

University of Houston
Division of Research
New Grants and Continuation Awards for Research,
Traineeships, Fellowships, Equipment and Buildings
Received During March, 2004

C.T. BAUER COLLEGE OF BUSINESS

Energy Institute

Investigator: Dr. Michelle Foss, 100.00%
Cost Center: G088519 / 5013 / H0042 / B0001
Title: Energy Sector Governance "Smart Development" Initiative
Agency: U. S. Agency for International Development
Agency Code: AID000
Revenue Source Code: 500
Duration: 9/30/2003 to 3/31/2005
Award Amount: \$250,000.00
Type of Support: Co-Op Agreement for Research
CFDA: 81.089 - Fossil Energy Research and Development
CB Designation: Restricted Research

COLLEGE OF EDUCATION

Curriculum and Instruction

Investigator: Dr. Eugene L. Chiappetta, 40.00%
Cost Center: G089356 / 5014 / H0062 / B0001
Title: Infinity and Beyond: Integrated Physics and Chemistry Projects for High School Teachers
Agency: Texas Higher Education Coordinating Board
Agency Code: 1COR00
Revenue Source Code: 600
Duration: 2/1/2004 to 1/30/2005
Award Amount: \$119,991.60
Type of Support: Contract for Research
CFDA: 84.367 - Improving Teacher Quality State Grants
CB Designation: Restricted Research

Investigator: Dr. Andrea Foster, 40.00%
Cost Center: G089356 / 5014 / H0062 / B0001
Title: Infinity and Beyond: Integrated Physics and Chemistry Projects for High School Teachers
Agency: Texas Higher Education Coordinating Board
Agency Code: 1COR00
Revenue Source Code: 600
Duration: 2/1/2004 to 1/30/2005
Award Amount: \$119,991.60
Type of Support: Contract for Research
CFDA: 84.367 - Improving Teacher Quality State Grants
CB Designation: Restricted Research

University of Houston
Division of Research
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Received During March, 2004

Investigator: Dr. Susan E. Williams, 50.00%
Cost Center: G089222 / 5014 / H0110 / B0001
Title: Middle School Mathematics Program, Part 1
Agency: Texas Higher Education Coordinating Board
Agency Code: 1COR00
Revenue Source Code: 600
Duration: 2/1/2004 to 1/30/2005
Award Amount: \$150,000.00
Type of Support: Contract for Research
CFDA: 84.367 - Improving Teacher Quality State Grants
CB Designation: Restricted Research

Investigator: Dr. Susan E. Williams, 50.00%
Cost Center: G089221 / 5014 / H0062 / B0001
Title: Middle School Mathematics Program, Part 2
Agency: Texas Higher Education Coordinating Board
Agency Code: 1COR00
Revenue Source Code: 600
Duration: 2/1/2004 to 1/30/2005
Award Amount: \$150,000.00
Type of Support: Contract for Research
CFDA: 84.367 - Improving Teacher Quality State Grants
CB Designation: Restricted Research

Investigator: Dr. Doris Williams-Smith, 100.00%
Cost Center: G089527 / 5013 / H0062 / B0001
Title: Great Cities Universities Urban Educator Corps-UH Community Plan 2003
Agency: University of New Orleans - Great Cities Universities
Agency Code: 7N0U01
Revenue Source Code: 800
Duration: 8/1/2003 to 6/30/2004
Award Amount: \$17,000.00
Type of Support: Contract for Research
CFDA:
CB Designation: Restricted Research

Health and Human Performance

Investigator: Dr. Dennis W. Smith, 100.00%
Cost Center: G089523 / 5021 / H0065 / B0001
Title: Diabetes Evaluation
Agency: Paso del Norte Health Foundation
Agency Code: 6PDN00
Revenue Source Code: 800
Duration: 2/20/2004 to 5/31/2004
Award Amount: \$5,225.00
Type of Support: Grant for Research
CFDA:
CB Designation: Restricted Research

COLLEGE OF LIBERAL ARTS AND SOCIAL SCIENCES

Arte Publico Press

University of Houston
Division of Research
New Grants and Continuation Awards for Research,
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Received During March, 2004

Investigator: Dr. Nicolas Kanellos, 100.00%
Cost Center: G088355 / 5021 / H0093 / B0001
Title: Recovering Hispanic Religious Thought
Agency: Ford Foundation
Agency Code: 6FMC04
Revenue Source Code: 800
Duration: 1/1/2004 to 12/31/2006
Award Amount: \$341,000.00
Type of Support: Grant for Research
CFDA:
CB Designation: Restricted Research

Investigator: Dr. Nicolas Kanellos, 100.00%
Cost Center: G088596 / 5022 / H0093 / B0001
Title: Journey to the United States, by Lorenzo de Zavala
Agency: The Summerlee Foundation
Agency Code: 6SUMLO
Revenue Source Code: 800
Duration: 3/1/2004 to 2/28/2005
Award Amount: \$6,150.00
Type of Support: Grant for Research
CFDA:
CB Designation: Restricted Research

