

## Approved Ancillary Studies

Funding Status	Participant Facing Only	Participant Facing and Stored Biospecimen	Stored Biospecimen Only	Secondary Data Analysis	TOTAL
Funded	24 (37%)	12 (44%)	42 (46%)	38 (30%)	<b>116 (37%)</b>
Seeking Funds	13 (20%)	3 (11%)	25 (27%)	57 (45%)	<b>98 (32%)</b>
Not Funded/Expired	28 (43%)	12 (44%)	25 (27%)	32 (25%)	<b>97 (31%)</b>
<b>TOTAL</b>	<b>65</b>	<b>27</b>	<b>92</b>	<b>127</b>	<b>311</b>

## Funded Ancillary Studies

	Participant Facing Only	Participant Facing and Stored Biospecimen	Stored Biospecimen Only	Secondary Data Analysis	TOTAL
<b>2008</b>	4		1		<b>5</b>
<b>2009</b>	1		1		<b>2</b>
<b>2011</b>	1			1	<b>2</b>
<b>2012</b>			1		<b>1</b>
<b>2013</b>		2	2	1	<b>5</b>
<b>2014</b>	4				<b>4</b>
<b>2015</b>	2	1	5	2	<b>10</b>
<b>2016</b>	1		4		<b>5</b>
<b>2017</b>	3	2	5		<b>10</b>
<b>2018</b>	3	4	4	1	<b>12</b>
<b>2019</b>	2	1	2	4	<b>9</b>
<b>2020</b>	1	1	2	2	<b>6</b>
<b>2021</b>	1		7	11	<b>19</b>
<b>2022</b>	1		4	3	<b>8</b>
<b>2023</b>		1	3	5	<b>9</b>
<b>2024</b>			1	5	<b>6</b>
<b>2025</b>				3	<b>3</b>
<b>TOTAL</b>	<b>24 (21%)</b>	<b>12 (10%)</b>	<b>42 (36%)</b>	<b>38 (33%)</b>	<b>116</b>

**Participant Facing Only (n = 24)**

<b>Principal Investigator(s)</b>	<b>Study Title</b>	<b>AS #</b>
<b>Allison, Matthew</b> Miljkovic, Iva	MYOSTEATOSIS: Activity Levels, Myosteatosis and Insulin Resistance/Diabetes Mellitus (R01 HL152790, NIH)	2019.10
<b>Bangdiwala, Shrikant</b> Ayala, Guadalupe Carnethon, Mercedes Delamater, Alan Eckfeldt, John Himes, John Isasi, Carmen Perreira, Krista	SOL Youth: Hispanic Community Children's Health Study of Latino Youth SOL-YOUTH (R01 HL102130, NHLBI)	2008.05
<b>Castaneda, Sheila</b>	Casitas: Biopsychosocial and Ecological Correlates of Latina Women's Sedentary Behavior (16SFRN27940007, AHA)	2015.20
<b>Chambers, Earle</b>	HOUSING MOBILITY: Housing mobility, hypertension self-management, and healthcare utilization among Bronx Latinos (R03 HL140265, NHLBI)	2017.05
<b>Chen, Lin Yee</b> Gonzalez, Hector Matsushita, Kunihiro	RHYTHM: Cognitive Aging, Brain Morphology, and Arrhythmias in Hispanics/Latinos: Implications for Prevention and Management of Alzheimer's Disease-Related Dementias (RF1 NS127266, NINDS)	2021.01
<b>DeCarli, Charles</b> Gonzalez, Hector	INCA-MRI: MRI Measures of Cerebrovascular Injury and AD Atrophy in a Study of Latinos (RF1 AG054548, NIA)	2016.02
<b>DeCarli, Charles</b> Gonzalez, Hector	SOL-INCA-MRI Long: Hispanic Community Health Study/Study of Latinos, Investigation of Neurocognitive Aging, Longitudinal MRI Study (R01 AG083894, NIA)	2022.08
<b>Gallo, Linda C</b> Allison, Matthew	CASAS: Neighborhood Environments and Cardiometabolic Disorders in Hispanic/Latinos (R01 DK106209, NIDDK)	2014.09
<b>Gallo, Linda C</b> Penedo, Frank	SOCIOCULTURAL: Ancillary to HCHS/SOL: Sociocultural Factors and CVD risk/prevalence in Hispanics (RC2 HL101649, NHLBI)	2008.02
<b>Kaplan, Robert</b> Burk, Robert D Kizer, Jorge Price, Jennifer C	GOLD 3 Renewal: Gut microbiome, diabetes & obesity (R01 DK134672, NIH)	2020.08
<b>Kaplan, Robert</b>	Paxgene: Paxgene tube collection for whole blood RNA expression studies at SOL Visit 2	2014.08
<b>Kaufman, Joel D</b>	SOLAir: Environmental Factors and Diabetes Development in Latinos (R01 ES030994, NIEHS)	2018.21
<b>Kizer, Jorge</b> Lima, Joao AC	NAFLD: Non-alcoholic Fatty Liver Disease and Cardiovascular Disease in Hispanics/Latinos (R01 HL144707, NIH)	2017.30

