

## 2025 ROSF AWARDS

PI Name	PI-College	CoPI Names	CoPI Colleges	Title	Amount Awarded
Jing Pan	HWCOE	Clayton Mathews, Thomas Angelini	CVM, HWCOE	Precision Organoid Biomanufacturing with Integrated Bioanalytical Technology	\$98,000.00
Wenjun Xie	COP	Matthew S Gentry, Craig W Vander Kooi	COM, COM	Leveraging Generative AI to Advance Enzyme Replacement Therapy for Lafora Disease	\$97,584.48
Raquel Dias	IFAS	Jada Lewis	CVM	AI-Driven Discovery of Novel Mutations Implicated in Alzheimer's Disease Pathogenesis	\$84,706.89
Andrew Judge	PHHP	Karyn Esser	COM	Impact of circadian disruption on cancer-induced cachexia	\$97,751.08
Thomas Kodadek	Scripps	Thomas George	COM	Discovery of Pancreatic Cancer-Specific Antibodies and Antigens	\$96,040.00
Catalin Voiniciuc	IFAS	Wenjun Xie	COP	Generative AI and SynBio to Enhance Plant Mannanases and Seed Traits	\$97,825.56
Svetlana Folimonova	IFAS	Artem Nemudryi	COM	Programmable RNA targeting for curing RNA virus infections and biotechnology applications in plants	\$98,000.00
Marcio Ribeiro De Resende	IFAS	Barry Byrne	COM	Sweet Corn Phytoglycogen, a natural polymer with biomedical application to stabilize gene therapy drugs.	\$97,647.20
Leighton Elliott	COM	Carlos Rinaldi-Ramos	HWCOE	Advancing the field: complexing superparamagnetic iron oxide nanoparticles with a novel lipid particle aggregate mRNA vaccine for localization and immunotherapy response assessment	\$90,160.00
Sergio Duarte	COM	Piyush Jain	HWCOE	Development of a CRISPR-Cas12a Based Test for Rapid Point-of-Care Quantitation of Soluble DNA in Machine Perfused Kidney Allografts	\$96,040.00
Haesuk Park	COP	Yi Guo	COM	Surveillance for Hepatocellular Carcinoma with Artificial Intelligence Risk-Stratified Processes (SHARP)	\$97,992.16
Jingchuan Pu	COB	Md Mahmudul Hasan	COP	Unveiling Bias in Human-Machine Learning Collaboration and Developing a Physician-Augmented Prediction Model	\$93,933.00
Luiz Fernando Wurdig Roesch	IFAS	Orlando Laitano, Brent Sumerlin	HHP, CLAS	Synthetic Mucin for Preventing Gut Permeability and Inflammation	\$98,000.00
Vivian Wong	DCP	Shabboo Valipoor, Consuelo Kreider, Jenna Gonzalez, Deepthi Varma	DCP, PHHP, COE, PHHP	Sensing for Empathetic Built Environments: Improving Wheelchair Accessibility and Inclusiveness on Campus through Data-Driven Analyses	\$85,229.62