Communication Disorders

Investigator: Dr. Lynn S. Bliss, 100.00%
Cost Center: G005165 / 5022 / H0087 / B0001
Title: United Way Support for Service Delivery in the University of Houston Speech, Language and Hearing Clinic
Agency: United Way of the Texas Gulf Coast
Agency Code: 4UWAY2
Revenue Source Code: 800
Duration: 1/1/2001 to 12/31/2004
Award Amount: \$177,434.00
Type of Support: Grant for Research
CFDA: DELETE - Non-Federal activity
CB Designation: Restricted Research

Psychology

Investigator: Dr. David J. Francis, 20.00%
Cost Center: G089081 / 5016 / H0288 / B0001
Title: Reading First Evaluation - Task I - Reading Assessments
Agency: Texas Education Agency
Agency Code: 1TEA00
Revenue Source Code: 600
Duration: 9/1/2003 to 7/30/2004
Award Amount: \$915,697.40
Type of Support: Contract for Research
CFDA: 47.075 - Social, Behavioral, and Economic Sciences
CB Designation: Restricted Research

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New Grants and Continuation Awards for Research,
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Received During March, 2004

Biology/Biochemistry

Investigator: Dr. Steven Blanke, 100.00%
Cost Center: G000031 / 5013 / H0104 / B0001
Title: Molecular Mechanisms of the H. pylori Vacuolating Toxin
Agency: National Institute of Allergy and Infectious Diseases
Agency Code: HEW405
Revenue Source Code: 500
Duration: 3/15/2000 to 2/28/2005
Award Amount: \$184,375.00
Type of Support: Grant for Research
CFDA: 93.856 - Microbiology and Infectious Diseases Research
CB Designation: Restricted Research

Investigator: Dr. Patrick Callaerts, 100.00%
Cost Center: G005213 / 5013 / H0104 / B0001
Title: Molecular Analysis of Brain Development
Agency: National Institute of Mental Health
Agency Code: HEW803
Revenue Source Code: 500
Duration: 5/1/2001 to 3/31/2005
Award Amount: \$258,125.00
Type of Support: Grant for Research
CFDA: 93.242 - Mental Health Research Grants
CB Designation: Restricted Research

Investigator: Dr. Blaine J. Cole, 50.00%
Cost Center: G088414 / 5013 / H0104 / B0001
Title: Mating for Variety: Activity and Fitness in Pogonomyrmex Harvester Ants
Agency: National Science Foundation
Agency Code: NSF000
Revenue Source Code: 500
Duration: 4/1/2004 to 3/31/2005
Award Amount: \$55,000.00
Type of Support: Grant for Research
CFDA: 47.074 - Biological Sciences
CB Designation: Restricted Research

Investigator: Dr. Sean-Patrick Scott, 100.00%
Cost Center: G088779 / 5021 / H0104 / B0001
Title: Structural and Functional Studies of the CAMP Binding Domain of the HCN Pacemaker Channel
Agency: American Heart Association - National Center
Agency Code: 4AHA00
Revenue Source Code: 800
Duration: 9/1/2003 to 12/31/2004
Award Amount: \$32,500.00
Type of Support: Grant for Research
CFDA:
CB Designation: Restricted Research

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Received During March, 2004

Investigator: Dr. Diane Wiernasz, 50.00%
Cost Center: G088414 / 5013 / H0104 / B0001
Title: Mating for Variety: Activity and Fitness in Pogonomyrmex Harvester Ants
Agency: National Science Foundation
Agency Code: NSF000
Revenue Source Code: 500
Duration: 4/1/2004 to 3/31/2005
Award Amount: \$55,000.00
Type of Support: Grant for Research
CFDA: 47.074 - Biological Sciences
CB Designation: Restricted Research

Chemistry

Investigator: Dr. Rigoberto Advincula, 100.00%
Cost Center: G089452 / 5013 / H0107 / B0001
Title: Conference of Polyelectrolyte, Colloidal, and Nanoparticle Assemblies in Ultrathin Films
Agency: National Science Foundation
Agency Code: NSF000
Revenue Source Code: 500
Duration: 3/1/2004 to 2/28/2005
Award Amount: \$3,000.00
Type of Support: Grant for Research
CFDA: 47.049 - Mathematical and Physical Sciences
CB Designation: Restricted Research

Investigator: Dr. David M. Hoffman, 25.00%
Cost Center: G086913 / 5013 / H0248 / A0001
Title: Research Experiences for Undergraduates at the Center of Materials Chemistry-UH
Agency: National Science Foundation
Agency Code: NSF000
Revenue Source Code: 500
Duration: 4/1/2003 to 3/31/2005
Award Amount: \$19,500.00
Type of Support: Grant for Research
CFDA: 47.049 - Mathematical and Physical Sciences
CB Designation: Non Research

