		Assilantia								Ver. 04.24.24
Actively seeking	Eligible Career	Academic Level Required by	Special Eligibility		Department/		Project Abstract	Grant Funding	NIH Award	Project
match Yes	Level Post Baccalaureate Graduate,Graduate student,Post Doctoral trainees	PI Graduate Student and higher	Requirements	PI Name Erika Bach	Divison Biochemistry and Molecular Pharmacology	Title Somatic control of germline differentiation in spermatogenesis	The broad, long-term objectives of this proposal are to characterize soma-germline interactions during adult spermatogenesis. The proposal will utilize biochemistry, site-directed mutagenesis in cultured cells and immunofluorescence, genetics, RNA interference, targeted protein degradation and rescue assays in the adult Drosophila tests to determine how a secreted, conserved, immunoglobulin (tg) domain protein maintains the blood-testic barrie (BTB) in somatic support cells of adult tests. We will capitalize upon the powerful genetics available in Drosophila, as well as the ability to unequivocally identify the niche, germline stem cells (SECS), spermatogonia and somatic support cells in the Drosophila tests. This proposal is supported by unpublished resturbs, germetagonia and somatic support cells of adult tests. We will capitalize upon the powerful genetics available in Drosophila, as well as the ability to unequivocally identify the niche, germline stem cells (SECS), spermatogonia and somatic support cells in the Drosophila tests. This proposal is supported by unpublished resturbs demonstrating that (1) the secreted protein is a neuronal adhesion protein that is not expressed or required in the adult testis, indicating that another receptor is involved; (3) another receptor twith high homology to horow one is expressed in somatic conserved barrier function. Am is centers on using in vito assays (cell-protein; (4) this other receptor is involved; (3) another receptor trutts, structure-function analysis to idetermine how the secreted ligned and neightor function. The Advis 1 bits indeters on using in vito assays (cell-protein; (4) this other receptor is involved; structure vitorian, structure-function analysis to idetermine how the secreted ligned and receptor interact in cultured cells and on employing in vito assays (cell-protein deGradFP-depended for the score and will genetic "add back") to test whether these interactions occur mechanistic insights into how the BTB domain is maintained in adults. Th	Date(s)	Number	End Date
100		ingrio.		Narjes	, name of the second	SCH: Dementia Early Detection for Under- represented Populations via Fair Multimodal Self-Supervised	not specified	noroposinou		
Yes	Not specified	Not specified	Not specified	Razavian	not specified	Learning		not specified	R01AG085617	not specified
Yes	Graduate student	Graduate	None	Leonardo Trasande	Pediatrics and Population Health	Assessing the Impact of Ambient Heat Exposure on Child and Caregiver Mental Health within the Community Context	Climate change poses a severe risk to pediatric mental health via increased and prolonged heat exposure.1 Multiple studies have linked increased ambient temperatures to elevated pediatric mental health-related emergency department visits. 2.3 To protect children from the health impacts of heat, we need to characterize better how ambient temperature influences their and their caregiver's mental health within the larger context of the social environment. To address this, my project will investigate the Parient-Reported Outcomes Measurement Information System (PROMIS) item bank for depression and anxiety and determine which subpopulations are most susceptible to the harmful impacts of heat using data from the NIH ECHO program. Then I will use census-tract-level data to assess the distribution of protective factors against heat within the child's environment.	not specified	5UH3OD023305	not specified
Yes	Graduate student,Post Doctoral trainees,Junior Faculty	Graduate student, Post Doctoral trainees, Junior Faculty	Advanced statistical analysis skills; experience working with large datasets	Brian Elbel	INTERNAL MEDICINE/MEDICI NF	The Influence of Sugary Beverage Taxes on Fast Food Restaurant Purchases: An Evaluation Using National Sales Data	This project will examine the impact of taxes on sugar sweetened beverages (SSBs) utilizing detailed sales data from one of the largest fast food retailers in the U.S. Taxes on SSBs are one of the most promising solutions to neduce oppuration-wide occurrentity of the stand healthalth beverages and, consequently, their contribution to obesity and the health challenges of cardioxecular disease, diabetes and cancer. SSB taxes have reduced purchasing and consumption of thisse unhealthalth beverages and, consequently, their contribution to obesity and the health challenges of cardioxecular disease, diabetes and cancer. SSB taxes have reduced purchasing and consumption of thisse unhealthalth beverages and, consequently, their contribution to obesity and the health of code restar vants to also a kay source of SSBs - more than third of U.S. additios consum fields food on any given on day, often incluiding an SSB, and a single beverage at a fast food restar vants. Text disclosed is the stand of a gradient pacet in lower income consust tracts, deplete less than complete "pass-through" of the tax to the consumers the stand stand appropriate comparison groups from multiple communities, the study estimates the influence of SSB tax policies in a detailed and cause and (most) others divers alway for several years after taxes are implemented. The model is a difference-in-difference sprone, taking advantage of the fact that some bocations intellated estimates and (most) others divers and (most) others divers and tax is implemented. This is the first study to rigorously examine SSB taxes across the U.S. in alongludinal manner, including thousands of retail locations for Taxo BBel and hundreds of millative estimations. Unline of the data and antibility enstandarias with in each city the implemented atax will alway estimates the influence of the data and antibility enstandarias the influence of the data and entible estimates and the regressive nature of SSB taxes. The specific amas across the severa and taxe sis indealth and causa	2/1/2022	R01HL157191	1/31/2026
Yes	Not specified	Not specified	Not specified	Mara McAdams Demarco	SURGERY		Only 13% of the 780.000 adults living with end-stage renal disease (ESRD) have normal cognitive function. We found that 14.0% of ESRD patients aged 35-49 experience severe cognitive impairment and 29% have a co-cocurring functional dependence suggestive of Alzheime's disease and related demetrial (AD/ADRD). And the displays initiation older (e85) patients are more than twice as likely to develop ender the adjusts initiation older (e85) patients are more than twice as likely to develop ender the adjusts initiation older (e85) patients are more than twice as likely to develop ender the adjusts initiation older (e85) patients are more than twice as likely to develop ender the adjusts initiation older (e85) patients are more than twice as likely to develop ender the adjust of the	7/15/2022	R01AG077888	3/31/2027
