

# Office of Research and Commercialization MILLIONAIRES

Dr. Sandra L. Robinson	College of Education	\$ 9,100,000.13
Ms. Melanie L. Parker	Student Development and Enrollment Services	\$ 3,979,778.94
Dr. Leonid Glebov	College of Optics and Photonics	\$ 2,938,968.06
Dr. David L. Block	Florida Solar Energy Center (FSEC)	\$ 2,513,275.00
Dr. Ali T-Raissi	Florida Solar Energy Center (FSEC)	\$ 2,496,673.50
Mr. Ernest A. Smart	Institute for Simulation & Training (IST)	\$ 1,976,414.22
Dr. Dennis Deppe	College of Optics and Photonics	\$ 1,969,849.00
Dr. Peter J. Delfyett	College of Optics and Photonics	\$ 1,667,727.30
Dr. Lee S. Cross	College of Education	\$ 1,617,183.00
Dr. Henry Daniell	Burnett College of Biomedical Sciences	\$ 1,546,630.00
Dr. Mubarak A. Shah	College of Engineering and Computer Science (CECS)	\$ 1,345,769.00
Dr. John Ballantyne	College of Sciences	\$ 1,335,186.40
Dr. Sudipta Seal	Advanced Materials Processing & Analysis Center (AMPAC)	\$ 1,304,024.20
Dr. Shin-Tson Wu	College of Optics and Photonics	\$ 1,217,571.60
Dr. Zixi Cheng	Burnett College of Biomedical Sciences	\$ 1,193,862.00
Dr. Martin C. Richardson	College of Optics and Photonics	\$ 1,169,342.21
Dr. Chad Nye	College of Health & Public Affairs (COHPA)	\$ 1,129,166.00
Dr. Mary E. Little	College of Education	\$ 1,109,215.00
Dr. Martin P. Wanielista	College of Engineering and Computer Science (CECS)	\$ 1,062,428.00
Dr. Glenn D. Boreman	College of Optics and Photonics	\$ 1,005,986.33
Mr. John A. Selter	College of Engineering and Computer Science (CECS)	\$ 973,173.36

## Research at UCF Growing in Size and Significance

LAST YEAR was another record year for UCF in terms of external funding. The most striking increases in '06 funding are in nanoscience and biomedical sciences, with increases of 300% and 100% respectively.

The Nanoscience Technology Center's efforts include a National Science Foundation CAREER award for Qun Huo, associate professor in the department of chemistry, for a project to develop a synthetic method for incorporating nanoparticles into material structures. Additional projects in the center include developing nanomaterials with superior optical, electrical and thermal properties. The center is also building strong programs in life sciences, including development of new in-vitro systems and drug screening methods, as well as other disciplines with projects involving biological threat detection, nanoscale optics and electronic processing and magnetic sensors.

The Burnett College of Biomedical Sciences continues to grow with research in areas including Alzheimer's disease, treatments for various forms of cancer, investigations into the use of adult stem cells, and a variety of vaccines and therapies using chloroplast transformation in plants. The addition of the University of Central Florida Medical School will serve as a catalyst for even more growth and activity in the Burnett college of Biomedical Sciences. The college plans to offer a doctor of medicine (M.D.) degree program beginning in the fall of 2009.

The college has hired several research faculty in the past year and those faculty are conducting funded research projects in a number of exciting areas. Jack Cheng, an associate professor in the biomedical college, received \$1.2 million in funding last year, largely for work exploring the connection between the brain and heart disease in diabetics.

Kiminobu Sugaya continues pioneering work in the use of adult stem cells to treat Alzheimer's and Parkinson's diseases as well as other neurodegenerative conditions. Sugaya and a partner relocated a company, NeoCytex BioPharma, Inc., to the UCF Technology Incubator to make therapies based on Sugaya's research available to the marketplace.