Investigator: Dr. Allan J. Jacobson, 25.00%
Cost Center: G086913 / 5013 / H0248 / A0001
Title: Research Experiences for Undergraduates at the Center of Materials Chemistry-UH
Agency: National Science Foundation
Agency Code: NSF000
Revenue Source Code: 500
Duration: 4/1/2003 to 3/31/2005
Award Amount: \$19,500.00
Type of Support: Grant for Research
CFDA: 47.049 - Mathematical and Physical Sciences
CB Designation: Non Research

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Received During March, 2004

Investigator: Dr. Allan J. Jacobson, 20.00%
Cost Center: G085790 / 5013 / H0248 / B0001
Title: Measurement of Surface Activation/Reaction Rates in Ion Transport Membranes Using Isotope Tracer and Tr
Agency: University of Alaska Geophysical Institute
Agency Code: 7UOA01
Revenue Source Code: 800
Duration: 10/1/2002 to 9/30/2004
Award Amount: \$21,614.80
Type of Support: Co-Op Agreement for Research
CFDA: 81.049 - Office of Energy Research Financial Assistance Program
CB Designation: Restricted Research

Investigator: Dr. T. Randall Lee, 10.00%
Cost Center: G085927 / 5015 / H0073 / B0001
Title: Institute for Intelligent Bio-Nano Materials and Structures for Aerospace Vehicles - MASTER ACCOUNT
Agency: Texas A&M Engineering Experiment Station
Agency Code: 1TAM10
Revenue Source Code: 600
Duration: 8/19/2002 to 8/18/2007
Award Amount: \$38,000.00
Type of Support: Co-Op Agreement for Research
CFDA: 43.001 - Aerospace Education Services Program
CB Designation: Restricted Research

Investigator: Dr. Scott S. Perry, 60.00%
Cost Center: G089093 / 5013 / H0107 / B0001
Title: Miniaturization Science for Space: Lubrication of Micro-Electro-Mechanical Systems (MEMS) for Space Env
Agency: U.S. Air Force Office of Scientific Research
Agency Code: DOD101
Revenue Source Code: 500
Duration: 3/1/2004 to 12/31/2004
Award Amount: \$90,000.00
Type of Support: Grant for Research
CFDA: 12.800 - Air Force Defense Research Sciences Program
CB Designation: Restricted Research

Investigator: Dr. B. Montgomery Pettitt, 50.00%
Cost Center: G088376 / 5013 / H0107 / B0001
Title: DNA Near Surfaces in Saline Solution: Design Optimization
Agency: National Institutes of Health
Agency Code: HEW040
Revenue Source Code: 500
Duration: 4/1/2004 to 3/31/2005
Award Amount: \$98,367.00
Type of Support: Grant for Research
CFDA: 93.821 - Cell Biology and Biophysics Research
CB Designation: Restricted Research

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Received During March, 2004

Investigator: Dr. B. Montgomery Pettitt, 10.00%
Cost Center: G085927 / 5015 / H0073 / B0001
Title: Institute for Intelligent Bio-Nano Materials and Structures for Aerospace Vehicles - MASTER ACCOUNT
Agency: Texas A&M Engineering Experiment Station
Agency Code: 1TAM10
Revenue Source Code: 600
Duration: 8/19/2002 to 8/18/2007
Award Amount: \$38,000.00
Type of Support: Co-Op Agreement for Research
CFDA: 43.001 - Aerospace Education Services Program
CB Designation: Restricted Research

Investigator: Dr. Randolph P. Thummel, 100.00%
Cost Center: G088603 / 5013 / H0107 / B0001
Title: New Approaches to More Effective Photosensitizers for TiO₂-Based Solar Cells
Agency: National Science Foundation
Agency Code: NSF000
Revenue Source Code: 500
Duration: 3/1/2004 to 2/28/2005
Award Amount: \$168,259.00
Type of Support: Grant for Research
CFDA: 47.049 - Mathematical and Physical Sciences
CB Designation: Restricted Research

Computer Science

Investigator: Dr. Jaspal Subhlok, 50.00%
Cost Center: G086650 / 5013 / H0246 / B0001
Title: SOFTWARE: Automatic Resource Selection in Dynamic Networked Computation Environments
Agency: National Science Foundation
Agency Code: NSF000
Revenue Source Code: 500
Duration: 3/1/2003 to 2/28/2005
Award Amount: \$48,001.00
Type of Support: Grant for Research
CFDA: 47.070 - Computer and Information Science and Engineering (CISE)
CB Designation: Restricted Research

Geosciences

Investigator: Dr. John F. Casey, 100.00%
Cost Center: G088726 / 5013 / H0109 / B0001
Title: Bull Rock and Mineral Major Trace Element Geochemistry of Leg 209 Gabroic and Ultramafic Rocks
Agency: Texas A&M Research Foundation
Agency Code: 6TAM04
Revenue Source Code: 800
Duration: 7/8/2003 to 5/8/2006
Award Amount: \$3,000.00
Type of Support: Co-Op Agreement for Research
CFDA:
CB Designation: Restricted Research