Yes	Graduate student	Graduate student	Research experience, basic data analysis skills, qualitative data collection skills	Charles Neighbors	INTERNAL MEDICINE/MEDICI NE	for opioid use disorders among	Transition-age (TA) adulthood—between ages 18 to 25—is a distinct and critical developmental period where unique biological, psychological, and social charges are occurring. Brain development continues in the latter part of this period, with neurological structures associated with reward anesitivity and self-regulation continuing to form. Social clear serie I fully, with neurological structures associated with reward anesitivity and self-regulation continuing to form. Social clear serie I fully, with the curbo grant and more than a serie of the specific with neurobic structures associated with reward anesitivity and self-regulation continuing to form. Social clear serie I fully, with the curbo grant and hards in a development control of the specific with the rest streng and series I Effective treatment at this age has the potential for target log term parylifs. Over the past discacle, there has been at large rise in the prevalence of optical use disorders (OUD) among TA adults. Yet, the treatment system for OUD performs poorly for TA adults: they are less lightly to batin scientificially supported treatment and more likely to leave treatment and/. Although the most efficacious clearities, viraition in the quality of tertiment programs cause units of the satisfies of a duality. They are less lightly obtain scientificially supported treatment and more likely to leave treatment and/. Although the most efficacious viraition is the satisfies of the quality of tertiment programs cause units in teratment elevies of the pastient. Specifically, social determinants of health, such as poverty and racial/athinic disparities, create added barriers to obtaining and sustaining scientifically supported treatments. A better understanding of the program inclusives in termore the social determinants of health, such as poverty and racial/athinic disparities, create added barriers to obtaining and sustaining scientifically supported treatments. A better understanding of the program inclusives in disparities, create added barr	4/15/2023	1R01DA057267	2/28/2028

Image: Section of the sectio	Yes	Post Baccalaureate Graduate, Graduate student, Post Doctoral trainees, Junior Faculty	and junior faculty, would consider very strong post-bacc graduates or graduate	No specific certifications are required but the person would have to be interested in substance use research and/or research at the intersection of housing/homelessne ss and health and they would have to be a strong writer.	Kelly Doran	EMERGENCY MEDICINE	Implementation of Overdose Prevention Practices in Permanent Supportive Housing	Permanent supportive housing (PSH) the gold standard intervention for ending phronic homelessness, hes expanded rapidly zones the U.S. In each years and is likely to continue expanding as homely practices (EBPs) to prevent OD exist, they have not been brackly implemented in PSH satisfies, We process to advices the significant research to practice or endose of the CVU-FD practices. Due to a confluence of the dividual and environmental risk factors, PSH tensits face howedres (DG). While endosco- based practices (EBPs) to prevent OD exist, they have not been brackly implementation in 20 SH buildings in New York, We will lest a package of implementation trades as in phrometiation in 20 SH buildings in New York, We will lest a package of implementation trades as in phrometiation in 20 SH buildings in New York, We will lest a package of implementation trades as in phrometiation in 20 SH buildings in New York, We will lest a package of implementation to increade SH brackly as practices and the advances subtance to improve PSH through dividence) phased to prevention practices across diverse PSH buildings and New York (Ne will lest applicable) to be evaluating as package of the advances and through dividence) based OD prevention practices across diverse PSH buildings and New York as a stepped vedge trad. In this typical package is the dividence-based OD prevention practices across diverse PSH buildings and New York as a stepped vedge trad. In this typical typical dividence based OD prevention practices across diverse PSH buildings and New York as a stepped vedge trad. In this typical dividence based OD prevention practices across diverse PSH buildings and New York and facilitators— tradings and implementation. Tamework and Roberts for housing settings, using qualitative interviews with PSH staft. The research will interview that PSH or explanation frameworks and Roberts Res Exploration. Preparation, Inglementation coulding settings are application of TSH or PSH and will prevate the disparate burden thrometion tradewes	3/29/2023	R01DA054976	3/31/2027
Yes Net specified	Yes		Baccalaureate	career development plan in clinical- translational research for my research coordinator. We are applying for a Diversity Grant through NIH, and would appreciate	Anli Liu	NEUROLOGY	Neocortical Interactions During Naturalistic	Into meaningful churks, termed event segmentation, is foundational to human episodic memory. Functional neuroimaging studies suggest that the hippocampus and a posterior cortical network demonstrate a simultaneous increase in activity at event boundrates and endings, but he neural events supporting this demarcation are unknown. Numerous rolent studies suggest that neural excellibilities a simultaneous increase in activity at event boundrates in posteria interactions at these critical junce truthers. Our long-term goal is to discover how the brain organizes and consolidates continuous experience under naturalistic circumstances. The objective of this propasal is to measure the hippocampus necorcital dynamics at key moments in episodic memory. Our carterit hypothesis is that the hippocampus plays a critical role in segmenting and consolidating information delivered from the necortex, via enhanced theta-gamma activity at event boundaries and increased SWR rate during post-wivery rest. To test these anni hypotheses, we will obtain intra-ratial EEG (IEEG) locardings from epilesy patients undergring in vaixei monitoring for surgical treatment. Subjects will view a series of short films that possess a narrative structure and sequence, then will be asked to recall selected content. Upon successful completion of this project, we will accomplish the following aims: Aim 1. To measure the netwisely of the hippocampus of event segmentation during film /weiwing. Alm 2. To measure the hippocampus and because of (the use of short films to investigate human episodic memory. (2) the translation film devent, Alm 2. To measure the hippocampus and because of (the use of short films to investigate human episodic memory. (2) the translation of key neurophysiological findings in rodent memory but series. This propeet is innovative in concept and method because of (the use of short films to investigate human episodic memory. (2) the translation of key neurophysiological findings in rodent memory but series to the measy dystication in n	4/10/2023	R01NS127954	3/31/2028
