Animabile page Strake Detection with Deep Learning und Reinful Jung 2000 Animabile page Strake Detection with Deep Learning und Reinful Jung 2000 Program/Disciption: Koinabile page Strake Detection with Deep Learning und Reinful Jung 2000 Program/Disciption: Research Non Program/Disciption: Non Non State	Fiscal Year:	FY 2020	Task Last Updated:	FY 07/23/2020
Projemu Dickjolne: Program Dickjolne: Program Dickjolne: Program Dickjolne: Ranka Research Program Dickjolne: Rank Agency Name: Indra Agency Name: Noa Space Biology Stepical Catogory Noa Space Biology Stepical Catogory Noa Space Biology Stepical Catogory Noa P1 Organization Type: UNVERSITY Noa Catogory Pinne: Nobo Instruction Mathewich School of Biomedical Informatics (SBMI) P1 Address 1: Catter for Procession Haulth, School of Biomedical Informatics (SBMI) P1 Address 1: P1 Address 1: P2 Ground Catogory P1 Address 1:	PI Name:	·		
	Project Title:	Actionable Deep Space Stroke Detection with Deep Learn	ning and Retinal Imaging	
Pageam BudginghesIRSH-IRISHBlank Ageensy TawaNaBlank Ageensy TawaNaHuman Research Program RiskoNaSpace Biology ChemosNaSpace Biology ChemosNaBord ChemosNaSpace Biology ChemosNaSpace Biology ChemosNaSpace Biology ChemosNaPhonaineNaPhonaineNaPhonaineNaPhonaineNaPhonaineNaPhonaineNaPhonaineNaPhonaineNaPhonaineNaPhonaineCenter forecision Hadith Science Center at HouseonPhonaineNaPhonaine All Logy ChemosTomPhonaineCenter forecision Hadith, School of Biomedical Informatics (SBMI)PhonaineCenter forecision Hadith, School of Biomedical Informatics (SBMI)PhonaineTomPhonaineTomPhonaineTomPhonaineTomPhonaineTomSpace Biology ChemosSpace Biology ChemosPhonaineTomSpace Biology ChemosSpace Biology ChemosPhonaineTomSpace PhonaineSpace Biology ChemosSpace PhonaineSpace Biology ChemosSpace PhonaineSpace Phona	Division Name:	Human Research		
Element/Sublicipline: INSM-FIRISM Joint Ageny Name: Tech Port: No Human Research Program Element: None	Program/Discipline:			
Non- None Human Research Program Risks: None Space Biology Element: None Space Biology Special Category: None Organization Name: Text spinoerndorginthme.edu Fax: PI Donganization Name: Text Spinoerndorginthme.edu Fax: PI Address 1: Center for Precision Itealth Science Center at Houston Iteat PI Address 2: 7000 Famin St, #1200 Iteat PI Address 2: 7000 Famin St, #1200 Congressional District: PI Organization Name: Toroganization State: TX Comments: TX Spice Flachther Project Type: foroand Solicitatin/ Plantifistional Research Advances for Space Flachther Start Date: 0.401/2020 End Date 303/12022 No. of Pab Docs: No. of Master' Degrees: Solicitation' Research Advances for Space Flachther No. of Pab Docandidates: <td< td=""><td>Program/Discipline Element/Subdiscipline:</td><td>TRISHTRISH</td><td></td><td></td></td<>	Program/Discipline Element/Subdiscipline:	TRISHTRISH		
Human Research Program Riskie:NoneSpace Biology Cross-ElementNoneSpace Biology Cross-ElementNoneSpace Biology Special Category:NonePI Conganization Type:NonePI Conganization Type:UNIVERSITYPI Organization Type:UNIVERSITYPI Address 1:Center for Precision Health Science Center at HoustonPI Address 2:1000 Famin St, #1200PI Address 2:000 Famin St, #1200PI Veb Page:Tage Congressional District:PI Veb Page:Tage Congressional District:Project 1:1000 Famin St, #1200Project 2:7030Congressional District:9Contract 5:1001/2020Project Type:GroundGroundSolicitation / Punding Source:No. of Phot Decres:0401/2020No. of Master' Degree:0401/2020No. of Master' Degree:10312021No. of Master' Degree:10312021No. of Master' Degree:113511No. of Master' Degree:1135111No. of Master' Degree:<	Joint Agency Name:		TechPort:	No