Institute for Molecular Design

University of Houston
Division of Research
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Received During March, 2004

Investigator: Dr. B. Montgomery Pettitt, 40.00%
Cost Center: G088376 / 5013 / H0107 / B0001
Title: DNA Near Surfaces in Saline Solution: Design Optimization
Agency: National Institutes of Health
Agency Code: HEW040
Revenue Source Code: 500
Duration: 4/1/2004 to 3/31/2005
Award Amount: \$78,693.60
Type of Support: Grant for Research
CFDA: 93.821 - Cell Biology and Biophysics Research
CB Designation: Restricted Research

Mathematics

Investigator: Dr. Garret J. Etgen, 50.00%
Cost Center: G089221 / 5014 / H0062 / B0001
Title: Middle School Mathematics Program, Part 2
Agency: Texas Higher Education Coordinating Board
Agency Code: 1COR00
Revenue Source Code: 600
Duration: 2/1/2004 to 1/30/2005
Award Amount: \$150,000.00
Type of Support: Contract for Research
CFDA: 84.367 - Improving Teacher Quality State Grants
CB Designation: Restricted Research

Investigator: Dr. Jeffrey Morgan, 50.00%
Cost Center: G089222 / 5014 / H0110 / B0001
Title: Middle School Mathematics Program, Part 1
Agency: Texas Higher Education Coordinating Board
Agency Code: 1COR00
Revenue Source Code: 600
Duration: 2/1/2004 to 1/30/2005
Award Amount: \$150,000.00
Type of Support: Contract for Research
CFDA: 84.367 - Improving Teacher Quality State Grants
CB Designation: Restricted Research

Physics

Investigator: Dr. Alex Ignatiev, 25.00%
Cost Center: G089603 / 5022 / H0247 / B0001
Title: Virtual Vision TDT Match - Thin Film Optical Detectors (TOD) for Retinal Implantation - A "Bionic" Eye
Agency: Virtual Vision, LLP
Agency Code: 3VVL00
Revenue Source Code: 800
Duration: 1/1/2002 to 8/31/2004
Award Amount: \$100,000.00
Type of Support: Contract for Research
CFDA:
CB Designation: Restricted Research

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Received During March, 2004

Investigator: Dr. Lawrence S. Pinsky, 60.00%
Cost Center: G086330 / 5013 / H0112 / B0001
Title: Analysis of Data From the Mars Odyssey Marie Experiment
Agency: National Aeronautics and Space Administration - Johnson Space Center
Agency Code: NAS300
Revenue Source Code: 500
Duration: 6/1/2002 to 5/31/2004
Award Amount: \$9,948.60
Type of Support: Grant for Research
CFDA: 43.001 - Aerospace Education Services Program
CB Designation: Restricted Research

Investigator: Dr. Arthur Weglein, 100.00%
Cost Center: G086114 / 5022 / H0112 / B0001
Title: Mission-oriented Seismic Research Program
Agency: Various Private Profit Agencies
Agency Code: 3VAR00
Revenue Source Code: 800
Duration: 1/1/2002 to 12/31/2004
Award Amount: \$64,000.00
Type of Support: Contract for Research
CFDA:
CB Designation: Restricted Research

COLLEGE OF OPTOMETRY

Community Optometry

Investigator: Dr. Laura J. Frishman, 100.00%
Cost Center: G086829 / 5013 / H0114 / B0001
Title: CORE-Vision Research
Agency: National Eye Institute
Agency Code: HEW402
Revenue Source Code: 500
Duration: 3/1/2003 to 2/28/2005
Award Amount: \$481,983.00
Type of Support: Grant for Research
CFDA: 93.867 - Vision Research
CB Designation: Restricted Research

Optometry

Investigator: Dr. Earl L. Smith, 100.00%
Cost Center: G000035 / 5013 / H0113 / B0001
Title: Optically Induced Anisometropia
Agency: National Eye Institute
Agency Code: HEW402
Revenue Source Code: 500
Duration: 4/1/2000 to 3/31/2005
Award Amount: \$331,875.00
Type of Support: Grant for Research
CFDA: 93.867 - Vision Research
CB Designation: Restricted Research

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Received During March, 2004

COLLEGE OF PHARMACY

Clinical Sciences and Administration

Investigator: Dr. Kevin Garey, 50.00%
Cost Center: G089133 / 5022 / H0118 / B0001
Title: Prevalence of AmpC in Clinical Strains of Pseudomonas Aeruginosa and its Impact on Clinical Outcomes
Agency: AstraZeneca Pharmaceuticals, LP
Agency Code: 3AZP00
Revenue Source Code: 800
Duration: 12/18/2003 to 12/17/2004
Award Amount: \$53,523.75
Type of Support: Contract for Research
CFDA:
CB Designation: Restricted Research