## Participant Facing Only (n = 24)

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Principal Investigator(s)	Study Title	AS #
Lee, David J	VISION: University of Miami Vision Loss Prevention Translational Research Center (U58 DP002652, CDC)	2011.03
Lindstroem, Sara	DAMAS: The impact of lifestyle and genetic factors on mammographic density in a cohort of Hispanic women (R01 CA255082, NIH)	2019.13
Meyer, Michelle	PWV: Arterial stiffness, brain morphology, cognition, and dementia in U.S. Hispanics/Latinos (R01 AG061088, NIH)	2017.21
Mossavar-Rahmani, Yasmin Kaplan, Robert Ramachandran, Vasan	COMPASS: Cardiometabolic Outcomes in Multi-ethnic Physical Activity & Sedentary Behavior Study (COMPASS) (R01 HL136266, NHLBI)	2015.12
Mossavar-Rahmani, Yasmin	SOLNAS: Study of Latinos: Nutrition & Physical Activity Assessment Study (SOLNAS) (R01 HL095856, NHLBI)	2008.03
Patel, Sanjay	SUEÑO: Sleep Pattern as risk factors for disease in the Hispanic Community Health Study (R01 HL098297, NHLBI)	2008.08
Ramos, Alberto	SANAR: Sleep in Neurocognitive Aging and Alzheimer's Research (SANAR) (R01 AG067568, NIH)	2018.08
Rodriguez, Carlos J	ECHO-SOL 1: Epidemiologic Determinant of Cardiac Structure and Function Among Hispanics (R01 HL104199, NHLBI)	2009.04
Rodriguez, Carlos J	ECHO-SOL 2: Epidemiologic Determinants of Cardiac and Vascular Function among Hispanics (ECHO-SOL 2) (R01 HL104199 (Competitive renewal), NHLBI)	2014.13
Rodriguez, Carlos J	ECHO-SOL 3: Vascular Determinants of Stage B HF among Hispanics: the role of the Heart-Vascular Interaction (R01 HL158156, NHLBI)	2018.17
Sotres-Alvarez, Daniela Siega-Riz, Anna Maria	FLOR: Preconceptional health of Latinas and its association with child adiposity (R01 DK116028, NIDDK)	2014.07

## Participant Facing and Stored Biospecimen (n = 12)

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Principal Investigator(s)	Study Title	AS #
Carlson, Jordan	VIDA: Characterization of Sedentary Patterns and Cardiovascular Disease Risk Markers in Hispanics/Latinos (R01 HL148463, NIH)	2018.05
Celedon, Juan C Isasi, Carmen	ASTHMA: Nasal epithelial epigenomics and transcriptomics and asthma in Hispanic adults (R01 HL152475, NHLBI)	2019.06
Daviglus, Martha Budoff, Matthew Gallo, Linda C Hou, Lifang	CAC: Coronary Artery Calcium and its Association with Protective/Risk Factors and Epigenetic Patterns in Diverse US Hispanic/Latino Adults (R01 HL152692, NHLBI)	2017.32