Yes Not specified						INTERNAL		neptrollhasis. Therapies for EH are limited and only partially mitigate hyperoxaluria. Several gut bacteria can degrade oxaliate and likely play an essential role in protecting against hyperoxaluria. The role that these oxallet-degrading bacteria, callectively effect to as the oxabilous, play in the pathophysiology of EH has not been elucidated. We developed a novel computational method to perform the first comprehensive study of human oxallet-degrading microbes. We defined their individual contributions to overall oxallet degradation in vivo in healthy and inflammatory bowel disease (IBD) population, a population at risk for EH. Our data howed that IBD patients have a reduction in the function of the oxabiloume associated with higher fiveles of fecal oxadles, suggesting that with properoxal in might benefit from additioners biology, we can manipulate it to provert EH and kidney stores. Our overall hypothesis is that the oxadiokine determines UOA, set a cordary, we hypothesize that the microbiome tais additioners biology, we can manipulate it to provert EH and kidney stores. Our overall hypothesis is that the lowage our appeties in conducting microbiome trials and microbiome that against the oxadiokiners biology we can manipulate it to prove EH and kidney stores. To use this hypothesis, we propose studies that lowerage our appeties in conducting microbiome trials and microbiome and EH subjects on controlled disks between the disk of the oxadiokine store with adiy oxadis to subject metation to analyze the oxadiokiners biology and and angeing there oxadiokines biology and and trial to prove with dialy oxadis subjectmentation to analyze the oxadiokines store structure, using examples and microbiome and EH subjects on controlled disks between a different with dialy oxadis subjectmentation to analyze the oxadiokine store store structure, using and the index development of hyperoxadinals, clobal analysis of the microbiome defices to UXD. Decelopment the associated with hower UAB and Advide stores and star indexis sub			
It will host, manage, standardize, curate, and provide a sharing platform for data and biospectimes, such as the Acute to Chronic Pain Signature initiative and the AcPAC, in addition to EPPIC-Net studies. The DCC will create the analysis of depositing proceedings, microbiome, genorities, and there data will have add as will create a platform for teams to work together to analyze and interpret data. Further, the DCC will provide leadership in the statistical design and analysis of EPPIC-Net studies. The Dip Cov list creates, sustain, and continually advance or shouls organization for the rapid design, implementation, and performance of high- quality rigorous Phase II clinical triats to test promising and eventes of experiment studies, and galar data management, quelity assumance, and regoritor, The DCC will create science the construction and data coordinating centers. Our aims are to turber the goals of EPPIC-Net studies; and individues of the EPPIC-Net studies; and individues to the EPPIC-Net studies; and readiate science in the statistical deposition of the applic design. Interpret data is the statistical deposition of the DCC will net students in the EPPIC-Net studies; and individues to the CC will be students with the EPPIC-Net studies; and individues to the EPPIC-Net studies; and individues to the EPPIC-Net studies; and individues to the EPPIC-Net studies; and tails coordinating centers; and train advantaria data data statistical coercis; and tails to the EPPIC-Net statistical coercis; and tails tone data and statistical coercis; and tails to the EPPIC-Net statis						INTERNAL MEDICINE/MEDICI NE/Population Health/Health	Examining the Mechanisms Underlying the Influence of Facebook Food Advertisements on Adolescents' Eating Behaviors: Randomized Controlled Trials -	addrescents. The National Academic of Medicine identifies exposure to food advertisements (ads) as a major predicior of poor diet among children (-c12 years of age) because studies have shown that children who are exposed to food ads consume more calories than children who are exposed to non-food ads. The few food ad studies have calories than children who are exposed to non-food ads. The few food ad studies have calories than children who are exposed to non-food ads. The few food ad studies have calories than children who are exposed to non-food ads. The few food ad studies have than White concurrences and perceive Biack youth as transfersmes explain this relationship. It is also well established that food companies promote their least health products to Black couscumes more more admongenees and perceive Biack youth as transfersmes. Built is not know which mechanisms explain this relationship. It is also well established that food companies are increasingly targeting addrescents on social media. And no social media food ad studies have focused on racially argeted ads. Addressing these gaps is important because addrescence is a critical period for adsigning nutritious eating habits that can prevent future diet-related cancers. The overall objective of our three studies is to identify the extent to which exposure to hacebacence is a critical period for adsigning nutritious faceback food ads causes Black van White addrescents. Guided by strong preliminary data, we will test three aims: 1) To evaluate the exposure to handlescence is a critical period for adsigning ourgination is a causes. Black well as the the barden to which exposure to many cs. few Tilkee "on Facebook food ads causes Black well as the test to which exposure to acidis causes Black addrescences is a critical period for adsigning ourgination to address addrescence is a critical period for adsigning ourgination (addrescence) and calorie addrescences is a calories the number of calories purchased add occurse to purchase more calories to purchase more			6/30/2026
Ves Graduate student student the moment Tarpey Y EPPIC-Net DCC 9/30/2019 5U24NS113844 8/31/2			Graduate	None anticipated at	Thaddeus	ANESTHESIOLOG		It will host, manage, standardza, curate, and provide a sharing platform for data and biospecimens for HEAL initiatives, such as the Acute to Chronic Pain Signature initiative and the BACPAC, in addition to EPPIC-Net states. The DCC will develop and maintain a databack for deposing prac-finica, clinical, neurina, environte, bance were morics biomarker data, will in Kheese data with a repository for biological samples, and will create a platform for teams to work together to analyze and interpret data. Further, the DCC will provide leadership in the statistical design and analysis of EPPIC-Net studies, and will deploy advanced systems and processes for data collection, management, quality assurance, and reporting. The DCC will provide leadership in the statistical design and analysis of EPPIC-Net studies, and will deploy advanced systems and processes for data collection, management, envertains, genomics, and dretter coll in create, sustating, and continually advance a robust corral constraints design and analysis of EPPIC-Net studies and radiology, and leverages decades of experience instituting and funning large data sharing constraints, genomics, and radio everages decades of experience instituting and running large data sharing constraints design and radiolysis, and leverages decades of experience instituting and comprehensive data management, tearrotics, and levales and realizations of the aliance with HEAL patters; 2) Provision of biostatistical operties, supports, and leadership in the EPPIC-Net studies (4) Institution of a pain-related expandable biospecimen repository; and 5] Establishment of the EPPIC-Net State clinical and comprehensive data management for EPPIC-Net studies (4) Institution of a pain-related expandable biospecimen repository; and 5] Establishment of the EPPIC-Net Data and (4) aBiospecimen Foc. This DECC will be structure around four cores: 1) in Administrative Core; 2) a Statistica Core; 3) a bata Core; and 4) a Biospeciment. Foch The DCC will be structure around four cores the PP			