Investigator: Mr. Vincent Tam, 50.00%
Cost Center: G089133 / 5022 / H0118 / B0001
Title: Prevalence of AmpC in Clinical Strains of Pseudomonas Aeruginosa and its Impact on Clinical Outcomes
Agency: AstraZeneca Pharmaceuticals, LP
Agency Code: 3AZP00
Revenue Source Code: 800
Duration: 12/18/2003 to 12/17/2004
Award Amount: \$53,523.75
Type of Support: Contract for Research
CFDA:
CB Designation: Restricted Research

COLLEGE OF TECHNOLOGY

Center for Technology Literacy

Investigator: Dr. John W. Hansen, 100.00%
Cost Center: G089077 / 5016 / H0423 / B0001
Title: TEKS Implementation and Support System for Technology Education (2003-04)
Agency: Texas Education Agency
Agency Code: 1TEA00
Revenue Source Code: 600
Duration: 9/1/2003 to 8/31/2004
Award Amount: \$235,000.00
Type of Support: Contract for Research
CFDA:
CB Designation: Restricted Research

Human Development and Consumer Science

University of Houston
Division of Research
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Received During March, 2004

Investigator: Dr. Marcella L. Norwood, 50.00%
Cost Center: G089078 / 5016 / H0140 / B0001
Title: TEKS Implementation Support System for Business Education (2003-04)
Agency: Texas Education Agency
Agency Code: 1TEA00
Revenue Source Code: 600
Duration: 11/20/2003 to 8/31/2004
Award Amount: \$90,000.00
Type of Support: Contract for Research
CFDA:
CB Designation: Restricted Research

Industrial Technology

Investigator: Dr. Sharon Lund O'Neil, 50.00%
Cost Center: G089080 / 5016 / H0137 / B0001
Title: TEKS Implementation Support Systems for Business Education (2003-04)
Agency: Texas Education Agency
Agency Code: 1TEA00
Revenue Source Code: 600
Duration: 11/20/2003 to 8/31/2004
Award Amount: \$102,500.00
Type of Support: Contract for Research
CFDA:
CB Designation: Restricted Research

Investigator: Dr. Cheryl L. Willis, 50.00%
Cost Center: G089078 / 5016 / H0140 / B0001
Title: TEKS Implementation Support System for Business Education (2003-04)
Agency: Texas Education Agency
Agency Code: 1TEA00
Revenue Source Code: 600
Duration: 11/20/2003 to 8/31/2004
Award Amount: \$90,000.00
Type of Support: Contract for Research
CFDA:
CB Designation: Restricted Research

Investigator: Dr. Cheryl L. Willis, 50.00%
Cost Center: G089080 / 5016 / H0137 / B0001
Title: TEKS Implementation Support Systems for Business Education (2003-04)
Agency: Texas Education Agency
Agency Code: 1TEA00
Revenue Source Code: 600
Duration: 11/20/2003 to 8/31/2004
Award Amount: \$102,500.00
Type of Support: Contract for Research
CFDA:
CB Designation: Restricted Research

CULLEN COLLEGE OF ENGINEERING

Chemical Engineering

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

Received During March, 2004

Investigator: Dr. Vemuri Balakotaiah, 100.00%
Cost Center: G083441 / 5013 / H0067 / B0001
Title: Fundamental Studies on Two-Phase Gas-Liquid Flows Through Packed-Beds in Microgravity
Agency: National Aeronautics and Space Administration - Glenn Research Center
Agency Code: NAS101
Revenue Source Code: 500
Duration: 1/17/2002 to 10/31/2005
Award Amount: \$49,220.00
Type of Support: Grant for Research
CFDA: 43.002 - Technology Transfer
CB Designation: Restricted Research

Investigator: Dr. Vemuri Balakotaiah, 100.00%
Cost Center: G089504 / 5016 / H0067 / B0001
Title: Perfusion and Metabolic Dependence of Tissue and Tumor pH-An Inter-disciplinary Approach
Agency: University of Texas Health Science Center at Houston
Agency Code: 1UTX11
Revenue Source Code: 600
Duration: 2/1/2004 to 8/31/2004
Award Amount: \$25,000.00
Type of Support: Contract for Research
CFDA:
CB Designation: Restricted Research

Investigator: Dr. Ramanan Krishnamoorti, 10.00%
Cost Center: G085927 / 5015 / H0073 / B0001
Title: Institute for Intelligent Bio-Nano Materials and Structures for Aerospace Vehicles - MASTER ACCOUNT
Agency: Texas A&M Engineering Experiment Station
Agency Code: 1TAM10
Revenue Source Code: 600
Duration: 8/19/2002 to 8/18/2007
Award Amount: \$38,000.00
Type of Support: Co-Op Agreement for Research
CFDA: 43.001 - Aerospace Education Services Program
CB Designation: Restricted Research