## Participant Facing and Stored Biospecimen (n = 12)

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Principal Investigator(s)	Study Title	AS #
<b>Gonzalez, Hector</b>	INCA 1: Study of Latinos-Investigation of Neurocognitive Aging (SOL-INCA) (R01 AG048642, NIA)	2013.07
<b>Gonzalez, Hector</b> DeCarli, Charles	INCA 2: Study of Latinos-Investigation of Neurocognitive Aging- Alzheimer's disease (R01 AG075758, NIA)	2018.24
<b>Joslin, Charlotte</b> Lee, David J	OJOS: Study of Latinos (SOL) OJOS (UG1 EY030410, NHLBI and 6 other NIH Institutes)	2015.22
<b>Kaplan, Robert</b> Burk, Robert D Knight, Rob D	GOLD 1 and GOLD 2: Gut Origins of Latino Diabetes Study (R01 MD011389, NIMHD)	2013.08
<b>Kaplan, Robert</b> Matsushita, Kunihiro	PASOS: Peripheral Artery Disease Study of SOL. An ancillary study of the Hispanic Community Health Study/Study of Latinos (R01 HL146132, NIH)	2017.31
<b>Oelsner, Elizabeth</b> Barr, Graham	C4R: ACTIV Integration of Host-targeting Therapies for COVID-19 Administrative Coordinating Center (OT2 HL156812 (Nolen), NHLBI)	2020.03
<b>Palacios, Natalia</b> Kaplan, Robert	GOLD 3.5: Microbiome and AD/ADRD Risk in SOL (R01 AG085320, NIA)	2023.06
<b>Perreira, Krista</b> Poteat, Tonia	SGM: Cardiovascular Health of Sexual and Gender Minorities in the Hispanic Community Health Study/Study of Latinos (SGM HCHS/SOL) (R01 HL149778, NIH)	2018.22
<b>Shields, Alexandra E</b>	Spirituality: Assessing the Impact of Psychosocial Stress and Spirituality on Health	2018.13

## Stored Biospecimen Only (n = 42)

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Principal Investigator(s)	Study Title	AS #
<b>Avery, Christy</b>	Eicosanoids: Inflammatory mediators of cardiometabolic risk in Latinos (R01 HL147853, NHLBI)	2018.15
<b>Beasley, Jeanette</b>	Sugar Biomarkers in SOLNAS	2013.02
<b>Boerwinkle, Eric</b> Gibbs, Robert A	Genomic Architecture of Common Disease in Diverse Populations (UM1 HG008898, NHGRI CCDG Program)	2015.10
<b>Brown, Scott</b> Szapocznik, Jose	Neighborhood Greenness and Cardiometabolic Health among Hispanics in the HCHS/SOL Study (R01 HL148880, NHLBI)	2018.16
<b>Camargo, M. Constanza</b>	Helicobacter Pylori Infection in HCHS/SOL (NCI intramural funding)	2016.08
<b>Fernandez-Rhodes, Lindsay</b>	Genetic, Psychosocial and Epigenetic Risk Factors for Preterm Birth and Low Birth Weight among Hispanic/Latina Women of HCHS/SOL (Internal Funding)	2019.05

