

Funding - UMCCTS Pilot Funding Opportunities

Pilot Opportunity (eligible campuses)	Start Date	Funding Source(s)	# Awards Made	Follow-on Funding (# new awards)
PPP (UMMS, others w/campus match)	2007	CTSA grant, UMMS	56	\$45.5M (34)
LSMF (all UMass campuses)	2009	Five UMass campuses	34	\$25M (18)
NHMPP/IND Launch (UMMS, MBL)	2012	CTSA grant, MassBiologics UMMS	18	\$3.4M (7)
Med Device Innovations (UMMS, UML)	2017	UMMS, UML	3	New
Riccio Fund for Neuroscience (UMMS)	2018	CTSA Grant, Private Donor	1	New
Small Conference Grants (all UMass)	2014	UMass Campuses	5	\$2.4M (2)
SPARK Vouchers (all UMass)	2016	CTSA grant, UMMS	4	\$0.1M (1)
UMCCTS-Voyager (UMMS)	2014	Voyager Therapeutics	7	\$2.1M (1)
Pfizer CTI (UMMS)	2014	Pfizer	1	\$0 (0)
Diabetes Innovation Challenge (all UMass)	2016	UMass, Industry, Foundations	6	\$2M (1)
Rays of Hope Breast Cancer Grants (UMMS, Baystate, UMA)	2017	UMMS, Rays of Hope Foundation	4	New

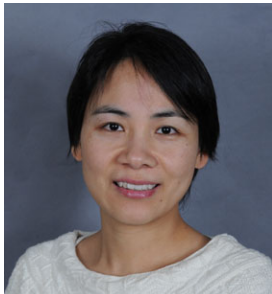
(Highlights for Funding)



Gang Han, PhD, Professor, Pilot Awardee: Dr. Han's research focuses on developing and using nanoparticles and photodynamic therapy to treat certain cancers. A recent article in *Cell* described his work inducing near-infrared image vision in mice. Dr. Han was recently awarded a DoD Idea Award entitled "Photoregulated Immunotherapy" to explore inorganic upconversion nanoparticles towards effective cancer therapy. In addition, he received an NIH Innovative Research in Cancer Nanotechnology R01 award (R01CA232017) to study nanoparticles as immunotherapy for B Cell lymphoma.



John P. Haran, MD: Pilot Awardee. Intestinal microbiome modeling to predict *Clostridium difficile* colonization in elderly hospitalized patients. Dr. Haran is interested in reducing the incidence of *Clostridium difficile* infection and colonization among nursing home residents, community dwelling elders, and hospitalized elders. UMCCTS K Club support helped Dr. Haran successfully apply for K (K23AG057790) and RO3 funding. A UMCCTS Pilot Award supports Dr. Haran's investigation of the Microbiota-Gut-Brain Axis in Alzheimer's Disease, with studies being conducted in nursing homes across central Massachusetts.



Ling Shi, PhD, Assoc. Professor, Department of Nursing, UMass Boston received funding through the Life Sciences Moment Fund (LSMF) to study the effects of soy protein and isoflavone supplementation for improved glucose metabolism and lipid profiles in pregnant women at high risk for gestational diabetes mellitus (GDM). This research informed an R01 application focused on plant based dietary interventions to improve cardiometabolic health. Leveraging lessons learned in team science and mentorship, she is currently serving as PI on an R25 grant (R25HD090723) designed to promote research development of UMass Boston undergraduates from several disciplines.