Electrical Engineering

Investigator: Dr. Ji Chen, 100.00%
Cost Center: G087839 / 5013 / H0070 / B0001
Title: Computer Modeling of EM Energy Deposition within Human Subjects Under Various RF Sources
Agency: National Science Foundation
Agency Code: NSF000
Revenue Source Code: 500
Duration: 3/1/2004 to 2/28/2006
Award Amount: \$98,248.00
Type of Support: Grant for Research
CFDA: 47.041 - Engineering Grants
CB Designation: Restricted Research

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Investigator: Dr. Han Quang Le, 16.00%
Cost Center: G004996 / 5013 / H0245 / B0001
Title: Phonon Enhancement of Electronic and Optoelectronic Devices
Agency: Brown University
Agency Code: 7BRU00
Revenue Source Code: 800
Duration: 6/15/2000 to 1/14/2005
Award Amount: \$28,106.08
Type of Support: Grant for Research
CFDA:
CB Designation: Restricted Research

Investigator: Dr. Chih-Hsiang Lin, 3.00%
Cost Center: G004996 / 5013 / H0245 / B0001
Title: Phonon Enhancement of Electronic and Optoelectronic Devices
Agency: Brown University
Agency Code: 7BRU00
Revenue Source Code: 800
Duration: 6/15/2000 to 1/14/2005
Award Amount: \$5,269.89
Type of Support: Grant for Research
CFDA:
CB Designation: Restricted Research

Investigator: Dr. Stuart A. Long, 20.00%
Cost Center: G089356 / 5014 / H0062 / B0001
Title: Infinity and Beyond: Integrated Physics and Chemistry Projects for High School Teachers
Agency: Texas Higher Education Coordinating Board
Agency Code: 1COR00
Revenue Source Code: 600
Duration: 2/1/2004 to 1/30/2005
Award Amount: \$59,995.80
Type of Support: Contract for Research
CFDA: 84.367 - Improving Teacher Quality State Grants
CB Designation: Restricted Research

Investigator: Dr. Shin Shem Pei, 17.00%
Cost Center: G004996 / 5013 / H0245 / B0001
Title: Phonon Enhancement of Electronic and Optoelectronic Devices
Agency: Brown University
Agency Code: 7BRU00
Revenue Source Code: 800
Duration: 6/15/2000 to 1/14/2005
Award Amount: \$29,862.71
Type of Support: Grant for Research
CFDA:
CB Designation: Restricted Research

Industrial Engineering

University of Houston
Division of Research
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Investigator: Dr. Lawrence J. H. Schulze, 100.00%
Cost Center: G089346 / 5015 / H0072 / B0001
Title: Fogarty International Training Program
Agency: University of Texas School of Public Health
Agency Code: 1UTX12
Revenue Source Code: 600
Duration: 1/15/2004 to 4/30/2004
Award Amount: \$8,781.00
Type of Support: Grant for Research
CFDA: 93.989 - Senior International Fellowships
CB Designation: Restricted Research

Mechanical Engineering

Investigator: Dr. Yi-Chao Chen, 10.00%
Cost Center: G085927 / 5015 / H0073 / B0001
Title: Institute for Intelligent Bio-Nano Materials and Structures for Aerospace Vehicles - MASTER ACCOUNT
Agency: Texas A&M Engineering Experiment Station
Agency Code: 1TAM10
Revenue Source Code: 600
Duration: 8/19/2002 to 8/18/2007
Award Amount: \$38,000.00
Type of Support: Co-Op Agreement for Research
CFDA: 43.001 - Aerospace Education Services Program
CB Designation: Restricted Research

Investigator: Dr. Karolos M. Grigoriadis, 20.00%
Cost Center: G085927 / 5015 / H0073 / B0001
Title: Institute for Intelligent Bio-Nano Materials and Structures for Aerospace Vehicles - MASTER ACCOUNT
Agency: Texas A&M Engineering Experiment Station
Agency Code: 1TAM10
Revenue Source Code: 600
Duration: 8/19/2002 to 8/18/2007
Award Amount: \$76,000.00
Type of Support: Co-Op Agreement for Research
CFDA: 43.001 - Aerospace Education Services Program
CB Designation: Restricted Research

Investigator: Dr. Fazole Hussain, 10.00%
Cost Center: G085927 / 5015 / H0073 / B0001
Title: Institute for Intelligent Bio-Nano Materials and Structures for Aerospace Vehicles - MASTER ACCOUNT
Agency: Texas A&M Engineering Experiment Station
Agency Code: 1TAM10
Revenue Source Code: 600
Duration: 8/19/2002 to 8/18/2007
Award Amount: \$38,000.00
Type of Support: Co-Op Agreement for Research
CFDA: 43.001 - Aerospace Education Services Program
CB Designation: Restricted Research

University of Houston
Division of Research
New Grants and Continuation Awards for Research,
Traineeships, Fellowships, Equipment and Buildings
Received During March, 2004