## Stored Biospecimen Only (n = 42)

Principal Investigator(s)	Study Title	AS #
<b>Fernandez-Rhodes, Lindsay</b>	Methylation & Childhood Obesity: Intergenerational Epigenetic Aging and Cardiometabolic-Related Methylation as a Predictor of Childhood Obesity (Internal Funding)	2023.04
<b>Franceschini, Nora</b>	Ancestry and kidney traits: Leveraging ancestry to map kidney loci (R01 MD012765., NIMHD)	2022.03
<b>Franceschini, Nora</b>	Genetics of kidney disease in diverse populations (R01 DK117445, NIDDK)	2015.15
<b>Franceschini, Nora</b> Sofer, Tamar	Multi-omics study of ancestry enriched associations in Hispanics/Latinos (R01 HG013163, NHGRI)	2021.09
<b>Gonzalez, Hector</b> Fornage, Myriam	SOL-ARAD: Neurocognitive aging, MCI and Alzheimer's disease DNA methylation among diverse Latinos (RF1 AG061022, NIA)	2017.09
<b>Heiss, Gerardo</b>	Genetic Epidemiology of Causal Variants Across the Life Course (U01 HG004803, NHGRI)	2008.01
<b>Hu, Frank B</b> Qi, Qibin	Dietary Patterns and Risk of Cardiovascular Disease (R01 HL060712, NHLBI)	2016.04
<b>Mehta, Rupal C</b>	Fibroblast Growth Factor 23 and Sleep Disordered Breathing in HCHS/SOL (AHA, SFRN)	2015.14
<b>Morrison, Alanna C</b> De Vries, Paul S Nicholas, Susanne B	Hemostasis Genetics: Analysis of Whole Genome Sequence and Hemostasis Phenotypes (R01 HL139553, NHLBI)	2022.05
<b>Mossavar-Rahmani, Yasmin</b>	Sources of Arsenic Contaminants in SOLNAS (pilot)	2016.05
<b>Neuhouser, Marian L</b>	Dietary Biomarker Development Center (2022-67017-38475, USDA)	2020.04
<b>North, Kari</b>	Continuation of the CALiCO/PAGE ancillary	2017.26
<b>North, Kari</b>	Genetic Epidemiology of Causal Variants across the Life Course Phase II (U01 HG007416, NHGRI)	2012.02
<b>North, Kari</b> Kaplan, Robert	TOPMed Metabolome and Transcriptome	2017.02
<b>Perez-Stable, Eliseo</b>	Biomarkers of Tobacco Use and Genetics of Smoking among Hispanics/Latinos (NIH Intramural Funding)	2023.12
<b>Persky, Victoria</b>	POPS: Persistent Organic Pollutants, Endogenous Hormones and Diabetes in Latinos (R01 ES025159, NIEHS)	2013.06
<b>Priya, Palta</b>	Physical Activity and Preservation of Cognitive Function (K99AG052830, NIA)	2015.11
<b>Qi, Qibin</b> Hu, Frank B	Diet, lifestyle and metabolites influencing diabetes risk	2015.23

**Stored Biospecimen Only (n = 42)**

<b>Principal Investigator(s)</b>	<b>Study Title</b>	<b>AS #</b>
<b>Qi, Qibin</b>	Food-Based Biomarkers, Diet Quality, and Cardiometabolic Health (R01 DK120870, NIDDK)	2020.05
<b>Qi, Qibin</b>	Food-Based Biomarkers, Diet Quality, And Cardiovascular Health	2018.07
<b>Qi, Qibin</b>	Plasma proteomics profiling of diabetes in US Hispanics/Latinos	2022.01
<b>Rodriguez, Carlos J</b> Joshi, Parag	The Relation of Lipids, Apolipoproteins and Lp(a) with Risk of Atherosclerotic Cardiovascular Disease in US Hispanics/Latinos (Amgen Inc, Make Well Foundation, Amgen Inc, Make Well Foundation)	2019.12
<b>Smith, Nicholas</b>	Hemostasis Genetics: Analysis of Whole Genome Sequence and Hemostasis Phenotypes (R01 HL139553, NIH)	2021.15
<b>Song, Minkyoo</b>	Autoimmunity in Hispanics: Immunoproteomic Profiles of Autoimmunity in Hispanic Populations (NIH intramural funding)	2024.17
<b>Suglia, Shakira</b>	Social Stress: Social Stress Epigenetics and Cardio-Metabolic Health Among Latinos (R01 MD013320, NIMHD)	2017.19
<b>Suglia, Shakira</b> Isasi, Carmen	YOUTH Epigenetics: Social Stress, Epigenetics and Cardiometabolic Health Among Youth (R01 MD015204, NIMHD)	2018.20
<b>Sun, Qi</b>	Dietary etiologies of heart disease / Leaky gut and heart disease (R01 HL035464, NIDDK)	2021.17
<b>Sun, Qi</b> Qi, Qibin	Per- and polyfluoroalkyl substances, apolipoproteins, and risk of coronary heart disease (R01 ES036206, NIEHS)	2023.13
<b>Tasevska, Natasha</b> O'Brien, Diane	SOLNAS: Using a biomarker of animal protein ratio (APR) to evaluate measurement error in Study of Latinos: Nutrition and Physical Activity Assessment Study (U01 CA197902, NCI)	2021.10
<b>Wagenknecht, Lynne E</b> Kaplan, Robert Watanabe, Richard	Genetic & Epidemiologic Predictors of Glucose Homeostasis Measures in Hispanics (R01 DK085175, NIDDK)	2009.06
<b>Wang, Dong (Daniel)</b>	Microbiome and diabetes: Mediterranean Diet, Polyphenol-Rich Foods, Gut Microbiota and Type 2 Diabetes (R00 DK119412, NIDDK)	2021.16
<b>Yu, Bing</b>	Metabolic Signatures Underlying Cardiac Function for Heart Failure in Multi-Ethnic Populations (R01 HL173837, NHLBI)	2022.10
<b>Yu, Bing</b>	Molecular Determinants of Atherosclerotic Cardiovascular Disease in Multi-ethnic Populations (R01 HL168683, NHLBI)	2017.14
<b>Zhang, Xuehong</b> Agalliu, Ilir	PFAS: Perfluoroalkyl Substances (PFASs) and Liver Cancer Risk in the United States (U01 CA259208, NCI)	2021.06
<b>Zhao, Jinying</b>	Sociocultural factors, DNA methylation and Risk of Diabetes in Hispanics/Latinos (R01 DK137254, NIDDK)	2016.12

