

## FY20 SACT Collaborative Research Grant PRE-APPLICATION FORM

SOUTH CAROLINA RESEARCH AUTHORITY (SCRA) SOLICITATION NAME			DATE SUBMITTED
SACT Collaborative F	Research Grant		
NAME OF LEAD INSTITUTION		RATING INSTITUTION(S)	
	A minimum of one colla	aborating institution of higher	education is required.
TITLE OF PROPOSED PROJECT			
ABSTRACT			
Provide a non-confidential, high-level description	of the proposed project.	the points of novelty, and the	e significance of the project results. Do
not assume detailed knowledge in the field at this	s early stage of the applic	cation process. Maximum 2,0	000 characters.
REQUESTED SCRA AWARD	PROPOSED COST SHARE		TOTAL PROJECT AMOUNT
\$	\$		\$
PERFORMANCE PERIOD (30-36 MONTHS)			
		MONTHS	
NAME		INSTIT	UTION/ORGANIZATION
PI Co-PI			
Co-PI			
CO-F1			
		OVAL FOR SUBMISSION	
NAME OF INSTITUTION REPRESENTATIVE	AND DEPARTMENT	SIGNATURE OF	INSTITUTION REPRESENTATIVE
EMAIL ADDRESS			DATE

## SCOPE (MAY SELECT MORE THAN ONE)

MEDICAL DEVICE: Diagnostics (In Vitro/Molecular, Biosensors, Imaging)

MEDICAL DEVICE: Digital Health and Analytics (Device Software Functions, Health It, Medical Device Data Systems, Medical Device Interoperability, Software As A Medical Device/SaaMD, Telemedicine, Wireless Medical Devices)

MEDICAL DEVICE: Subspecialties - Cardiovascular, Chronic Disease Management (metabolic diseases, respiratory diseases),

Neurology/Brain Injury, Orthopedics, Pain Management, Respiratory, Women's Health

REGENERATIVE MEDICINE: Bioprinting/Production (Cells, Tissues, Organs, Substrates for all)

BIOREPOSITORY: State-wide biorepository for patient samples

INDUSTRY 4.0: Logistics/Risk Management/Supply Chain Management (must involve Industry 4.0 concepts)

INDUSTRY 4.0: Smart Data and Cloud Computing for Manufacturing (Future Cyber-Physical Manufacturing Research)

INDUSTRY 4.0: IIoT - Creation of Innovations including Smart Products, Smart Production Systems, Smart Factories, and Smart

Logistics running in a decentralized and dynamic fashion

CYBERSECURITY: Information Security and Adaptive Incident Analysis

CYBERSECURITY: Cybersecurity of Real-Time Manufacturing and Industrial Processes

CYBERSECURITY: Innovative Security and Access Solutions for Healthcare

CYBERSECURITY: Software Technology That Helps Solve Human Behavior Problems

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Projects must be beyond basic science to explore potential commercial applications	s. The technology must have the potential to solve a real-world
problem as a commercial product. Maximum 2 000 characters	

## LIST CURRENT AND POTENTIAL FUTURE INDUSTRY COLLABORATIONS

	COMPANY NAME/LOCATION	EXISTING/CURRENT ENGAGEMENT	POTENTIAL FUTURE ENGAGEMENT
1.			
2.			
3.			
4.			
5.			
6.			

ADDITIONAL COMMENTS (OPTIONAL):

## POTENTIAL UTILITY FOR SC-BASED SECTORS

Explain how the technology can be utilized by SC-based industrial sectors. Maximum 1,000 characters.

USE OF FUNDS  Describe how the Total Project Amount funds will be used in Years 1, 2, and 3. Maximum 2,500 characters.					
YEAR 1 EST	TIMATED SPEND	YEAR 2 ESTIMATED SF	SPEND YEAR 3 ESTIMATED SPEND		
\$		\$		\$	
MILESTONES  Describe the	S & DELIVERABLES FOR YEARS 1	, <b>2, and 3</b> ar of the project and its ass	sociated Deliverable. Deliv	erables must be specific and measurable	<u></u> е.
	MILESTON			DELIVERABLE	
END OF YEAR 1					
END OF					
YEAR 2					
END OF					
YEAR 3					
ADDITIONAL	COMMENTS (OPTIONAL):				
DO YOU NEE	D ASSISTANCE WITH IDENTIFYIN	G POTENTIAL MATCHING	G FUNDS SOURCES?		
<ul><li>NO</li><li>YES (Please provide additional information about your needs below)</li></ul>					
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