Investigator: Dr. Stanley J. Kleis, 100.00%
Cost Center: G089178 / 5013 / H0073 / B0001
Title: Fluid Dynamic Evaluation of the NASA/MMRB Bioreactor Concept
Agency: Universities Space Research Association
Agency Code: 4USR00
Revenue Source Code: 800
Duration: 1/1/2004 to 6/30/2004
Award Amount: \$19,459.00
Type of Support: Co-Op Agreement for Research
CFDA:
CB Designation: Restricted Research

Investigator: Dr. Lewis T. Wheeler, 10.00%
Cost Center: G085927 / 5015 / H0073 / B0001
Title: Institute for Intelligent Bio-Nano Materials and Structures for Aerospace Vehicles - MASTER ACCOUNT
Agency: Texas A&M Engineering Experiment Station
Agency Code: 1TAM10
Revenue Source Code: 600
Duration: 8/19/2002 to 8/18/2007
Award Amount: \$38,000.00
Type of Support: Co-Op Agreement for Research
CFDA: 43.001 - Aerospace Education Services Program
CB Designation: Restricted Research

Investigator: Dr. David C. Zimmerman, 20.00%
Cost Center: G085927 / 5015 / H0073 / B0001
Title: Institute for Intelligent Bio-Nano Materials and Structures for Aerospace Vehicles - MASTER ACCOUNT
Agency: Texas A&M Engineering Experiment Station
Agency Code: 1TAM10
Revenue Source Code: 600
Duration: 8/19/2002 to 8/18/2007
Award Amount: \$76,000.00
Type of Support: Co-Op Agreement for Research
CFDA: 43.001 - Aerospace Education Services Program
CB Designation: Restricted Research

DIVISION OF RESEARCH

Center for Materials Chemistry

Investigator: Dr. David M. Hoffman, 25.00%
Cost Center: G086913 / 5013 / H0248 / A0001
Title: Research Experiences for Undergraduates at the Center of Materials Chemistry-UH
Agency: National Science Foundation
Agency Code: NSF000
Revenue Source Code: 500
Duration: 4/1/2003 to 3/31/2005
Award Amount: \$19,500.00
Type of Support: Grant for Research
CFDA: 47.049 - Mathematical and Physical Sciences
CB Designation: Non Research

University of Houston
Division of Research
New Grants and Continuation Awards for Research,
Traineeships, Fellowships, Equipment and Buildings
Received During March, 2004

Investigator: Dr. Allan J. Jacobson, 25.00%
Cost Center: G086913 / 5013 / H0248 / A0001
Title: Research Experiences for Undergraduates at the Center of Materials Chemistry-UH
Agency: National Science Foundation
Agency Code: NSF000
Revenue Source Code: 500
Duration: 4/1/2003 to 3/31/2005
Award Amount: \$19,500.00
Type of Support: Grant for Research
CFDA: 47.049 - Mathematical and Physical Sciences
CB Designation: Non Research

Investigator: Dr. Allan J. Jacobson, 80.00%
Cost Center: G085790 / 5013 / H0248 / B0001
Title: Measurement of Surface Activation/Reaction Rates in Ion Transport Membranes Using Isotope Tracer and Tr
Agency: University of Alaska Geophysical Institute
Agency Code: 7UOA01
Revenue Source Code: 800
Duration: 10/1/2002 to 9/30/2004
Award Amount: \$86,459.20
Type of Support: Co-Op Agreement for Research
CFDA: 81.049 - Office of Energy Research Financial Assistance Program
CB Designation: Restricted Research

Investigator: Dr. Scott S. Perry, 40.00%
Cost Center: G089093 / 5013 / H0107 / B0001
Title: Miniaturization Science for Space: Lubrication of Micro-Electro-Mechanical Systems (MEMS) for Space Env
Agency: U.S. Air Force Office of Scientific Research
Agency Code: DOD101
Revenue Source Code: 500
Duration: 3/1/2004 to 12/31/2004
Award Amount: \$60,000.00
Type of Support: Grant for Research
CFDA: 12.800 - Air Force Defense Research Sciences Program
CB Designation: Restricted Research

Institute for Space Systems Operations

Investigator: Dr. Lawrence S. Pinsky, 40.00%
Cost Center: G086330 / 5013 / H0112 / B0001
Title: Analysis of Data From the Mars Odyssey Marie Experiment
Agency: National Aeronautics and Space Administration - Johnson Space Center
Agency Code: NAS300
Revenue Source Code: 500
Duration: 6/1/2002 to 5/31/2004
Award Amount: \$6,632.40
Type of Support: Grant for Research
CFDA: 43.001 - Aerospace Education Services Program
CB Designation: Restricted Research

Space Vacuum Epitaxy Center

University of Houston
Division of Research
New Grants and Continuation Awards for Research,
Traineeships, Fellowships, Equipment and Buildings
Received During March, 2004

Investigator: Dr. Han Quang Le, 17.00%
Cost Center: G004996 / 5013 / H0245 / B0001
Title: Phonon Enhancement of Electronic and Optoelectronic Devices
Agency: Brown University
Agency Code: 7BRU00
Revenue Source Code: 800
Duration: 6/15/2000 to 1/14/2005
Award Amount: \$29,862.71
Type of Support: Grant for Research
CFDA:
CB Designation: Restricted Research