## Stored Biospecimen Only (n = 42)

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Principal Investigator(s)	Study Title	AS #
<b>Zheng, Tongzhang</b> Agalliu, Ilir	Perfluoroalkyl substances and risk of kidney cancer in US men and women (R01 ES034014, NIEHS)	2021.08

## Secondary Data Analysis (n = 38)

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Principal Investigator(s)	Study Title	AS #
<b>Agudelo, Christian</b>	Gray matter microstructure, a sleep-related marker of preclinical Alzheimer's (Internal Funding)	2024.07
<b>Avery, Christy</b>	Pharmacogenomics of risk factors for cardiac arrhythmias in global population (15GPSPG239, AHA)	2013.03
<b>Below, Jennifer (Piper)</b> McCormick, Joseph North, Kari	Hispanic Latino Lipid Consortium (R01 HL142302, NHLBI)	2024.31 Admin
<b>Botero, Monik</b>	CV risk factors and stroke symptoms: The role of stroke risk factors in the prevalence of stroke symptoms among Hispanic/Latinx Adults (R03 HL160625, NHLBI)	2021.20
<b>Cheng, En</b>	Structural Racism, Redlining, and Cancer Incidence in US Hispanics/Latinos: The Biobehavioral and Social Pathways	2024.12
<b>Chugh, Sumeet S.</b>	Community-Based Evaluation of Sudden Cardiac Death in Hispanics/Latinos (R01 HL145675, NHLBI)	2021.02
<b>Estrella, Mayra</b>	Protective Factors of Cognitive Aging among Latinos in the 50 States and Puerto Rico (K01 AG075353, NIA)	2019.04
<b>Filigrana, Paola</b>	Structural racism and neighborhood and individual-level deprivation & neurocognitive outcomes	2023.XX Admin
<b>Filigrana, Paola</b>	Structural racism and neighborhood and individual-level deprivation and neurocognitive aging in the Hispanic/Latino population: An intersectional approach (Alzheimer's Assoc postdoc fellowship) (Alzheimer's Association, Alzheimer's Association)	2025.19
<b>Flores, Melissa A</b>	Toward Accurate Cardiovascular Disease Prediction in Hispanics/Latinos: Modeling Risk and Resilience Factors (K99 / R00 HL157611, NHLBI)	2021 K Award (Flores)
<b>Hernandez, Rosalba</b>	Positive Psychology Intervention for Spanish-speaking Hispanic/Latino Adults at Risk for Cardiovascular Disease (K01 HL130712, NHLBI)	2015 K Award (Hernandez)
<b>Isasi, Carmen</b> DeCarli, Charles	Early and life course socioeconomic adversity and dementia risk in Hispanic/Latinos (RF1 AG077639, NIA)	2019.02
<b>Johns, Tanya</b>	Diet Related Inflammation and Kidney Function Decline in Racial/Ethnic Minorities (K23 DK124644, NIDDK)	2021 K Award (Johns)