Space Biology Element: None Space Biology Special Category: None Ple mail: Incergenerandoritoth time defin Fr. Pl Email: Incergenerandoritoth time defin Fr. Pl Conguization Type: UNIVERSITY Ploor: 75.500-3609 Organization Type: UNIVERSITY Ploor: 75.500-3609 Organization Type: Center for Precision Health, School of Biomedical Informatics (SBMI)	Human Research Program Elements:	None		
Space Biology Cross-Element DisciplingNoneSpace Biology Special Category:NoneSpace Biology Special Category:NonePle Innal:Iges inguardro%/uh. Imc.eduFa:FYPle Innal:Iges inguardro%/uh. Imc.eduFa:FYPl Organization Type:UNVERSITYPhone:713-500-3609Organization Name:Tell University of Texas Health Science Center at Houston	Human Research Program Risks:	None		
Discipline: None Space Biology Special Category: None PI Email: Low grimendo/dultine edu Fax: FY PI Organization Type: UNVERSITY Phone: 713-500-3609 Organization Type: The University of Texas Health Science Center at Houston Phone: 713-500-3609 PI Address 1: Center for Precision Health, School of Biomedical Informatics (SBMI) Texas FC PI Address 1: Center for Precision Health, School of Biomedical Informatics (SBMI) Texas FC PI Address 1: Center for Precision Health, School of Biomedical Informatics (SBMI) FC FC PI Address 1: Center for Precision Health, School of Biomedical Informatics (SBMI) FC FC PI Address 1: Center for Precision Health, School of Biomedical Informatics (SBMI) FC FC Pi Address 1: Mouston State TX FC Cip Code: 7030 Congressional Distric it Precision Precision Health, School of School for Spore: Foothio Source Source Source Foothio Source Source Source Foothio Source FC Project Type: Ground Source Southio Source<	Space Biology Element:	None		
PI Enail:Ice sincerdo@ub thruceduFrPI Conguization Type:UNIVERSITYYea31-500-3609Organization Name:Genter for Precision Health Science Center at HoustonSectorPI Address 1:Center for Precision Health Science Center at HoustonSectorPI Address 2:Oto Franin St, #1200SectorPI Web Page:SectorSectorCityMoustonSetorPI GondiaTo 30Congressional DistorApple ConguestonSectorSectorSpriget Type:GroundGenageProject Type:GroundSectorSectorSolicitation / PundingSectorNo. of Post Does:For space The Advances PostereSectorNo. of Post Does:SectorSectorNo. of Post Does:Sector </td <td>Space Biology Cross-Element Discipline:</td> <td>None</td> <td></td> <td></td>	Space Biology Cross-Element Discipline:	None		
Instrume Provention of the University of Texas Health Science Center at Houston 713-500-3609 PI Organization Name: Fue University of Texas Health Science Center at Houston Image: Center for Precision Health, School of Biomedical Informatics (SBMJ) Image: Center for Precision Health, School of Biomedical Informatics (SBMJ) Image: Center for Precision Health, School of Biomedical Informatics (SBMJ) Image: Center for Precision Health, School of Biomedical Informatics (SBMJ) Image: Center for Precision Health, School of Biomedical Informatics (SBMJ) Image: Center for Precision Health, School of Biomedical Informatics (SBMJ) Image: Center for Precision Health, School of Biomedical Informatics (SBMJ) Image: Center for Precision Health, School of Biomedical Informatics (SBMJ) Image: Center for Precision Health, School of Biomedical Informatics (SBMJ) Image: Center for Precision Health, School of Biomedical Informatics (SBMJ) Image: Center for Precision Health, School of Biomedical Informatics (SBMJ) Image: Center for Precision Health, School of Biomedical Informatics (SBMJ) Image: Center for Precision Health, School of Biomedical Informatics (SBMJ) Image: Center for Precision Health, School of Biomedical Informatics (SBMJ) Image: Center for Precision Health, School of Biomedical Informatics (SBMJ) Image: Center for Precision Health, School of Biomedical Informatics (SBMJ) Image: Center for Precision Health, School of Biomedical Informatics (SBMJ) Image: Center for Precision Health, School of Biomedical Informatics (SBMJ) Image: Center for F	Space Biology Special Category:	None		