Investigator: Dr. Chih-Hsiang Lin, 30.00%
Cost Center: G004996 / 5013 / H0245 / B0001
Title: Phonon Enhancement of Electronic and Optoelectronic Devices
Agency: Brown University
Agency Code: 7BRU00
Revenue Source Code: 800
Duration: 6/15/2000 to 1/14/2005
Award Amount: \$52,698.90
Type of Support: Grant for Research
CFDA:
CB Designation: Restricted Research

Investigator: Dr. Shin Shem Pei, 17.00%
Cost Center: G004996 / 5013 / H0245 / B0001
Title: Phonon Enhancement of Electronic and Optoelectronic Devices
Agency: Brown University
Agency Code: 7BRU00
Revenue Source Code: 800
Duration: 6/15/2000 to 1/14/2005
Award Amount: \$29,862.71
Type of Support: Grant for Research
CFDA:
CB Designation: Restricted Research

TcSAM

Investigator: Dr. Alex Ignatiev, 75.00%
Cost Center: G089603 / 5022 / H0247 / B0001
Title: Virtual Vision TDT Match - Thin Film Optical Detectors (TOD) for Retinal Implantation - A "Bionic" Eye
Agency: Virtual Vision, LLP
Agency Code: 3VVL00
Revenue Source Code: 800
Duration: 1/1/2002 to 8/31/2004
Award Amount: \$300,000.00
Type of Support: Contract for Research
CFDA:
CB Designation: Restricted Research

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

Received During March, 2004

Investigator: Dr. James Meen, 100.00%
Cost Center: G088677 / 5022 / H0247 / B0001
Title: Collaborative Research into the Chemical and Mineralogic Changes in Drilling Muds
Agency: OGS Laboratory Inc.
Agency Code: 3OGL00
Revenue Source Code: 800
Duration: 12/3/2003 to 12/3/2004
Award Amount: \$1,191.00
Type of Support: Contract for Research
CFDA:
CB Designation: Restricted Research

Texas Learning/Computation Center

Investigator: Dr. David J. Francis, 10.00%
Cost Center: G089081 / 5016 / H0288 / B0001
Title: Reading First Evaluation - Task I - Reading Assessments
Agency: Texas Education Agency
Agency Code: 1TEA00
Revenue Source Code: 600
Duration: 9/1/2003 to 7/30/2004
Award Amount: \$457,848.70
Type of Support: Contract for Research
CFDA: 47.075 - Social, Behavioral, and Economic Sciences
CB Designation: Restricted Research

Investigator: Dr. B. Montgomery Pettitt, 10.00%
Cost Center: G088376 / 5013 / H0107 / B0001
Title: DNA Near Surfaces in Saline Solution: Design Optimization
Agency: National Institutes of Health
Agency Code: HEW040
Revenue Source Code: 500
Duration: 4/1/2004 to 3/31/2005
Award Amount: \$19,673.40
Type of Support: Grant for Research
CFDA: 93.821 - Cell Biology and Biophysics Research
CB Designation: Restricted Research

Investigator: Dr. Jaspal Subhlok, 50.00%
Cost Center: G086650 / 5013 / H0246 / B0001
Title: SOFTWARE: Automatic Resource Selection in Dynamic Networked Computation Environments
Agency: National Science Foundation
Agency Code: NSF000
Revenue Source Code: 500
Duration: 3/1/2003 to 2/28/2005
Award Amount: \$48,001.00
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
New Grants and Continuation Awards for Research,
Traineeships, Fellowships, Equipment and Buildings
Received During March, 2004

Investigator: Dr. David J. Francis, 70.00%
Cost Center: G089081 / 5016 / H0288 / B0001
Title: Reading First Evaluation - Task I - Reading Assessments
Agency: Texas Education Agency
Agency Code: 1TEA00
Revenue Source Code: 600
Duration: 9/1/2003 to 7/30/2004
Award Amount: \$3,204,940.90
Type of Support: Contract for Research
CFDA: 47.075 - Social, Behavioral, and Economic Sciences
CB Designation: Restricted Research

LAW CENTER

Law

Investigator: Ms. Ellen Marrus, 100.00%
Cost Center: G089562 / 5022 / H0099 / B0001
Title: Crime Victims Civil Legal Services Program
Agency: Texas Equal Access to Justice Foundation
Agency Code: 6TEA00
Revenue Source Code: 800
Duration: 9/1/2003 to 8/31/2004
Award Amount: \$30,000.00
Type of Support: Grant for Research
CFDA:
CB Designation: Restricted Research

Total Federal	\$2,472,402.00
Total State	\$6,512,247.00
Total Local	\$0.00
Total Other	\$1,487,743.50
TOTAL THIS MONTH	\$10,472,392.50