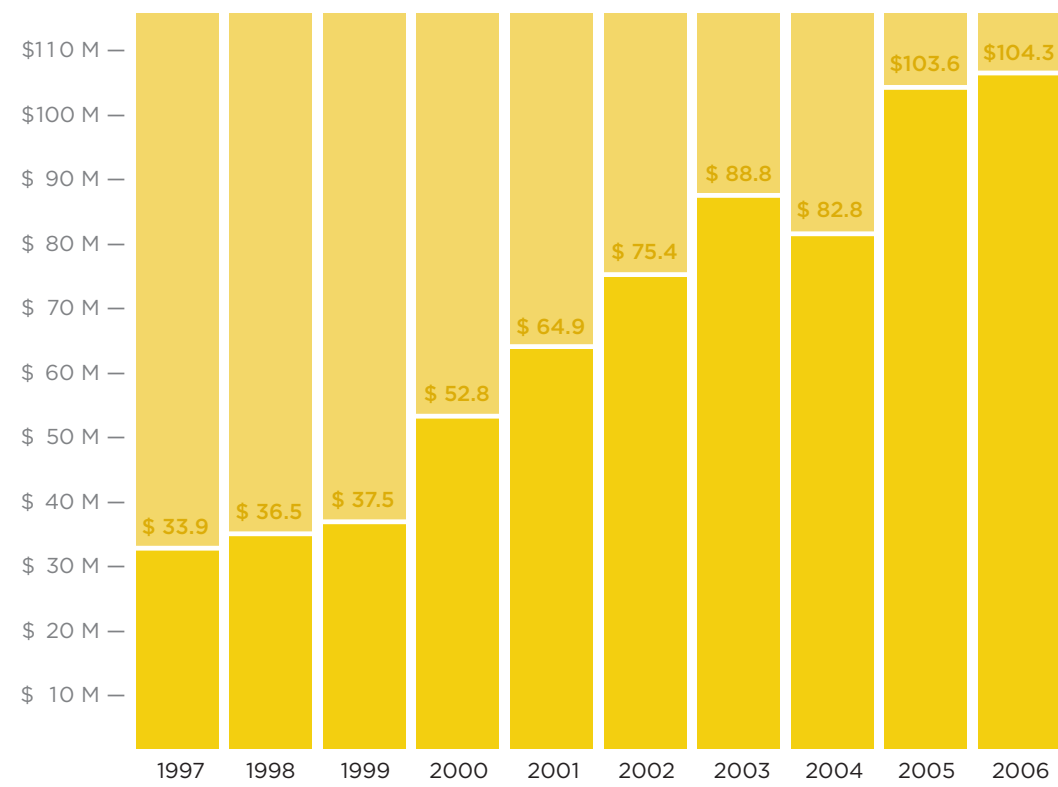
Faculty from the College of Education, which routinely tops UCF's funding list, secured significant resources to support their work, including the Florida Literacy & Reading Excellence Center, the Reading First Professional Development programs, and the effective Institutional Practices projects.

The College of Engineering and Computer Sciences, the Center for Research and Education in Optics and Lasers, the Florida Solar Energy Center, the Institute for Simulation and Training, the College of Sciences, the College of Health and Public Affairs, and the Advanced Materials Processing and Analysis Center all had solid years producing significant research and scholarly activity for funding agencies across the world.

