology/Biochemistry

Investigator: Dr. Dan E. Wells, 100.00%
Cost Center: G091492 / 5013 / H0104 / B0100
Title: Hereditary Multiple Exostoses: Insights Into Pathogenesis
Agency: National Institute of Arthritis and Musculoskeletal and Skin Diseases
Agency Code: HEW413
Revenue Source Code: 500
Duration: 9/30/2005 to 1/31/2006
Award Amount: \$20,000.00
Type of Support: Grant for Public Service
CFDA: 93.846 - Arthritis, Musculoskeletal and Skin Diseases Research
CB Designation: Non Restricted Research

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Investigator: Dr. William R. Widger, 100.00%
Cost Center: G092285 / 5014 / H0104 / B0001
Title: Effects of Aging on P38 Signaling Pathway in Mouse Liver
Agency: University of Texas Medical Branch at Galveston
Agency Code: 1UTX50
Revenue Source Code: 600
Duration: 8/1/2005 to 7/31/2006
Award Amount: \$87,783.00
Type of Support: Contract for Research
CFDA: 93.866 - Aging Research
CB Designation: Restricted Research

Chemistry

Investigator: Dr. B. Montgomery Pettitt, 50.00%
Cost Center: G005257 / 5022 / H0107 / B0001
Title: The Institute for Molecular Design
Agency: University of Houston Foundation
Agency Code: 6HOU12
Revenue Source Code: 800
Duration: 6/30/2000 to 11/30/2005
Award Amount: \$260.54
Type of Support: Grant for Research
CFDA:
CB Designation: Restricted Research

Computer Science

Investigator: Dr. Ioannis Pavlidis, 50.00%
Cost Center: G092139 / 5013 / H0246 / B0001
Title: Experimental Thermal Imaging Systems
Agency: ITT Industries
Agency Code: 3ITT00
Revenue Source Code: 800
Duration: 11/15/2005 to 5/15/2006
Award Amount: \$293,341.50
Type of Support: Contract for Research
CFDA: 97.077 - Homeland Security Testing, Evaluation, and Demonstration
CB Designation: Restricted Research

Investigator: Dr. Ricardo Vilalta, 50.00%
Cost Center: G090114 / 5013 / H0246 / B0001
Title: Career: Advancing the Theory and Practice of Meta-Learning with Applications in Physics
Agency: National Science Foundation
Agency Code: NSF000
Revenue Source Code: 500
Duration: 1/15/2005 to 12/31/2006
Award Amount: \$50,464.00
Type of Support: Grant for Research
CFDA: 47.070 - Computer and Information Science and Engineering (CISE)
CB Designation: Restricted Research

Geosciences

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Received During November, 2005

Investigator: Dr. Aibing Li, 100.00%
Cost Center: G090836 / 5013 / H0109 / B0001
Title: Modeling Body and Surface Wave Anisotropy in 3-D Media With a Case Study in Iceland
Agency: National Science Foundation
Agency Code: NSF000
Revenue Source Code: 500
Duration: 8/15/2005 to 7/31/2007
Award Amount: \$30,000.00
Type of Support: Grant for Research
CFDA: 47.050 - Geosciences
CB Designation: Restricted Research

Investigator: Dr. Shiyuan Sharon Zhong, 50.00%
Cost Center: G090074 / 5013 / H0429 / B0001
Title: Collaborative Research: Structure and Evolution of Diurnal Cold-Air Pools and Seiches in Small, Cold
Agency: National Science Foundation
Agency Code: NSF000
Revenue Source Code: 500
Duration: 12/1/2005 to 11/30/2006
Award Amount: \$49,525.50
Type of Support: Grant for Research
CFDA: 47.050 - Geosciences
CB Designation: Restricted Research

Institute for Molecular Design

Investigator: Dr. B. Montgomery Pettitt, 50.00%
Cost Center: G005257 / 5022 / H0107 / B0001
Title: The Institute for Molecular Design
Agency: University of Houston Foundation
Agency Code: 6HOU12
Revenue Source Code: 800
Duration: 6/30/2000 to 11/30/2005
Award Amount: \$260.54
Type of Support: Grant for Research
CFDA:
CB Designation: Restricted Research