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Yes	Not specified	Not specified	Not specified	Tanya Sippy	PSYCHIATRY	Dissecting the Synaptic and Cellular Actions of Dopamine in Vivo	The neuromodulator dopamine is critical for motivating, performing, and reinforcing goal-directed behaviors, and deficits in dopamine signaling are common in neuropsychiatric disorders like depression, doessive-computive disorder, addition and Parkinson 5 disease. Central to our understanding of dopamine function is the notion that hasis increases and decreases in extracellular dopamine levels in the striatum modulate striatal ouput to modify behavior on short and long timescales. For instance, phasic elevations in striatal dopamine elevatis in the theatis increases and decreases in extracellular dopamine levels in the striatum modulate striatal ouput to modify behavior on short and long timescales. For instance, phasic elevations in striatal dopamine in elevatis the behavioral decisions on long timescales extending to days. This raises a fundamental question. How does dopamine modulate the activity of striatal neurons to exert its influence on behavior? Experiments in vitro have revealed a myriad of molecular targets sensitive to modulation by dopamine. However, there reflects of these changes on striatal neurons to exert its influence on behavior? Experiments in vitro have revealed a myriad of molecular targets sensitive to modulation by diffects on synaptic strength, sonaling and neuroxic dynamics in the awake, behaving themescales of seconds to minescale interactions to accept the strength on string and previous device and elevation goal diverse themescancy. Inconsing and the extrability and neuroxic dynamics in the awake, behaving the strengths on themescale of accept and the strengths on st	7/8/2022	5R01MH130658	4/30/2027
				,,		· ·	Atherosclerotic cardiovascular disease (ACVD) is the leading cause of mortality and disability worldwide, even in optimally treated patients. While the impact of many immune cell types on atherosclerosis is well-established, the contribution of CD8+T cells to the disease pathology remains to be further elucidated. In previous work using unbiased single-cell (sc) analyses to study the immune composition of			
Yes	Post Doctoral trainees	Post Doctoral trainees	Not specified	Chiara Giannarelli	INTERNAL MEDICINE/MEDICI NE	Dissecting the role of CD8+ T cells in atherosclerosis	the main attention because we found new gate applications to be fully understood. The tables are been discussed of the application of the tables of the application of the application of the tables of the application of the	6/2/2023	R01HL153712	5/31/2025
res	trainees	trainees	Not specified	Giannarelli	INE	atheroscierosis	Developing a Robust Strategy for Living Donor Follow-up and Engagement There are more than 150,00 living kidney donors in the US, and the number of new donors is increasing yearly. Understanding the	6/2/2023	R01HL153712	5/31/2025
Yes	Junior Faculty	Junior Faculty	CITI human subjects research training. Would prefer someone with skills in qualitative research, interviewing and data collection.	Macey Levan	SURGERY	Development of a Robust Strategy for Living Kidney Donor Follow-up and Engagement	risks and sequelae of donation is a practical requirement for expanding live doors kidney transplantation and an ethical requirement for supporting informed consent and honoring an altruistic act. This requires the collection of granule follow-up data in dones, and a comparison to healthy non-doors. To did up door follow-up data indicated. As a living kidney door myself, I am inimately aware of the profound and systemic failures in post-donation surveillance from both the door-level and the health system-keel. In 2013 a national policy mandating transplant centers meet standards for lowing door follow-up was implemented, yet this policy has proven nearly impossible for transplant centers with evert than 50% successful in meeting the mandata. Continued engagement with transplant centers not only allows a better scientific understanding of the implications of donation, but also allows careful surveillance of donors to identify early physiologic changes (such as hypertension) and intervere before these become major adverse outcomes. Furthermore, a proper healthy non-donor both sense bots consciptily captured and studied. To improve this ongoing failure, in 2017 we launched a plici Living Donor Collective (LDC) at 10 kidney transplant centers, centralized through the Scientific Registry of Transplant Recipients (SRTR). In an effort to improve living donor follow-up in a systematic centers and the sistemated to conters acress (sucked by an implementation science) framework and a makes with early of this important endeavor. Since only 10 centers participated in the plici, out of 273 transplant centers in the US, it is critical to understand barries to implementation acress a wide spectrum of transplant center endances starts collective (LDC) and use the since and the text of the LDC. This study will provide a comprehensive understand on change successes, and failures of a centralized program for living donor follow-up. This provides the foundation for all U.S. transplant centers to participate, solves a hist	8/15/2022	1R03DK132222	7/31/2024
Yes	Undergraduate,Post Baccalaureate Graduate,Graduate student	Undergraduate Post Baccalaureate Graduate,Gradu ate student	Comfortable working with racial and ethnic populations, qualitative analysis skills are preferred but not mandatory.	Ayana Jordan	PSYCHIATRY	Culturally Response Integrated Harm Reduction Services for Black and Latinx People Who use Drugs	NIH to improve treatment for opicid misuse and addiction. Over 100,000 people dated from drug overdoses in 2021, underscript the need for urgent action. While the rates of overdose deaths among trainability innovation in polateux, there has been a diactic surge in database surgen grantabase immonitorial dividuals. There are also categories that disparates from other substance use, including stimulants smorg trainability of people have begin a diactic surge in database surger in database to problematic substance use, along stimulants. There are also categories that disparates from other substance use, including stimulants smorg trainability of people income begin consequences related to substance use, along stimulants. There are also categories that discress that decrease substance-based treatment such as MAT. To tackle these unique problems, we created and integrated harm induction intervention (HRI) to be mobile and flexible to the needs of Back and Lattice YPUD. This culturally reprovable HRI with employ a HR care conditionant that can assess vulnerabilities. The social distertion intervention (HRI) to be mobile and flexible to the needs of Back and Lattice YPUD. This culturally reprovable HRI with employ a HR care coordinator that can assess vulnerabilities. The social distertion intervention (HRI) to be marked assesses to the sevent state that and regregement. Yee, systemic barriers to addition a social surce intervention in historicially escluded communities may prove a highly distributed. culturally informed HR intervention in historicially escluded communities may prove a highly distributed. culturally informed HR intervention in historicially escluded communities may prove a highly distributed. culturally informed HR intervention in historicially escluded communities may prove a highly distributed. culturally informed HR intervention in historicially escluded communities may prove a useful model for decrease data and tarias among Back and Latinx PWUD is a serisor subality hard freshells. Can may prove a	9/30/2022	1R01DA057651	9/29/2025