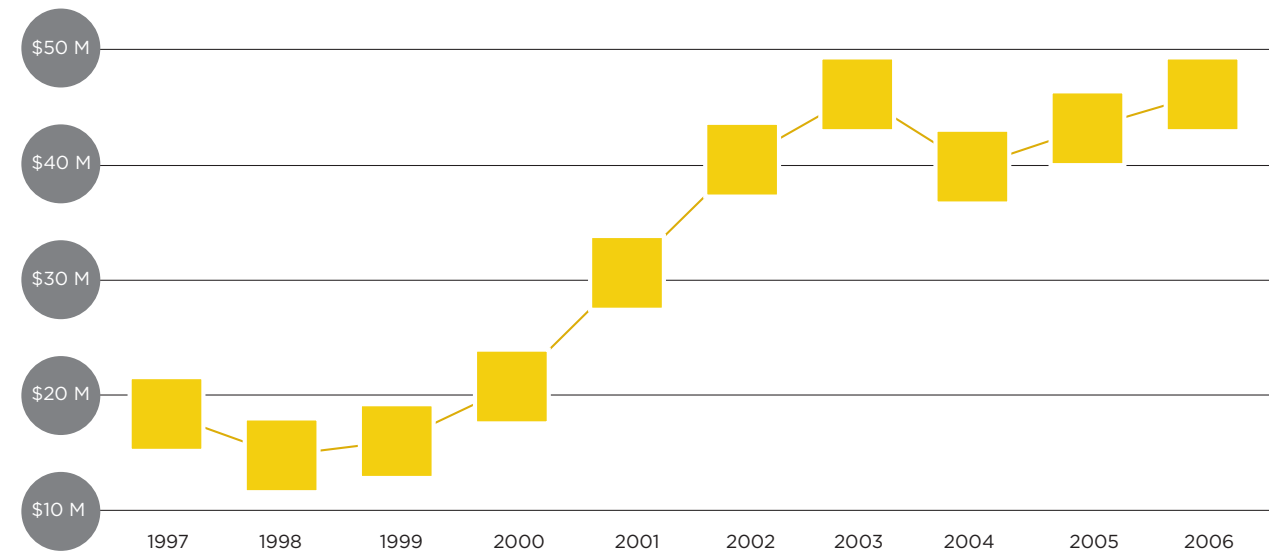
As the numbers in this book indicate, research at UCF is growing in size and significance. Last year the UCF Millionaires Club, established in 2000 to honor researchers receiving a million dollars or more of funding in a year, inducted 21 members. With faculty of that caliber, and more research areas opening up for them to explore here at UCF, we can look forward to more good years ahead.

**Tom O'Neal**  
Associate Vice President for Research

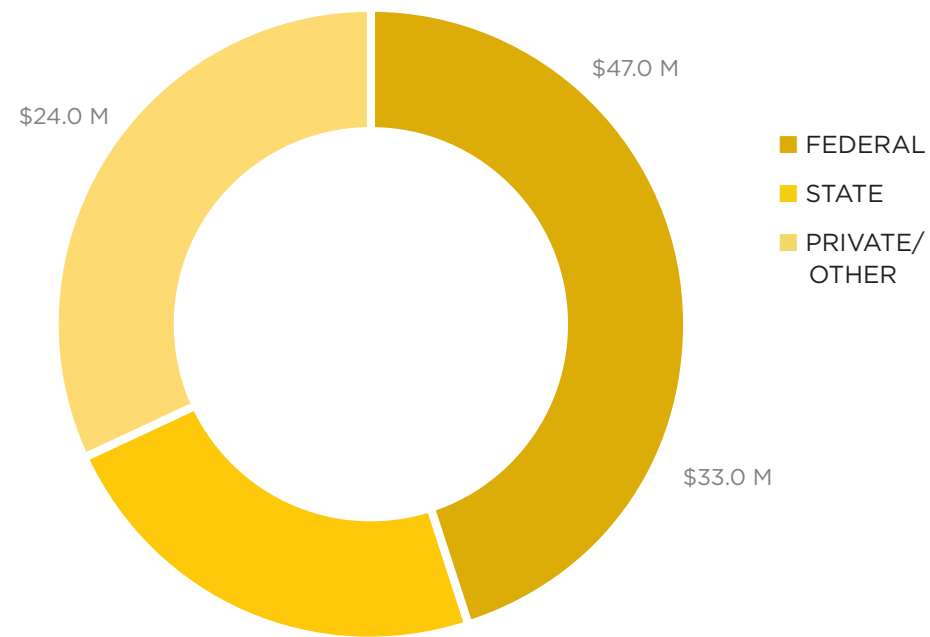
10-YEAR RESEARCH FUNDING HISTORY, 1997-2006



