

FY 2009-2010 Biomedical Research Grants Announced from Special Calls for Grant Applications

The Florida Department of Health is pleased to announce that 35 Florida scientists will receive research grants totaling over \$19.5 million beginning January 1, 2010. The larger than usual number of awards was made possible by a recent decision by the Florida Legislature to dedicate up to \$50 million of the state tobacco user fee increase to the James & Esther King Biomedical Research Program and the Bankhead-Coley Cancer Research Program in fiscal year (FY) 2009-2010.

The new awards were selected from 66 grant applications submitted in response to the FY 2009-2010 Special Calls for Grant Applications; 31 sought funding from the James and Esther King Biomedical Research Program and 35 applied for Bankhead-Coley Cancer Research Program grants. Submitted by Florida researchers from 12 institutions, the total funding requested was over \$36.9 million.

Between September and October, the Lytmos Group, Inc., arranged peer reviews of each application by independent subject matter experts from outside Florida. On November 18, 2009, the Biomedical Research Advisory Council met to review the merit scores and make funding recommendations to the State Surgeon General, who makes the final funding decisions. In keeping with past practice, Council members considered this information without knowledge of the identity of researchers and their institutions in order to prevent conflicts of interest. A complete list of projects selected for funding recommendation to the State Surgeon General is included along with this announcement.

Additional Program information is available on the Program website at www.floridabiomed.com. The Programs' annual reports are also valuable sources of Program information. The Lytmos Group can be contacted via e-mail at programsupport@floridabiomed.com and the Florida Biomedical Research Programs' e-mail is fbrp@doh.state.fl.us.

FY 2009-2010 Biomedical Research Grants Announced from Special Calls for Grant Applications

2009-2010 Special Call James and Esther King Program Grantees

RC1 Grants

Grantee	Institution	Title	Award Amount	Award Term
Steven C. Ames	Mayo Clinic	Integrated Intervention for Cigarette Smoking and Binge Drinking in Young Adults	\$ 716,453	Two Years
Antoni Barrientos	University of Miami	Slowing Degenerative Processes by Bolstering Cellular Bioenergetics	\$ 660,000	Two Years
Thomas Beaver	University of Florida	Does Nesiritide Provide Renal Protection by Attenuating the Inflammatory Response in Cardiac Surgery?	\$ 772,503	Two Years
Eric S. Bennett	University of South Florida	Regulated and Aberrant Glycosylation Modulate Cardiac Excitability	\$ 713,117	Two Years
John Bixby	University of Miami	Combination Therapy in SCI: Proof of Concept for New Compounds & Candidate Genes	\$ 663,262	Two Years
Michael Boulton	University of Florida	Targeting the Unfolded Protein Response as an Adjunct to Treatment of Ocular Neovascularization	\$ 650,422	Two Years
Anatole Martin	University of Florida	Inspiratory Muscle Strength Training in Ventilator-dependent Patients	\$ 684,484	Two Years
Nasreen Najmunnisa	University of Florida	Intratumoral Gene Therapy (ITGT) in Mouse Model for Lung Cancer	\$ 587,689	Two Years
Jatinder Palta	University of Florida	Ensuring Quality Care for Radiation Therapy Patients	\$ 740,838	Two Years
Adam Wanner	University of Miami	The Airway Microbiome in COPD	\$ 748,400	Two Years
Jang-Yen Wu	Florida Atlantic University	G-CSF, DETC-MeSO and Sulindac as Multi-drug Combination Therapy for TBI and Stroke Treatment	\$ 748,046	Two Years

Shared Instrument Grants

Grantee	Institution	Title	Award Amount	Award Term
Christopher Cogle	University of Florida	Fluorescence Activated Cell Sorter For Treatment of Tobacco-Related Diseases	\$ 238,595	One Year
Joshua Hare	University of Miami	Fixed-base Biplane Imaging Laboratory for Experimental Models and Preclinical Therapeutic Studies in Cardiovascular Diseases Caused by Tobacco	\$ 500,000	One Year
Alfred Lewin	University of Florida	Spectral Domain Instrumentation for Macular Degeneration Research	\$ 191,390	One Year
Mark McLaughlin	University of South Florida	Acquisition of a High-Throughput 500 MHz NMR for the Characterization of Potential Anti-Cancer and Anti Stroke Therapeutics (USF-HT-NMR)	\$ 498,000	One Year
Shyam Mohapatra	University of South Florida	4-D Live Cell Imaging System	\$ 499,994	One Year