Organization Name: The University of Texas Health Science Center at Houston PI Address 1: Center for Precision Health, School of Biomedical Informatics (SBMI) PI Address 2: 7000 Fannin St, #1200 PI Web Page: TX City: Houston State: Zip Code: 7030 Congressional District: 9 Comments: State: Tamalational Research Tamalational Research Project Type: Ground Ground Solicitation/ Fundig Scientification and a consection of the section of	PI Email:	luca.giancardo@uth.tmc.edu	Fax:	FY
PI Address 1: Center for Precision Health, School of Biomedical Informatics (SBMI) PI Address 2: 7000 Fannin St, #1200 PI Web Page: TX City: Houston State: Type: Type: Type: Comments: 9 Project Type: Ground Solicitation / Funding Institute for Space Health Source: Start Date: 0401/2020 End Date: 03/31/2022 No. of Post Docs: No. of PhD Degrees: Solicitation / Euclidiantes: No. of Bachelor's Candidates: Solicitation / Euclidiantes: Solicitation / Euclidiantes: No. of Bachelor's Candidates: Contact Phone: Solicitation / Euclidiantes: Flight Assignment: Contact Phone: Solicitation / Euclidiantes: Flight Assignment: Solicitation / Euclidiantes: Solicitation / Euclidiantes: Contact Monitor: Contact Phone: Solicitation / Euclidiantes: Flight Assignment: Solicitation / Euclidiantes: Solicitation / Euclidiantes: Contact Fundi: Solicitation / Euclidiantes: Solicitation / Euclidiantes: Contact Fundi: Solicitation / Euclidiantes: Solicitation / Euclidiantes: Contact Fun	PI Organization Type:	UNIVERSITY	Phone:	713-500-3609
PI Address 2:7000 Famin St, #1200PI Web Page:Item StateTXCity:HoustonTXZip Code:7030Congressional District:9Comments:Item StateSolicitation / FundingProject Type:GroundSolicitation / FundingInstitute for Space Health Research Advances for SpaceStart Date:0401/2020End Date0/31/2022No. of PAb Degres:Item StateItem StateNo. of PAb Degres:Item StateItem StateNo. of Master's Candidates:No. of Master' Degrees:Item StateContact Monitor:Contact Phone:Item StateFight Assignment:Item StateItem StateFight Assignment:StateStateCol Name (Institution):Shenga MuD. (Balypor College of Medicine, Inc.)Col Name (Institution):Shenga MuD. (Balypor College of Medicine, Inc.)Grant/Contract No.NN16A069A-T0502Item StatePerformance Goal No.:Item StateItem StatePerformance Contact No.Shenga MuD. (College of Medicine, Inc.)Item StateState Contact No.Shenga MuD. (College of M	Organization Name:	The University of Texas Health Science Center at Housto	n	
PWeb Page: City: Houston State: TX Zip Code: 7030 Congressional Distric: 9 Comments:	PI Address 1:	Center for Precision Health, School of Biomedical Inform	natics (SBMI)	
City:HoustonStateTZip Code:7030Congressional Distroi9Comments:Solicitation Paras2020 TRISH BRASH1901: Tanalational Research Distribution for Spoore Delbach Advances for Spour2020 TRISH BRASH1901: Tanalational Research Distribution for Spoore Delbach Advances for SpourStart Date:600udEnd Date03/3/2022No. of Pob Docs:No. of PhD Degrees:No. of PhD Candidates:No. of Master' Degrees:No. of Master's Candidates:Solicitation's Degrees:Contact MonitoricContact PhoneFight Program: </td <td>PI Address 2:</td> <td>7000 Fannin St, #1200</td> <td></td> <td></td>	PI Address 2:	7000 Fannin St, #1200		
