

CASEY DESANTIS CANCER RESEARCH PROGRAM
Florida Cancer Innovation Fund Awardees
Fiscal Year 2023-24

Principal Investigator	Title of Project	Institution	Total Awarded
Michael Gubanov	Cancer SEARCH: a Novel Scalable Hybrid AI Information Retrieval System for Best Practices in Cancer Treatment and Care	Florida State University	\$599,990.00
Kiminobu Sugaya	Innovative Cancer Diagnosis Using Saliva-Derived Exosomes	University of Central Florida	\$348,592.00
Nicholas Panetta	Clinical Pathway Development for the Prevention, Early Detection and Treatment of Breast Cancer Related Lymphedema (BCRL)	University of South Florida	\$1,418,650.00
Elsa Flores	Targeting undruggable pathways	H. Lee Moffitt Cancer Center & Research Institute	\$1,000,000.00
Dung-Tsa Chen	Modernize Adverse Event (AE) Data to Develop Predictive AE Biomarkers for Fulfilling Oncological Precision Medicine	H. Lee Moffitt Cancer Center & Research Institute	\$1,066,277.00
Christian Poellabauer	Impact of Cancer Treatment on Autonomic Nervous System Function of Breast Cancer Patients	Florida International University	\$567,389.00
Keith Knutson	Neoantigen vaccines for triple negative breast cancer patients with residual disease after neoadjuvant therapy	Mayo Clinic	\$1,999,990.00
Stephane Roche	Discovery of PD1/PDL1-Targeted Antibody Mimics in the Treatment of Melanoma: An Efficient and Low-Cost Screening Technology.	Florida Atlantic University	\$347,194.00
Dae hyun Lee	Role of Inflammation in Cardiovascular Adverse Events after Anti-BCMA CAR-T Therapy	University of South Florida	\$165,840.00
Justice Mbizo	Northwest Florida Public Health Collaborative to Reduce Breast Cancer Disparities (NWF-CORD)	University of West Florida	\$895,905.60
Yousong Ding	Enhancing Cancer Diagnosis and Treatment through Innovative Glycan-Specific Protein Engineering	University of Florida	\$213,777.68
Jessica Childs-Disney	Developing Artificial Intelligence and Machine Learning Approaches to Identify and Optimize Small Molecule Medicines Targeting Oncogenic RNAs	The Herbert Wertheim UF Scripps Institute for Biomedical Innovation & Technology	\$750,000.00
Ilyas Sahin	Phase I study of NP-101 in patients with unresectable Hepatocellular Carcinoma (HCC) undergoing Y-90 Treatment	University of Florida	\$252,219.00
Yunqing Kang	Develop antibody protein-loaded nanoparticles/hydrogels for cancer immunotherapy	Florida Atlantic University	\$196,345.85
Heather Jim	Data Science to Improve Treatment Planning for Bladder Cancer Patients Treated with Radiotherapy	H. Lee Moffitt Cancer Center & Research Institute	\$796,153.00
Cody Wehrkamp	Identification of biomarkers for the early detection of pancreatic ductal adenocarcinoma (PDA)	Mayo Clinic	\$110,000.00
Albert Kim	Translational Regional Chemotherapy Strategy for Glioblastoma Treatment	University of South Florida	\$2,000,000.00
Seth Ablordeppey	Consortium for Drug Discovery, Optimization and Pipelining to Clinical Trial	Florida A&M University	\$868,589.00
Steven Eschrich	Large-Language Models for Enabling Ubiquitous Access to Cancer Clinical Trials	H. Lee Moffitt Cancer Center & Research Institute	\$239,166.00

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Darlah Lopez	Development of Myeloid-targeted immunotherapy to treat Breast Cancer	149 Bio LLC	\$749,972.00
Cameron Tebbi	Induction of childhood acute lymphoblastic leukemia in a humanized murine model to evaluate preventive vaccination using products of mycovirus-containing <i>Aspergillus flavus</i>	1 Voice Foundation/ Moffitt Cancer Center	\$198,541.00
Paul Okunieff	Using Plasma DNA Concentration [DNA] for Early Detection of Treatment Response and Resistance	University of Florida	\$1,032,869.00
Maryam Rahman	Unleashing the power of mRNA for treatment of malignant brain tumors using novel vaccine construct	University of Florida	\$737,968.00
Jeonghyun Ahn	Autologous Cell-Therapy Utilizing STING agonist for Breast Cancer.	University of Miami	\$608,134.00
Anamika Prasad	Enabling Technologies for 3D Printed Bone Reconstruction for Bone Defects Post Tumor Resection	Florida International University	\$497,108.00
Wei-Chiang Lin	Handheld Multimodal Device for Precision Skin Cancer Screening	Florida International University	\$104,545.00
Manmeet Ahluwalia	Phase 1 Trial of Trastuzumab Deruxtecan (T-Dxd) with Stereotactic Radiosurgery (SRS) in Patients with Brain Metastases from HER-2 Positive Breast Cancer	Miami Cancer Institute - Baptist Health South Florida	\$984,940.64
Nezamoddin Kachouie	A Shared Geospatial Artificial Intelligence Cancer Treatment Recommender System for Optimal Outcome	Florida Institute of Technology	\$344,422.00
Konan Kanga	Targeting DNA repair pathways to treat BRCA mutant breast and ovarian cancers	Florida State University	\$175,288.00
Bruno Bastos	Minorities participation in phase I oncology clinical trials	Miami Cancer Institute - Baptist Health South Florida	\$331,720.00