

Fiscal Year:	FY 2019	Task Last Updated: FY 06/10/2019	
PI Name:	Gu, Jian Ph.D.		
Project Title:	Human-centered Design Augmentation of the Vertical Flow Paper-based Health Monitoring Platform		
Division Name:	Human Research		
Program/Discipline:			
Program/Discipline--Element/Subdiscipline:	TRISH--TRISH		
Joint Agency Name:		TechPort:	No
Human Research Program Elements:	None		
Human Research Program Risks:	None		
Space Biology Element:	None		
Space Biology Cross-Element Discipline:	None		
Space Biology Special Category:	None		
PI Email:	jgu10@email.arizona.edu	Fax:	FY
PI Organization Type:	UNIVERSITY	Phone:	602-827-5950
Organization Name:	University of Arizona		
PI Address 1:	475 N. 5th Street		
PI Address 2:			
PI Web Page:			
City:	Phoenix	State:	AZ
Zip Code:	85004	Congressional District:	7
Comments:			
Project Type:	GROUND	Solicitation / Funding Source:	TRISH--Synergy
Start Date:	03/01/2019	End Date:	02/29/2020
No. of Post Docs:		No. of PhD Degrees:	
No. of PhD Candidates:		No. of Master' Degrees:	
No. of Master's Candidates:		No. of Bachelor's Degrees:	
No. of Bachelor's Candidates:		Monitoring Center:	TRISH
Contact Monitor:		Contact Phone:	
Contact Email:			
Flight Program:			
Flight Assignment:			
Key Personnel Changes/Previous PI:			
COI Name (Institution):	Zenhausern, Frederic Ph.D. (University of Arizona College of Medicine)		
Grant/Contract No.:	NNX16AO69A-SYN0005		
Performance Goal No.:			
Performance Goal Text:			
Task Description:	<p>Synergy Project</p> <p>This project aims to augment the current Translational Research Institute for Space Health (TRISH) Vertical Flow Paper-based Platform project (Principal Investigator: Frederic Zenhausern) through a human-centered design working in microgravity, including sample preparation modules for gene expression based health monitoring, which will be housed inside the CubeLabs from Space Tango.</p>		
Rationale for HRP Directed Research:			
Research Impact/Earth Benefits:			

Task Progress:	New project for FY2019.
Bibliography Type:	Description: (Last Updated:)