Institute for Multidimensional Air Quality Studies

Investigator: Dr. Shiyuan Sharon Zhong, 50.00%
Cost Center: G090074 / 5013 / H0429 / B0001
Title: Collaborative Research: Structure and Evolution of Diurnal Cold-Air Pools and Seiches in Small, Cold
Agency: National Science Foundation
Agency Code: NSF000
Revenue Source Code: 500
Duration: 12/1/2005 to 11/30/2006
Award Amount: \$49,525.50
Type of Support: Grant for Research
CFDA: 47.050 - Geosciences
CB Designation: Restricted Research

Mathematics

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Received During November, 2005

Investigator: Dr. Yuriy Kuznetsov, 100.00%
Cost Center: G005145 / 5022 / H0110 / B0001
Title: Advanced Numerical Algorithms for Mathematical Problems of Basin Modeling
Agency: ExxonMobil Upstream Research Co.
Agency Code: 3EXX09
Revenue Source Code: 800
Duration: 9/1/2000 to 8/31/2006
Award Amount: \$53,884.00
Type of Support: Grant for Research
CFDA:
CB Designation: Restricted Research

Physics

Investigator: Dr. Alexandre Freundlich, 25.00%
Cost Center: G091910 / 5013 / H0453 / B0001
Title: Nanomaterials and Nanostructures for Space Photovoltaics
Agency: National Aeronautics and Space Administration - Glenn Research Center
Agency Code: NAS101
Revenue Source Code: 500
Duration: 8/31/2005 to 8/30/2009
Award Amount: \$12,500.00
Type of Support: Grant for Research
CFDA: 43.002 - Technology Transfer
CB Designation: Restricted Research

Investigator: Dr. Bill W. Mayes, 25.00%
Cost Center: G088531 / 5013 / H0247 / B0001
Title: Improved Pinning Morphology in HTS, with Order-of-Magnitude Increase in J_c and Pinned Field
Agency: U.S. Army Robert Morris Acquisition Center
Agency Code: DOD216
Revenue Source Code: 500
Duration: 6/1/2004 to 10/31/2006
Award Amount: \$6,562.50
Type of Support: Grant for Research
CFDA: 12.431 - Basic Scientific Research
CB Designation: Restricted Research

COLLEGE OF OPTOMETRY

Community Optometry

Investigator: Dr. Earl L. Smith III, 100.00%
Cost Center: G090297 / 5021 / H0114 / B0001
Title: Optical Intervention
Agency: Vision Cooperative Research Centre
Agency Code: 7VCR00
Revenue Source Code: 800
Duration: 6/1/2004 to 5/31/2010
Award Amount: \$71,060.63
Type of Support: Special Research Agreement for Research
CFDA:
CB Designation: Restricted Research

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CULLEN COLLEGE OF ENGINEERING

Chemical Engineering

Investigator: Dr. Kishore K. Mohanty, 100.00%
Cost Center: G089479 / 5013 / H0067 / B0001
Title: Improvement of Sweep Efficiency in GasFlooding
Agency: U. S. Department of Energy - National Energy Technology Laboratory
Agency Code: DOE101
Revenue Source Code: 500
Duration: 10/1/2004 to 9/30/2007
Award Amount: \$86,399.00
Type of Support: Co-Op Agreement for Research
CFDA: 81.089 - Fossil Energy Research and Development
CB Designation: Restricted Research

Civil Engineering

Investigator: Dr. Shankar Chellam, 50.00%
Cost Center: G091660 / 5013 / H0068 / B0001
Title: Electrocoagulation Pretreatment for Microfiltration
Agency: U.S. Department of the Interior - Bureau of Reclamation
Agency Code: INT002
Revenue Source Code: 500
Duration: 9/27/2005 to 10/31/2006
Award Amount: \$49,940.50
Type of Support: Co-Op Agreement for Research
CFDA: 15.506 - Water Desalination Research and Development Program
CB Designation: Restricted Research

Investigator: Dr. Theodore G. Cleveland, 100.00%
Cost Center: G092294 / 5016 / H0068 / B0001
Title: Implementation of Storm Event Statistical Data for Project Planning Purposes
Agency: Texas Department of Transportation
Agency Code: 1DOT00
Revenue Source Code: 600
Duration: 9/1/2005 to 8/31/2006
Award Amount: \$2,000.00
Type of Support: Contract for Research
CFDA:
CB Designation: Restricted Research