Zip Code:77030Congressional Distric:9Comments:2020 TRISH BRASH1901: Translational Research Institute for Space Health (ThisD) Biomedical Research Institute for Space Health (ThisD) Biomedical Research Advances for Space HealthProject Type:04/01/2020End Date:03/31/2022Start Date:04/01/2020End Date:03/31/2022No. of Post Docs:To 2000End Date:03/31/2022No. of Post Docs:No. of Master' Degrees:Image: Contract PolyNo. of Master's Candidates:No. of Master' Degrees:Image: Contract PolyNo. of Bachelor's Candidates:Contract Monitoring Center:TRISHContact Monitor:Contract PolyTRISHContact Monitor:Contract PolyImage: Contract PolyFlight Program:Image: Contract PolyImage: Contract PolyFlight Assignment:Image: Contract PolyImage: Contract PolyKey Personnel Changes/Previous PI:Image: Contract PolyImage: Contract PolyColl Name (Institution):Channa, Roomasa M.D. (Baylor College of Medicine, Inc.) Sheh, Sunil M.D. (University of Texas Health McGovern Medical School)Image: Contract PolyGrant/Contract No.:NNX16AO69A-T0502Image: Contract PolyImage: Contract PolyGrant/Contract No::Image: Contract PolyImage: Contract PolyImage: Contract PolyGrant/Contract No::Image: Contract PolyImage: Contract PolyImage: Contract PolyGrant/Contract No::Image: Contract PolyImage: Contract PolyImage: Contract Poly <t< td=""><td>PI Web Page:</td><td></td><td></td><td></td></t<>	PI Web Page:			
Comments: Comments: Project Type: Project Type:	City:	Houston	State:	TX
Project Type:Ground2020 TRISH BRASH1901: Translational Research Institute for Space Health (TRISH) Biomedical Research Advances for Space HealthStart Date:04/01/2020End Date:0/31/2022No. of PhD Degrees:No. of PhD Degrees:Image: Space SpaceNo. of PhD Candidates:No. of Master' Degrees:Image: SpaceNo. of Master's Candidates:No. of Master' Degrees:Image: SpaceNo. of Master's Candidates:Image: SpaceImage: SpaceNo. of Bachelor's Candidates:Image: SpaceImage: SpaceSpaceImage: SpaceImage: SpaceIm	Zip Code:	77030	Congressional District:	9
Project Type:GroundSolicitation / Souge:Sinitiation / Souge: A solicitation / Souge:Sinitiation / Souge: A solicitation / Souge:Start Date:0401/2020End 00031/2022No. of Post Does:No. of PhD Degres:031/2022No. of PhD Candidates:No. of Master's Degres:1No. of Master's Candidates:No. of Master's Degres:1No. of Master's Candidates:No. of Bachelor's Degres:1No. of Bachelor's Candidates:You for the program:Total solicitation / Solicitat	Comments:			
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: Contact Phone: Flight Program: Flight Assignment: Key Personnel Changes/Previous PI: Contact Sequence of Medicine, Inc.) Col Name (Institution): Channa, Roomasa M.D. (Baylor College of Medicine, Inc.) Grant/Contract No.: NNX16A069A-T0502	Project Type:	Ground		Translational Research Institute for Space Health (TRISH) Biomedical Research Advances for Space
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: Contact Phone: Flight Program: Flight Assignment: Key Personnel Changes/Previous PI: Contact Second Monitor: COI Name (Institution): Channa, Roomasa M.D. (Baylor College of Medicine, Inc.) Sheth, Sunil M.D. (University of Texas Health McGovern Medical School) Grant/Contract No.: NNX16A069A-T0502	Start Date:	04/01/2020	End Date:	03/31/2022
No. of Master's Candidates: No. of Bachelor's Degrees: No. of Bachelor's Candidates: Monitoring Center: TRISH Contact Monitor: Contact Phone: Contact Email: Contact Phone: Flight Program: Flight Assignment: Flight Assignment: Flight Assignment: Col Name (Institution): Channa, Roomasa M.D. (Baylor College of Medicine, Inc.) Grant/Contract No.: NNX16AO69A-T0502	No. of Post Docs:		No. of PhD Degrees:	