## Secondary Data Analysis (n = 38)

Principal Investigator(s)	Study Title	AS #
Li, Jun	Chronic Inflammation and Type 2 Diabetes: A Multi-omics Approach (R00 DK122128, NIDDK)	2024.30 Admin
Ma, Jing	Statistical Methods for Network-based Integrative Analysis of Microbiome Data (R01 GM145772, NIGMS)	2022.13
Martinez Amezcua, Pablo	The role of language acculturation in the hearing loss-cognitive function association in the HCHS/SOL study (R21 AG089091, NIA)	2023.26
McClain, Amanda C.	Capacity-oriented approaches to food security, diet quality, and cardiovascular disease risk among Hispanics/Latinos (K01 HL150406, NHLBI)	2019 K Award (McClain)
Mendoza Herrera, Kenny Mattei, Josiemer	Association and Mechanisms of Almond Consumption and Mental Health in the HCHS/SOL (Almond Board of California, Almond Board of California)	2025.10
Meza, Erika	The effect of intergenerational education on cognitive outcomes for and among Latinos in the United States (F31 AG071111, NIA)	2023.34 Admin
Missikpode, Celestin	Simple community-based screening techniques (75N92019D00012-P00001-759202000001-1, NIH)	2020 (Missikpode)
Natarajan, Loki Carlson, Jordan	Leveraging deep learning to classify sitting posture and measure sedentary patterns from accelerometer data in diverse cohorts (R01 HL168535, NHLBI)	2022.04
North, Kari	Integrative Omics of Severe Obesity (R01 DK139598, NIH)	2025.12
Parada, Humberto	SOL-ONCO: HCHS/SOL State Cancer Registry Linkage Study (Internal Funding)	2021.12
Psaty, Bruce M	CHARGE Consortium: Omics discovery for CVD and aging phenotypes (R01 HL105756, NHLBI)	2011.07 Admin
Qi, Qibin Wang, Tao	Metabolomics in Hispanics (R01 DK119268, NIDDK)	2018.19
Quesada, Odayme	Hypertensive Disorders of Pregnancy: Pathways to Future Cardiovascular Disease (K23 HL151867, NHLBI)	2020 K Award (Quesada)
Rao, Dabeeru C	A Multi-Ancestry Study of Gene-Lifestyle Interactions and Multi-Omics in Cardiometabolic Traits (R01 HL156991, NHLBI)	2021.19
Redline, Susan	National Sleep Research Resource (NSRR) (75N92019C00011, NHLBI)	2015.13
Rodriguez, Luis A	Evaluating biologic and social determinants of health to improve diabetes prevention and address health inequities in Latino patients. (K01 DK138122, NIDDK)	2023.17
Sales Martinez, Sabrina	Associations between total dairy intake and type of dairy intake and cardiometabolic risk factors in adults from the Hispanic Community Health Study / Study of Latinos (National Dairy Council (Contract 3879-0), National Dairy Council)	2024.20

## Secondary Data Analysis (n = 38)

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Principal Investigator(s)	Study Title	AS #
<b>Sinclair, Matthew</b>	SGLT2i Use in Latinos (Internal Funding, Internal Funding)	2021.04
<b>Smagula, Stephen F.</b>	Combining information from multiple circadian activity rhythm metrics to optimally detect mild cognitive impairment using a consumer wearable (R21 AG074094, NIA)	2021.11
<b>Sofer, Tamar</b>	Using polygenic risk scores and omics to study how suboptimal sleep accelerates cognitive aging in diverse populations (R01 AG080598, NIA)	2023.33 Admin
<b>Sofer, Tamar</b>	Using polygenic risk scores and omics to study how suboptimal sleep accelerates cognitive aging in diverse populations (R01 HL161012, NIA)	2021.05
<b>Sun, Qi</b>	Human Gut Microbiome and Incident Diabetes Risk in U.S. Populations (R01 DK126698, NIDDK)	2019.11
<b>Wang, Heming</b>	Dissecting heterogeneity of excessive daytime sleepiness and impact on cardiovascular diseases (R01 HL153814, NHLBI)	2021.21 Admin
<b>Whitsel, Eric</b>	The Epidemiology and Somatic Genomic Pathogenesis of Radon-Related Stroke (R01 ES034050, NIEHS)	2021.07
<b>Yu, Bing</b> Ramachandran, Vasan	Genetic Architecture of Cardiac Structure and Function and Its Impact on Heart Failure (R01 HL160793, NHLBI)	2022.15 Admin