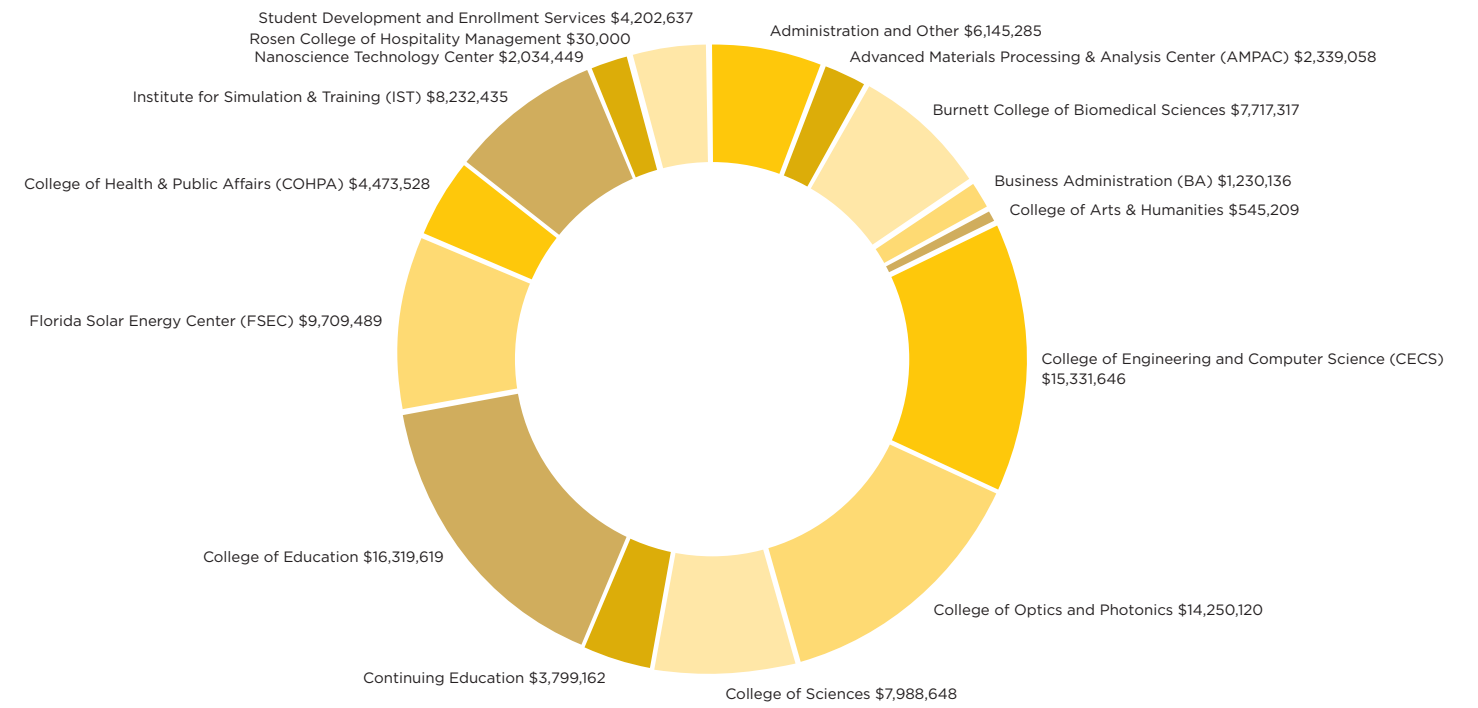
TOTAL FEDERAL AWARDS, 1997-2006



2006 SPONSORED RESEARCH PROGRAM AWARDS BY SPONSOR TYPE



RESEARCH AWARDS BY ACADEMIC UNIT 2006



AFOSR  
 Ahau Foundation  
 Air Force Agency for Modeling and Simulation  
 Alfred P. Sloan Foundation  
 Alion Science and Technology  
 Alion Science and Technology/Micro Analysis & Design Corporation  
 Alzheimer's Association  
 American Association of Critical-Care Nurses  
 American Association of University Women  
 American Cell Therapy Research Foundation  
 American Chemical Society/Petroleum Research Fund  
 American College Health Association  
 American Heart Association  
 APECOR  
 Applicote Associates  
 Army Research Institute (ARI) via NAVAIR Orlando T  
 ASRC Aerospace Corporation  
 ATI Research, Inc.  
 Bank of America Foundation  
 Battelle, Pacific Northwest Division  
 Baylor College of Medicine  
 Beef Information Center  
 Bersin & Associates  
 BioFlorida  
 Boulder Nonlinear Systems, Inc.  
 BP  
 Brevard County Board of Commissioners  
 Brevard County Natural Resources Mgt. Office  
 Bristol Myers Squibb Company  
 Brown & Caldwell  
 Bruce Wilcox, P.E.  
 Canon, Inc.  
 Cardiovascular Sciences, Inc.  
 Case Western Reserve University  
 Central FL Area Health Education  
 Central Florida Fair  
 CHI Systems, Inc.  
 CHI-MEI OPTOELECTRONICS  
 Children's Forum  
 Chorgen, Inc.  
 City of Orlando  
 Clarkson University  
 Clemson University  
 Computer Sciences Corporation  
 Cornell University  
 Cotswold Foundation  
 Defense Modeling and Simulation Office  
 DARPA  
 Dartmouth College  
 Devereux Florida Treatment Network  
 Disney Animal Kingdom  
 Disney Wildlife Conservation Fund  
 DRS Optronics, Inc.  
 Eagan, McAllister Associates, Inc.  
 Einstein Montessori School  
 Electrodynamics Associates, Inc.  
 Electronic Arts  
 Embry Riddle Aeronautical University  
 Emergency Medical Service Group, Inc.  
 Engineering and Computer Simulations, Inc.  
 Engineering Systems Solutions, Inc.  
 Environmental Research and Education Foundation  
 Epsilon Lambda Electronics  
 FAAST, Inc.  
 Federal Aviation Administration  
 Federal Aviation Administration Technical Center  
 Federal Bureau of Investigation  
 FEI Company  
 FL A&M University  