165	siddeni	ale sidueni	but not manualory.	Joidan	FSTORIATIO	who use brugs	Over 1.4 million people experience homelessness in the U.S. each year. A large body of evidence has demonstrated the bidirectional relationship between homelessness and substance use (SU), and overdose is the leading cause of death among people experiencing homelessness. The COVID-19 pandemic has greatly exacetbated the existing and overlapping crises of homelessness and SU. Localities	5/30/2022	INCIDA037031	3/23/2023
Yes	Post Baccalaureate Graduate, Graduate student, Post Doctoral trainees, Junior Faculty	Prefer post- doctoral trainees and junior faculty, would consider very strong post-bacc graduates or graduates or graduates.	No specific certifications are required but the person would have to be interested in substance use research and/or research at the intersection of housing/homelessne ss and health and they would have to be a strong writer.	Kelly Doran	EMERGENCY MEDICINE	Crisis Response, Durable Lessons: A Mixed Methods Examination of a Large-Scale Hoteling Intervention for People Experiencing Homelessness During the COVID 19 Pandemic	arross the U.S. have taken drastic steps to mitigate risk of COVID-19 among their homeless populations—including mass movement of tens of thousands of homeless individuals to hoteds—but there has not yet been research on how these efforts have affected SU. We propose to conduct community-partnersel, mixed methods research to now tense of related health impacts of a large-scale initiative to place popole experiencing homelessness into commercial hotels during the COVID-19 pandemic. The proposal leverages a natural experiment in New York City, where 9,500 homeless individuals were invoved to hotels during the pandmet. Am I is to experise studies and transmet access changed for people experiencing homelessness who were placed into hotels during the pandmet. Am I is to experise SU disorders and Medicai data. Am 3 is to examine effects of hotel placement on SU-related and other health care outcomes using a difference-in- differences apprach with index homeless services cand Medicai data. Am 3 is to examine effects of hotel placement on SU-related outcomes and to identify strengths: gaps, and inform future efforts, using merged findings from Aims 1 and 2 as well as a national environmental scan of COVID-19 hotel strategies releavent to SU disorders. The research will be conducted by a transdisciplinary investigator team in partnership with the NVC Department of Social Services and Project Reevel, Inc., a nonprotith homeless and health services provider. The research heant will be critical and national programmatica on ploicy interventings (Su and Workes, assess, and innovations with durable lessons for the future that will be critical to only to prepare for future pandemics, but also inform future programmatica and policies to better respond to the overlapping crites of homelessness and substance use disorders. This research is expected to bring with it argue increases is well as worsening SU and overdees entionably. The pandemic has spure domainalies to rapidy chaneg how they address homelesenses, including by perma	8/15/2022	R01DA054956	6/30/2027

	Doctoral trainees,Junior		Advanced data analysis; advanced		INTERNAL MEDICINE/MEDICI		PROJECT SUMMARY/ABSTRACT This research will examine how significant disruptions to children's health, development and social trajecticies through the lifecuruse, and the risk for long-term health ubcreames. Effects of the pandemic are unevenly distributed annorate full-lifer, particularly with respect to race/ethnicity and income, and are anticipated to both reflect and exacerbate the already wide health disparties in the United States. As vaccines continue to roll out, inequality in access to and take up of vaccinations could compound the disparate outcomes. New York CIN (VOC), where the trainilion public school children are majority fields or Hisparic (6%) and T4% are environent, is an iside Jace to situate this research. In the health domain, changes in diet and physical activity and missed healthcare may increase inclose and exacerbation of chronic diseases like doesity, asthma and diabetes. The pandemic generated stress and anaxiety, with Newor of the usual mental health services supports available, posing risk for new and more severe health problems. Even after schools Lilly deture to in-personal learning, the educational consequences are expected to be protracted – including declines in academic achievement (tes Carsos), increases in chronic absenteemin, repeating grades, or high school dropout. The research leverages the NYC Subdet Pepulition Health Respires and other outcomes. SPHR links multiper annicipal datas accures at the child weal, allowing us to examine the influence of the cohool chanaetteristics (norone, usergency foor increases, ponsequency) will neight of carsos characted and education charages among children 24 yeas after pandemic created and the stress constrained stress and anaxies and ender cutocomes. SPHR links multiper links, how carsos in classificers and ender the influence of the cohool characteristics (norone, usergency foor increases, ponsequency) will mighting of exacerbate sustained influences and ender the health and education changes among children 24 yeas after pande			01001000
Yes	Faculty	Faculty	statistics	Brian Elbel	NE	Data	Keratocorus (KC), a common corneal dystrophy that affects young people, causes progressive thinning, scarring and loss of corneal shape, which can ultimately lead to loss of vision. Crosslinking of	9/22/2021	U01NR020443	6/30/2026
Ve-				Shukti	OPHTHALMOLOG		Notabaction (NC), a continuon contrat dystrophy that attacts young people, causes progressive training, scatting and people as a stage, when can future any lead to test of west of we	0405015	Berthyson	4/04/0005
Yes	┟────┤	├ ────i	ļ	Chakravarti	r	keratoconus	BIOSTATISTICS AND BIOINFORMATICS CORE (CORE 1) The Biostatistics and Bioinformatics Core (Core 1; C1) will provide data management and analytical competencies to all projects (P1-P3) and	6/10/2016	R01EY026104	1/31/2027
