

**FLORIDA TECHNOLOGY, RESEARCH, AND SCHOLARSHIP BOARD
CENTERS OF EXCELLENCE RECOMMENDATIONS
FOR CONSIDERATION BY THE BOARD OF GOVERNORS
(With Lead Institution(s) Immediately Following Proposal Name)**

**Center of Excellence for Hurricane Damage Mitigation & Product Development
(HDMPD)
*Florida International University***

The HDMPD will develop and transfer to the commercial sector advanced and remedial measures for buildings through innovative building designs, materials and technologies. This first-of-its kind facility for full-scale destructive testing of residential and low-rise commercial structures will revolutionize building practices, saving the public billions of dollars and spearheading the commercialization of scientific advances. The requested funding amount was \$10,006,955.

The FTRSB recommendation is to fully fund the proposal at \$10,006,955.

**Florida Center for Advanced Aero-Propulsion (FCAAP)
*Florida State University***

Technology-driven changes in the next generation of air/spacecraft and the retirement of skilled workers threaten Florida's aerospace industry. FCAAP addresses these challenges by establishing a nexus of university resources, in collaboration with industry and government, for developing innovative technologies and enhancing Florida's aerospace education and training programs. The requested funding amount was \$14,570,225.

The FTRSB recommendation is to fully fund the proposal at \$14,570,225.

**Consortium for Integrated Nano-manufacturing Development (CIND)
*University of Florida***

UF proposes to join with nine of the top universities and colleges in the State of Florida to establish CIND, a permanent university/ industry consortium for nanotechnology that: collaborates with Florida industries to develop new nanotechnology products; creates new industry start-ups; and establishes a skilled nanotechnology workforce. The requested funding amount was \$20,000,000.

The FTRSB recommendation is to fully fund the proposal at \$20,000,000.

**Center of Excellence for Green Biotechnology (COEGB)
*University of Central Florida***

COEGB will provide global leadership in green biotechnology by establishing chloroplast bioreactors as a platform technology to produce low cost vaccines, biopharmaceuticals and industrial enzymes. University research will be advanced to the

commercial sector by utilizing the network of intellectual capital in Florida, leveraging new investment and strengthening industry partnerships in Florida. The requested funding amount was \$10,000,000.

The FTRSB recommendation is to fully fund the proposal at \$10,000,000.

Center of Excellence in Personalized Diagnostics for Cancer
H. Lee Moffitt Cancer Center & Research Institute

Moffitt is a national leader in the discovery, translation, and delivery of personalized cancer care with a visionary approach called Total Cancer Care. The proposed Center of Excellence seeks to accelerate and expand the scientific and translational capacity of Moffitt's strategic initiative in personalized cancer care to bridge the processes of cancer from molecular, to cellular, to individual patients, to populations in the development of advanced personalized diagnostic tests of risk and response to therapy. The requested funding amount was \$16,244,895.

The FTRSB recommendation is to partially fund the proposal at \$11,000,000.

Florida Imaging and Recognition Systems and Technology (FIRST) Center of Excellence
University of South Florida & University of Central Florida

The objective of FIRST is to transition the existing strengths at UCF and USF in imaging, pattern recognition, and sensor systems into engines for economic growth in the fields of security, healthcare, environmental monitoring, and entertainment, and train the next generation high technology workforce for emerging and existing industries. The requested funding amount was \$20,000,000.

The FTRSB recommendation is to partially fund the proposal at \$10,888,184.

Center for Research and Education in Applied Multifunctional Materials for Manufacture (CREAM³)
University of South Florida

CREAM³ is specifically directed at stimulating economic growth of high tech industry in the Tampa Bay region and the State of Florida, by the discovery and translation to market of materials "platforms" that simultaneously impact multiple industrial sectors. This has the potential of transformative changes in local and global economic development, and of addressing societal needs in areas as diverse as energy, communications, health, and national security. The requested funding amount was \$20,000,000.

The FTRSB recommendation is to partially fund the proposal at \$10,888,183.