 FL Department of Agriculture  
 FL Department of Community Affairs

FL Department of Education  
 FL Department of Environmental Protection  
 FL Department of Health  
 FL Department of Revenue  
 FL Department of State  
 FL Department of Transportation  
 Florida Alliance for Student Service  
 Florida Association of Speech-Language Pathologist &  
 Audiologists Foundation, Inc.  
 Florida Atlantic University  
 Florida Exotic Pest Plant Council  
 Florida Hospital  
 Florida Humanities Council  
 Florida Institute of Phosphate Research  
 Florida Institute of Technology  
 Florida International University  
 Florida Power & Light  
 Florida Space Grant Consortium  
 Florida State University  
 Ford Motor Company  
 French American Fund for University Partnerships  
 Frey Research, LLC  
 Gal-EI (MMIC)  
 Gameday Management Group  
 Gencrest  
 General Dynamics  
 General Electric Company  
 George Mason University  
 Georgia Institute of Technology  
 Georgia Southern University  
 Georgia Tech Research Inst.  
 Harris Corporation  
 Healthy Start Coalition  
 Holden Heights Front Porch Revitalization Council, Inc.  
 Hubbs-Sea World Research Institute  
 Idaho National Engineering & Env. Laboratory  
 Imaging Sciences International, Inc.  
 InCharge Institute  
 Innovative American Technology Inc.  
 Intel Corporation  
 Intelligent Automation, Inc.  
 International Network for the Improvement of Banana  
 and Plantain (INIBAP)  
 Intersil Corporation  
 ITN Energy Systems  
 ITT Corporation  
 J.M. Huber Corporation  
 Jeff Householder & Company  
 Jet Propulsion Laboratory  
 John Hopkins University  
 Kellogg Foundation  
 Kent Optronics, Inc.  
 Kissimmee/Osceola County Chamber of Commerce  
 L3 Communications-Spacelift Range Systems  
 Laser Fare Advanced Technology Group  
 Lawrence Berkley National Labs  
 Lighthouse Central Florida, Inc.  
 Link Foundation  
 Lockheed Martin  
 Lockheed Martin Integrated Systems & Solutions  
 Lynntech, Inc.  
 M&M Systems, Inc.  
 M.C. Davis  
 ManTech Systems Engineering Corporation  
 Manufacture Housing Research Alliance  
 Marine Mammal Commission  
 Marquette University  
 Menon Associates  
 MetroOrlando Economic Development Commission  
 Michigan State University  
 Micro Analysis & Design