FY 2009-2010 Biomedical Research Grants Announced from Special Calls for Grant Applications

Vincent Moy	University of Miami	Acquisition of a Nikon A1-R-SI Confocal Laser Microscope for an Integrated Confocal-AFM System	\$ 489,496	One Year
Matthias Salathe	University of Miami	Computer-Controlled Tobacco Smoke Delivery System for Cell Cultures	\$ 204,902	One Year

Technology Transfer/Commercialization Partnership Grants

Grantee	Institution	Title	Award Amount	Award Term
Stuti Dang	University of Miami	A Novel Fully Integrated Mobile Management Solution Using Cell Phone Technology for Heart Failure	\$ 99,999	One Year
Melvyn Tockman	H. Lee Moffitt Cancer Center & Research Institute	Centrosome Measurement in diagnosis and Prognosis of Lung Cancer; Validation and Optimization	\$ 100,000	One Year

2009-2010 Special Call Bankhead-Coley Program Grantees

RC1 Grants

Grantee	Institution	Title	Award Amount	Award Term
Lisa Baumbach	University of Miami	Defining Ethnic-Specific Transcriptional Differences in Breast Tissue	\$ 544,463	Two Years
John Copland	Mayo Clinic	New Thyroid Cancer Cell Lines - Comprehensive Molecular Characterization	\$ 651,180	Two Years
Benjamin Djulbegovic	University of South Florida	When are Clinical Trials Ethical for Both Future and Study Patients?	\$ 595,410	Two Years
Dorraya El-Ashry	University of Miami	Restoring ER Expression and Anti-Estrogen Response in ER-Negative Breast Cancer	\$ 607,587	Two Years
Daiqing Liao	University of Florida	Identification of Chemical Modulators of Histone Modifications through High-Throughput Screening	\$ 605,442	Two Years
W. Stratford May	University of Florida	The Role of PKR in Chronic Inflammation and Leukemogenesis	\$ 721,785	Two Years
Shyam Mohapatra	University of South Florida	Targeted Gene Therapy by SNAP Delivery Method for Treatment of Lung Cancer	\$ 710,792	Two Years
Subhra Mohapatra	University of South Florida	Nanohole Sensor-based Detection Technology for Cutaneous Metastatic Melanoma	\$ 621,696	Two Years
Jatinder Palta	University of Florida	Securing the Power of Interoperability in Radiation Oncology	\$ 639,667	Two Years
Alan Pollack	University of Miami	Prostate Cancer Imaging and Gene Therapy Delivery Using a Nanosphere Vector	\$ 764,456	Two Years
Alan Pollack	University of Miami	Genomic and Dosimetric Determinants of Radiotherapy Outcome in Prostate Cancer	\$ 884,621	Two Years
Li-Jun Yang	University of Florida	Generation of Pancreatic Islet Beta-cells from Patient-Specific, Viral-free, iPS Cells	\$ 702,877	Two Years

FY 2009-2010 Biomedical Research Grants Announced from Special Calls for Grant Applications

Shared Instrument Grants

Grantee	Institution	Title	Award Amount	Award Term
Richard Riley	University of Miami	L.S.R. Fortessa + H.T.S. Flow Cytometry Analysis System	\$ 492,334	One Year
Gregory Roth	Burnham Institute for Medical Research	HTS Using Affinity Selection Mass Spectrometry	\$ 331,035	One Year
Thomas Sellers	H. Lee Moffitt Cancer Center & Research Institute	Acquisition of the Illumina BeadXpress System for Bead Array Based Genotyping and Gene Expression Analysis	\$ 123,453	One Year