Yes	Post Baccalaureate Graduate,Graduate student,Post Doctoral trainees,Junior Faculty	Baccalaureate Graduate,Gradu ate student,Post Doctoral trainees,Junior	Analytical Chemistry, Biochemistry, Statistical Analysis with R. Training available in my group.	Jose Aleman	NYU LONG ISLAND SCHOOL OF MEDICINE	Biogenesis of Atherogenic Lipoproteins	cores (C2, C3, and the Administrative Core). C1 personnel will work closely with the other project and core leaders to support study design, data collection, management, data curation, statistical analysis, interpretation, and publication of the study outcomes. C1 will play a curcil arle in creating data collection instruments and managing data in RECGa systems to nearue proper data validation. C1 personnel will also create standardized requirements and scripts to perform regular data quality checks, develop a formal data sharing protocol, and oversee the data request and distribution. The biostatistics personnel from C1 were actively incived in producing each project protocol, including sample size and power analysis. We will work with each project leader to provide state-of-the-ext statistical analysis collaboration and consultation throughout the study and use novel methodologies to analyze and interpret data. We will use a high-performance computing cluster with 90 compute nodes to run all bioinformatics analyses. As an integrapt and the PPCs all C1 members will attend all the PPC's monthy meetings and focus on analyzing and interpreting data generated by the projects and other cores. C1 will also educate the junior members of the PPG on biostatistics and bioinformatics methods and techniques.	5/1/2023	P01HL160470-01A1	4/30/2028
							Nickle compounds are well-established human carcinogens. Epidemiological studies have reported an increased incidence of <i>Ling</i> and nasat cancer following long-term exposure to nickle compounds due to either environmental or occupational exposure. Growing evidence indicates that alterations of the eigenetic landscape, including DNN methylation and histore modification, are important mechanisms in <i>nickle/Induced Jung</i> carcinogenesis. However, the impact of nickle/ exposure on the epitremiscriptome and the potential rod (exposure) maternally emptylated landscape, including DNN, methylation and histore modification, are important mechanisms in <i>nickle/Induced Jung</i> carcinogenesis. However, the impact of nickle/ exposure on the epitremiscriptome and the potential rod (exposure) maternally exposures dgenes 3 (MES), an imprinted gene that was downregulated in many types of turnors and a strong driver for <i>nickle/induced</i> milgrant transformation. In addition, <i>listed</i> upregulated m6A demethylase <i>ALKBHF</i> mRNA and protein expression that conicided with MEG3 NA destabilization. suggesting that RNA methylation may play a tole in protecting MEG3 stability. However, it is not clear how nickle Lorgelulates <i>ALKBHF</i> dises nickle/ <i>induced</i> MEG3 destabilization. The modulates gMEG3 RNA stability of parks integrity unknown. Therefore, in this application, specific aims were proposed to address the key events in <i>nickle/induced</i> MEG3 destabilization. The modulates MEG3 RNA stability or the site of unknowledge, this is the first proposal to tackle the impact of environmental nickle exposure on the changes of m6A enzymes as well as transcriptome-wide or gene-specific m6A abundance professor. If the proposal well finalitate our understanding of how modification enzymes or RNA handing proteins to initiate or promote <i>Ling</i> turnor formation, and further identify new aspects of m6A enzymes as a prognostic biomarkers or therapeutic targets to improve clinical outcomes of <i>Lung</i> cancer patients.			
1		l i	ļ			ALKBH5 and				
		l i	ļ	,	PUBLIC HEALTH & PREV	nickel-induced				
Yes	Not specified	Not specified	Not specified	Hong Sun	& PREV MEDICINE	lung carcinogenesis		12/10/2022	R21ES034811	11/30/2024
Yes	Post Baccalaureate, Graduate,Post Doctoral trainees	Post Baccalaureate Graduate,Post Doctoral	Molecular techniques such as ELISA, Western biol. The candidate will be trained by my members on the more sophisticated technologies (exosomes) specific to the R01.	Carla Nacco	PSYCHIATRY	A translational approach for novel mechanisms of epigenetic regulation in treatment responses: toward a precision medicine model	Treatment resistant depression (TRD) is a leading cause of ilmess and disability wortdwide; there is a dearth of new mechanistic models for the development of better therapeutic strategies. Studies to date showed that administration of LAC, a povtant intochondrial metabolite, taxeds to a rapid and persistent and/epressan-tike response by increasing histores exp(Hras) active) and the related expression of a key inhibitor of glutamete release mGN2 receptor in circuits implicated in TRD. Furthermore, LAC levels are decreased in clinical phenotypes of TRD. The objective of this application is to understand the related michondrial metabolites, there equalisation of TMS responses in phenotypes of TRD. The objective of this application is a suderstand the related michondrial metabolism in the regulation of TMS responses in phenotypes of TRD. We take such as used to main adjustific and attastical clustering to ascertain the role of the novel biomarkers of TMS responses in the trajectories of functional connectivity, and how these pathways are modified by sex. This contribution will advance our understanding of cellular and molecular mechanisms of mitochondrial metabolism for TMS responses in phenotypes of TRD, we also differences in these mechanisms.	12/14/2022	R01MH128311	12/31/2026
	20010101110110003	aanooo	to the real.	Juna Masud		mouloine mouel		12/17/2022	101101120311	12/01/2020

Yes	Undergraduate, Post Baccalaureate Graduate, Graduate student, Post Doctoral trainees	Undergraduate, Post Baccalaureate Graduate,Gradu ate student Post Doctoral trainees	None	Damian Ekiert	ANATOMY/CELL BIOLOGY	Structural characterization of MCE transport systems from Mycobacterium tuberculosis	Mycobacterium tuberculesis (Mb), the causale egent of tuberculosis (TB), is one of the deadlest pathogens on the planet, and for decades. TB has been the leading cause of death due to infectious desaes. The cell envelope of Mb forms a notroiosity tough barrier around the cell, protecting the bacterium (from harsh agents in the environment such as antibicitics and hole to interclicus desaes. The cell envelope of Mb forms a notroiosity tough barrier around the cell, protecting the bacterium (from harsh agents in the environment such as antibicitics and hole to introl informations are training. Mb imports nutrients from the host cell, such as chelesterd, across the cell envelope. Transport of lipids, metabolies and nutrients across the cell envelope, Ethicing are ortical for allowing Mb to survive and thrive in its intracellular niche, most typically macrophages in the lungs. The MCE (Mammalian Cell Entry) family of proteins are transport systems that Hark DCE systems are important for importing nutrients such as cholesteria and that work on E. coll MCE systems has shown that these are multiprotein complexes with to MCE systems in Mb. and are an expanded protein transport instrumers and that the cell antechnaisme of outer membrane integrity, raising the possibility that this may also be a role that MCE proteins play in important role in the nantinacterization of MacTe systems from Mb and the neon-pathogenic model, whochasterium megnitals. Using alige patiet or withouter, and structural characterization of MacTe transport systems that the set mechanisms of the neon-pathogenic model, whochasterita and structural characterization of MacTe systems from Mb and the neon-pathogenic model, whochasterita magnitals. The structure and mechanisms of the neon-pathogenic model, whochasterita and structural characterization that mechanisms from Mb and the neon-pathogenic model, whochasterita magnitals in the structure and mechanisms of the macTes systems to assemblices and structural characterization that and function of en	2/3/2023	R01AI174646	1/31/2028