Minnesota Campus Compact  
 Missile Defense Agency  
 Mitsubishi Power Systems  
 MtronPTI, Inc.  
 Nadic Engineering Services, Inc.  
 Nanosource  
 NASA  
 NASA Headquarters  
 NASA Kennedy Space Center  
 NASA/GSRP  
 National Collegiate Inventors and Innovators Allia  
 National Consortium for Academics and Sports  
 National Institute of Justice  
 National Institute of Standards & Technology  
 National Institutes of Health  
 National Oceanic & Atmosph Adm (NOAA)  
 National Renewable Energy Lab  
 National Science Foundation  
 National Security Agency  
 National University of Ireland  
 National Writing Project  
 NAVAIR Orlando TSD  
 Naval Air Warfare Center Aircraft Division  
 North Dakota State University  
 Northrop Grumman Corporation  
 Nuonics, Inc.  
 Office of Naval Research  
 Office of the Attorney General  
 Optical Research Associates  
 OptiGrate  
 Optosensors Technology Inc.  
 Orange County  
 Orange County Government  
 Orange County Health & Family Services  
 Orange County Health Department  
 Orange County Public Schools  
 Orange County Sheriffs Department  
 Orlando Regional Healthcare Systems  
 Orlando-Orange County Expressway Authority  
 Pall Corporation  
 Palm Harbor Homes  
 Patrick Air Force Base  
 Pennsylvania State University  
 Peter Lowenthal  
 PETROBRAS  
 Philip Morris, Inc.  
 PICO Technologies  
 Plasma Processes, Inc.  
 Polar Bears International  
 Polk County  
 Prentke Romich Company (PRC)  
 Progress Energy  
 Protonex Technology Corporation  
 Quality Forensics, LLC  
 Quest, Inc.  
 Raytheon Company  
 RDECOM-STC  
 Research Foundation - SUNY  
 Research Foundation of UCF  
 Residential Energy Service Network, Inc.  
 Rini Technologies, Inc.  
 Rockwell Scientific  
 Rolls Royce Canada  
 RWD Technologies, Inc.  
 SAIC  
 Sandia National Labs  
 Sawtek, Inc.  
 Semiconductor Research Corporation  
 Seminole County  
 Sensormatic, Inc.  
 Siemens Westinghouse Power Corp

SISO, Inc.  
 Solar Rating & Certification Corporation  
 Sonalysts, Inc.  
 Southern Company Services  
 Space Photonics, Inc.  
 Space Telescope Science Institute  
 SPAWAR  
 Sporian Microsystem  
 St. Johns River Water Management Distrct  
 STRICOM (via NAWC)  
 SVT Associates  
 Symantec  
 TASC, Inc.  
 Technology Applications, Inc.  
 Telcordia Technologies  
 Texas A&M Research Foundation  
 The Eli & Edythe L. Broad Foundation  
 The Nature Conservancy  
 Tyco Fire and Security  
 UCF Foundation, Inc.  
 Unassigned  
 Unconventional Concepts, Inc.  
 United States Israel Binational Science Foundation  
 Universal Technology Corporation  
 Universities Space Research Association  
 University of Colorado  
 University of Florida  
 University of Florida-FCSHWM  
 University of Illinois at Chicago  
 University of Maine  
 University of Miami  
 University of Missouri  
 University of Pittsburgh  
 University of South Florida  
 University of Washington  
 University of West Florida  
 University of Wisconsin-Madison  
 US Air Force Research Lab  
 US Air Force-Joint Stars Test Force  
 US Army  
 US Army Corps of Engineers  
 US Army Research Institute  
 US Army Research Laboratory  
 US Army Research Office  
 US Civilian Research & Dev. Foundation  
 US Department of Agriculture  
 US Department of Agriculture Forest Service  
 US Department of Commerce  
 US Department of Education  
 US Department of Energy  
 US Department of Energy-NETL  
 US Department of Health & Human Services—PHS-HRSA  
 US Fish & Wildlife Service  
 US Geological Survey  
 US Marine Corps  
 US Naval Research Laboratory  
 US Virgin Islands Energy Office  
 Various  
 VDC Display Systems  
 Virginia Polytechnic Institute  
 VISIT FLORIDA  
 Volusia County Government  
 VRsonic, Inc.  
 Walt Disney World Co.  
 Weitzman Institute of Science  
 Welnia, LLC  
 Winter Park Health Foundation  
 WMFE  
 Woolpert, Inc.  
 Zaubertek, Inc.  
 Zyberwear, Inc.