Investigator: Dr. Dennis A. Clifford, 50.00%
Cost Center: G091660 / 5013 / H0068 / B0001
Title: Electrocoagulation Pretreatment for Microfiltration
Agency: U.S. Department of the Interior - Bureau of Reclamation
Agency Code: INT002
Revenue Source Code: 500
Duration: 9/27/2005 to 10/31/2006
Award Amount: \$49,940.50
Type of Support: Co-Op Agreement for Research
CFDA: 15.506 - Water Desalination Research and Development Program
CB Designation: Restricted Research

University of Houston
Division of Research
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Received During November, 2005

Investigator: Dr. Hanadi Rifai, 100.00%
Cost Center: G092287 / 5014 / H0068 / B0001
Title: Total Maximum Daily Load for Indicator Bacteria in Buffalo and Whiteoak Bayous - Work Order #1
Agency: Texas Commission on Environmental Quality
Agency Code: 1TNC00
Revenue Source Code: 600
Duration: 9/28/2005 to 8/31/2006
Award Amount: \$100,000.00
Type of Support: Contract for Research
CFDA: 66.419 - Water Pollution Control - State and Interstate Program Suppo
CB Designation: Restricted Research

Investigator: Dr. Hanadi Rifai, 100.00%
Cost Center: G092288 / 5014 / H0068 / B0001
Title: TMDL for Dioxin in the Houston Ship Channel System-Phase III - WO #02
Agency: Texas Commission on Environmental Quality
Agency Code: 1TNC00
Revenue Source Code: 600
Duration: 9/28/2005 to 8/31/2006
Award Amount: \$150,000.00
Type of Support: Contract for Research
CFDA: 66.419 - Water Pollution Control - State and Interstate Program Suppo
CB Designation: Restricted Research

Investigator: Dr. Hanadi Rifai, 100.00%
Cost Center: G092289 / 5014 / H0068 / B0001
Title: TMDL for Fecal Pathogens in the Clear Creek Watershed - WO #03
Agency: Texas Commission on Environmental Quality
Agency Code: 1TNC00
Revenue Source Code: 600
Duration: 9/28/2005 to 8/31/2006
Award Amount: \$50,000.00
Type of Support: Contract for Research
CFDA: 66.419 - Water Pollution Control - State and Interstate Program Suppo
CB Designation: Restricted Research

Investigator: Dr. Hanadi Rifai, 100.00%
Cost Center: G092290 / 5014 / H0068 / B0001
Title: TMDL for Indicator Bacteria in the Houston Metropolitan Area - WO #04
Agency: Texas Commission on Environmental Quality
Agency Code: 1TNC00
Revenue Source Code: 600
Duration: 9/28/2005 to 8/31/2006
Award Amount: \$85,000.00
Type of Support: Contract for Research
CFDA: 66.419 - Water Pollution Control - State and Interstate Program Suppo
CB Designation: Restricted Research

Electrical Engineering

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Received During November, 2005

Investigator: Dr. Ben H. Jansen, 100.00%
Cost Center: G091635 / 5015 / H0070 / B0001
Title: Magnetic Resonance of Spinal Cord Injury - Jaivijay Ramu
Agency: University of Texas Health Science Center at Houston
Agency Code: 1UTX11
Revenue Source Code: 600
Duration: 4/1/2005 to 3/31/2006
Award Amount: \$884.00
Type of Support: Grant for Research
CFDA: 93.853 - Clinical Research Related to Neurological Disorders
CB Designation: Restricted Research

DIVISION OF RESEARCH

Center for Advanced Materials

Investigator: Dr. Alexandre Freundlich, 75.00%
Cost Center: G091910 / 5013 / H0453 / B0001
Title: Nanomaterials and Nanostructures for Space Photovoltaics
Agency: National Aeronautics and Space Administration - Glenn Research Center
Agency Code: NAS101
Revenue Source Code: 500
Duration: 8/31/2005 to 8/30/2009
Award Amount: \$37,500.00
Type of Support: Grant for Research
CFDA: 43.002 - Technology Transfer
CB Designation: Restricted Research