						Sensory Plasticity in the Auditory	We has dresse any of colorad and subcortal hips. There are two call types that make up the modo subcortant process in the colorad process in the colorad stresse and processes. The experiments that make up the modo subcortant processes in the colorad stresses and processes in the colorad stresses and processes. The experiments that make up the process provide a framework first, while is known about the stress experiments in the colorad stresses and processes. The experiments that make up the process provide a framework first, while is known about the stresses and processes in the domain stresses and processes in the stresses and processes. The experiments that make up the process provide a framework first, while is known about the stresses and processes in the domain stresses and processes in the stresses and processes in the domain stresses and processes. The experiments that make up the process provide a framework first, while is known about the stresses and processes in the address stresses and proceses in the addresses and proceses in the			
						Striatum as an Impetus for Action				
Yes	Not specified	Not specified	Not specified	Tanya Sippy	PSYCHIATRY	Control	Physical pressure is fundamentally important for cancer biology, but its effects remain poorly understood. When solid tumors grow confined within surrounding tissue, they build up compressive stress.	3/1/2022	5R01NS126391	2/28/2027
Yes	Undergraduate,Post Baccalaureate Graduate,Graduate student,Post Doctoral trainese,Junior	Graduate, Graduate student,Post Doctoral trainees,Junior	We can train people, but molecular biology	Lion Holt	PATHOLOGY	Cancer under pressure: Mechanisms of adaptation to compressive	Given that cells evolved to function in a stable mechanical environment, even slight changes in pressure putub physical cells and early stage cancer cells stog growing when pressure bulks up. In contrast, in advanced cancer, compression can change cellular behavior to drive migration of cancer cells to other organs or corder resistance to choren-therapy. This is that cancer cells somehow adapt to physical pressure. A lack of tools has slowed progress in understanding the reliationships between compression, the physical properties of cells, and cancer behavior. We developed two new technologies to overcome this limitator. First, we created a gene that enables cells to produce a steady suppl of fluorescent nanoparticles that act is stell-ads for shifts in intracellular physical properties. Second, we developed microfluidic devices to control compressive stress, either quickly or slowly, while maintaining a constant chemical environment. We will combine these innovations to test the overarching hypothesis that mutations that confer resistance to mechanical compression enable panceatic cancer cells to adapt to their high-pressare methorment and drive their anogenic evolution. Alm 1: We will determine how compression differentially impacted wildsype and mutant pancreatic cells. We will use GEM manoparticles to quantify the physical affort their high-pressare budgets to in- creased phase separation. We will obviolegiar response to pressure. Alm 2: We will determine the effects of compression on phase separation. We will low uphothesis that decreased cell volume under pressure leads to in- creased phase separation d'a trans at stable. Alm 3: We will determine the effects of compression combase separation. We will low uphothesis that concorr resistance to compression, using a CHISPR modifier screen to determine mechan imms of adaptation. We adaptation by the uniquely qualified to connet compression, the physicochemical properties of cells, and cancer physicidag? Alm out expertises that hidges biophysics, use c	5/21/2010	D2704040765	5/34/0024
Yes	Faculty	Faculty	skills are useful!	Liam Holt	PATHOLOGY	stress	Self-control failures are a universal challenge for healthy and clinical populations. Recent theoretical and empirical work suggests these failures may arise from excessive cognitive costs associated with	5/31/2019	R37CA240765	5/31/2024
Yes	Post Baccalaureate Graduate,Graduate student,Post Doctoral trainees	Post Baccalaureate Graduate, Graduate student,Post Doctoral trainees	Beneficial to have some analytic skills, programming experience and/or neuroimaging experience but not cirtical	Candace Raio	PSYCHIATRY	Neural and affective mechanisms underlying prospective self- control costs	exercising control. However, traditional self-control paradigms do not provide a methodological platform to quantify these costs. Further, we know little about the neural basis of self-control costs nor how these representations change under different classes of psychological stress, which is a major risk factor for self-control allure. To address this, we developed a novel decision-maining task that measures how much individuals will pay to restrict access to tempting reversits harm may derait their long-term gala and lead to self-control allures. The dark is novel decision-maining task that measures how much individuals will pay to restrict access to tempting reversits harm may derait their long-term gala and lead to self-control costs and how they relate to real-world self-control failures. In Aim 1, we seek to dentify the computational, moladine and disentaring the mechanisms underlying prospective self-control costs and how they relate to real-world self-control failures. In Aim 1, we seek to dentify the computational, moladine mechanisms underlying the self-control costs and how they relate to real-world self-control failures. In Aim 1, we seek to dentify these costs. It was a cost and dentify and disentariated in mechanisms underlying the self-control costs and how they relate to real-world self-control costs and formatify matterify tasks to daracterize the <i>neural</i> correlated of self-control costs. The Aim 2 we seek to characterize the <i>neural</i> correlated of self-control costs. It ham 3, we seek to examine how different classes of stressor type (physiological, social, or lifetime stress) shapes the behavioral and <i>neural</i> meters and how these costs. In Aim 3, we seek to examine how different classes of stress or type (physiological, social, or lifetime stress) shapes the behavioral and <i>neural</i> meters and how these costs. Characterizing individuals <i>self-control</i> costs that cont and how these costs are represented in the brain will allow for a more direct test of how stress exposure affects decisions to	04/31/2023	R01MH130532	03/31/2028
	Post Baccalaureate Graduate,Post	Post Baccalaureate Graduate,Post Doctoral	data analysis,	Eric	RADIATION- DIAGNOSTIC/ON	Advanced Diffusion Imaging for Management of Renal Cancer: Oncologic Control and Renal Functional	Renal cancer is a source of severe mortality and morbidity, not only due to the primary malignancy but also due to loss of <i>renal</i> function (sconetimes leading to chronic kidney disease) after partial nephretory. Methods to noninvasively monitor <i>renal</i> function and predict is robustness against his decline of function are therefore in high demand. <i>Diffusion</i> -weighted MRI is well poised to play this role as an adjunct to renal cancer patients existing dinical MR workup, Our group has been at the forthor of research into advanced <i>renal diffusion</i> MRI is well poised to play this role as an adjunct to renal cancer patients existing dinication anisotopy to group has been at the forthor of research into advanced <i>renal diffusion</i> MRI (KEFMAP) collects these contrasts joint), advanced area in the primary methods to system introduce patients in the forthor of research into advanced area addiffusion. MRI is well as a distributed to the primary methods to sagarest microscopic anisotopy (diffusion tensor imaging CDII). A recent comprehensive approach (KEFMAP) collects these contrasts joint), advanced area interesting and the patients distributed interesting and the primary methods to sagarest and predict point august and the primary method in the primary method will be interesting in the term in the term in the primary method is a sagarest in the advanced area and the primary method is advanced and the primary method is advanced area and the primary method is adv			