No. of Bachelor's Candidates: Monitoring Center: TRISH Contact Monitor: Contact Phone: Contact Email: Contact Phone: Flight Program: Image: Contact Phone Provide Pro	No. of PhD Candidates:		No. of Master' Degrees:	
Contact Monitor: Contact Phone: Contact Email: Contact Phone: Flight Program: Flight Assignment: Flight Assignment: Flight Assignment: Key Personnel Changes/Previous PI: Contact Phone: COI Name (Institution): Channa, Roomasa M.D. (Baylor College of Medicine, Inc.) Sheth, Sunil M.D. (University of Texas Health McGovern Medical School) NNX16AO69A-T0502 Performance Goal No.: Flight Assignment:	No. of Master's Candidates:		No. of Bachelor's Degrees:	
Contact Email: Flight Program: Flight Assignment: Key Personnel Changes/Previous PI: COI Name (Institution): Channa, Roomasa M.D. (Baylor College of Medicine, Inc.) Sheth, Sunil M.D. (University of Texas Health McGovern Medical School) NNX16AO69A-T0502 Performance Goal No.:	No. of Bachelor's Candidates:		Monitoring Center:	TRISH
Flight Program: Flight Assignment: Key Personnel Changes/Previous PI: COI Name (Institution): Channa, Roomasa M.D. (Baylor College of Medicine, Inc.) Sheth, Sunil M.D. (University of Texas Health McGovern Medical School) Grant/Contract No.: NNX16AO69A-T0502	Contact Monitor:		Contact Phone:	
Flight Assignment: Key Personnel Changes/Previous PI: COI Name (Institution): Channa, Roomasa M.D. (Baylor College of Medicine, Inc.) Sheth, Sunil M.D. (University of Texas Health McGovern Medical School) Grant/Contract No.: NNX16AO69A-T0502 Performance Goal No.: Vertor Medical School (School)	Contact Email:			
Key Personnel Changes/Previous PI: COI Name (Institution): Channa, Roomasa M.D. (Baylor College of Medicine, Inc.) Sheth, Sunil M.D. (University of Texas Health McGovern Medical School) Grant/Contract No.: NNX16AO69A-T0502 Performance Goal No.: Vertor Medical School (Medicine, Inc.)	Flight Program:			
COI Name (Institution): Channa, Roomasa M.D. (Baylor College of Medicine, Inc.) Sheth, Sunil M.D. (University of Texas Health McGovern Medical School) Grant/Contract No.: NNX16AO69A-T0502 Performance Goal No.: Vertice	Flight Assignment:			
Grant/Contract No.: NNX16AO69A-T0502 Performance Goal No.: NNX16AO69A-T0502	Key Personnel Changes/Previous PI:			
Performance Goal No.:	COI Name (Institution):			
	Grant/Contract No.:	NNX16AO69A-T0502		
Performance Goal Text:	Performance Goal No.:			
	Performance Goal Text:			

regions of activa areas responsible - While some ini and OCT data, to imaging using m	l will be interpretable without having to compromise on specific architecture, as we will be able to study the activation using the epsilon-LRP (Layer-wise Relevance Propagation) algorithm, to understand the image nsible for the model decisions. ne initial work has been done to create machine learning models combining information from fundus images ata, to our knowledge, we will be the first to experiment with a combination of fundus imaging and OCT-A ing machine learning approaches. Such combination will capture the optic disc/vasculature with a large field ndus) and the finer information for blow flow (OCT-A).
Rationale for HRP Directed Research:	
Descende Impact/Fouth Descrites	
Research Impact/Earth Benefits:	
Research Impact/Earth Benefits: Task Progress: New project for	t for FY2020
New project for	t for FY2020
Rationale for HRP Directed Research:	

Bibliography Type:

Description: (Last Updated: 06/04/2024)