Energy Laboratory

Office of Contracts and Grants

Investigator: Mr. Lee Boozer, 100.00%
Cost Center: G003272 / 5022 / H0239 / B0001
Title: Welch Chair in Chemistry Control Account
Agency: Robert A. Welch Foundation
Agency Code: 6WEL00
Revenue Source Code: 800
Duration: 5/1/1982 to 5/31/2006
Award Amount: \$245,714.36
Type of Support: Grant for Research
CFDA: DELETE - Non-Federal activity
CB Designation: Restricted Research

TcSAM

University of Houston
Division of Research
New Grants and Continuation Awards for Research,
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Received During November, 2005

Investigator: Dr. Roy Weinstein, 75.00%
Cost Center: G088531 / 5013 / H0247 / B0001
Title: Improved Pinning Morphology in HTS, with Order-of-Magnitude Increase in Jc and Pinned Field
Agency: U.S. Army Robert Morris Acquisition Center
Agency Code: DOD216
Revenue Source Code: 500
Duration: 6/1/2004 to 10/31/2006
Award Amount: \$19,687.50
Type of Support: Grant for Research
CFDA: 12.431 - Basic Scientific Research
CB Designation: Restricted Research

Texas Learning/Computation Center

Investigator: Dr. David J. 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
Revenue Source Code: 500
Duration: 10/1/2003 to 9/30/2006
Award Amount: \$180,034.00
Type of Support: Co-Op Agreement for Research
CFDA: 84.305 - National Institute on Student Achievement, Curriculum and
CB Designation: Restricted Research

Investigator: Dr. Ioannis Pavlidis, 50.00%
Cost Center: G092139 / 5013 / H0246 / B0001
Title: Experimental Thermal Imaging Systems
Agency: ITT Industries
Agency Code: 3ITT00
Revenue Source Code: 800
Duration: 11/15/2005 to 5/15/2006
Award Amount: \$293,341.50
Type of Support: Contract for Research
CFDA: 97.077 - Homeland Security Testing, Evaluation, and Demonstration
CB Designation: Restricted Research

Investigator: Dr. Ricardo Vilalta, 50.00%
Cost Center: G090114 / 5013 / H0246 / B0001
Title: Career: Advancing the Theory and Practice of Meta-Learning with Applications in Physics
Agency: National Science Foundation
Agency Code: NSF000
Revenue Source Code: 500
Duration: 1/15/2005 to 12/31/2006
Award Amount: \$50,464.00
Type of Support: Grant for Research
CFDA: 47.070 - Computer and Information Science and Engineering (CISE)
CB Designation: Restricted Research

TIMES

University of Houston
Division of Research
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Received During November, 2005

Investigator: Dr. David J. 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
 Revenue Source Code: 500
 Duration: 10/1/2003 to 9/30/2006
 Award Amount: \$1,260,238.00
 Type of Support: Co-Op Agreement for Research
 CFDA: 84.305 - National Institute on Student Achievement, Curriculum and
 CB Designation: Restricted Research

GRADUATE SCHOOL OF SOCIAL WORK

Community Projects - Social Work

Investigator: Dr. Steven Applewhite, 100.00%
 Cost Center: G089487 / 5013 / H0130 / B0001
 Title: Consortium for Research in Elder Self-Neglect of Texas
 Agency: Baylor College of Medicine
 Agency Code: 7BAY00
 Revenue Source Code: 800
 Duration: 9/29/2004 to 7/31/2006
 Award Amount: \$3,263.00
 Type of Support: Grant for Research
 CFDA: 93.389 - Research Infrastructure
 CB Designation: Restricted Research

Dean, Social Work

Investigator: Dr. Kelli Connell-Carrick, 100.00%
 Cost Center: G091941 / 5013 / H0129 / B0001
 Title: PAL-STEP: Preparation for Independent Living-Supervisory Training & Empowerment Program
 Agency: Children's Bureau-Administrtrtion on Children, Youth & Families
 Agency Code: HEW910
 Revenue Source Code: 500
 Duration: 9/30/2005 to 9/29/2008
 Award Amount: \$237,370.00
 Type of Support: Grant for Research
 CFDA: 93.556 - Family Preservation and Support Services
 CB Designation: Restricted Research

Total Federal	\$2,550,219.00
Total State	\$475,667.00
Total Local	\$3,400.00
Total Other	\$1,045,725.01
TOTAL THIS MONTH	\$4,075,011.01