Yes	Doctoral trainees	trainees	programming Diligent, hard-	Sigmund	COLOGY	Reserve	Despite the fact that global population is racially and ethnically diverse, there remain substantial gaps in the scientific literature regarding the impact of Alzheimer's disease (AD) risk among blacks; e.g.,	7/7/2020	R01CA245671	4/30/2025
Yes	Post Baccalaureate Graduate	Post Baccalaureate Graduate		Yu-Shin Dina		Brain Effects of Lifetime Racial/Ethnic Discrimination on the LC-NE Function and the Risk for Alzheimer's Discace	limited studies investigate health disparties and blacks have been underrepresented in many prominent U.S. AD biomarker studies and clinical trials. By 2050, 42% of the nation's older adults will be immorities. This demographic shift will represent a critical challenge to older blacks, as current evideos augusts that they may be at greater risk of devolution [AD, with 2-3 times higher prevalence rate. Although it's been difficult to explain why AD disproportionately affects blacks, evidence from limited studies suggested that possible race-dependent biological mechanisms may contribute to different expression of AD overall, these results indicate that the current ATN biomarkers for AD (i.e., anyvidi (A), Latt (T), and neuro-degeneration (N) may not health disparties in AD hisk and may lead to under-diagnosis of AD among blacks. Degeneration of the locus contrulues (LC) is an biolupious feature of AD and postmortem studies suggest that loss of LC neurons better predicts the onset and severity of symptoms of AD than AD/neurofordiary tangles or cell loss in any other brain region. We have previously demonstrate the vulnerability of the LCD signing and stress, and our preliminary data shows faster LChonepinephrine (NE) functional decline among blacks, possibly relate to liteline experience of discrimination. This study will eave there the soft LC-Net function better predict cognitive decline than current ATN biomarkers. This timonate study represents a novel approach to racial dependent strategies for diagnosis and therapeutical interventions in AD.	6/29/2023	R01AG072644	7/1/2026
100	Grauuale	Grauuale	management, etc.	Ding	RADIATION-DIAG	Discase	1	012312023	101700/2044	1/1/2020

							-	1	1
Yes		Graduate student, Post Doctoral trainees	Ability to work well independently and collaboratively on complex tasks and to lead junior staff in the conduct of research. Commitment to issues of diversity, equity, and inclusion	Alan Mendelsohn	PEDIATRICS	Public health disasters, such as COVID-19, have dispropriorate consequences on low-income and racial-ethnic minority communities through pathways that likely exacurbate disparities associated with poverty and racism, and act over extended periods. Young children we unkneative to detections diffects of the production of ancient and the set extended period. Young children extended periods. Young children evaluates to the set exceedures, periods as a within a set opporting to determine whether healthcare- and community-based interventions have activate disparities. The proventy for families with young children living in public health disaster, much less one with potentially compounding diffects on poverty related and naial/ethnic lipion (Suprime A). There were different clies (New York Cite, Pittburgh, PA and Filtr, MI), 21 that include on-income, Black and Lainx families. 3) involve trials of acabe prevention is attenuating in the origin exact health interventions and exact be exact and with an advise in the orticat of COVID-19. Were application provides a unique opportunity to determine whether healthcare- and community-based interventions initially targeting pathways of adversity for families with young children living in poverty for an exact visit withing of disparities in the ocrited of COVID-19. Were application provides a unique opportunity to determine whether healthcare- and community-based interventions in the set acts on constructing sevent data sets carss our subtes (including three NICHD ROT) and a set access familias toggituring with multiple information in the NICHD ROT in the event different different like (Wer York Cite, Pittburgh, PA and Filtr, MI), 21 that include on-income, Black and Lainx families. 3) involve trials of adababe preventities interventions for the ADN and third psychosocial development, the optical approximation to assess family socioacial development, the adabab preventities interventions for early school age period. Thus, the current application readinates and current applicati	8/9/2022	R01HD109187	7/31/2027
		Graduate student,Post Doctoral	Programming experience in python and R; bioinformatics experience; statistics and machine learning; high dimensional	Jonas	MICROBIOLOGY/I	The human gut microbiome is associated with a range of desases, and may positively or negatively affect the success of the repies. However, the causal directions between the human gut microbiome and has hashed microbiome and be associated with a range of desases, and may positively or negatively affect the success of the repies. However, the causal inferioring the application of causal inference frameworks. Such data can be mined for potential microbiome divers of host health, especially if both the microbiome and host heads of potential confounders, allow the application of causal inference frameworks. Such data can be mined for potential microbiome divers of host health, especially if both the microbiome and host heads of potential confounders, allow the application of access information in published a vest to include the line courses, avere perturbad during of the time courses. We have recently ublished a vest to include the adverte success of the set from concer patients undergoing severe perturbad during to their incrubiome explains. We have recently ublished a vest to indication and web severe perturbad during technique that mables rapid exploration of our data through effective visualization and aveb-based interaccio. We will develop a new machine-learning technique that mables rapid explorations of our data through effective visualization and aveb-based interaccions. The will develop a new machine-learning technique that mables rapid explorations and be gut threaged data set of patient microbiome engineering. Finally, we will valed as the directive train interactions and the gut microbiome. For this, we will everage our regret and microbiome modulation of pharmacokinetics. I discovery latitors for microbiome modulation of pharmacokinetics. I discovery latitor for results indicating that human-targeted medications may influence gut ecology using in situ data, and it will identify potential gut microbiome modulation of pharmacokinetics. I discovery latitoring thead throw that ave sthem in thead thead thro			-10.0000
	Post Doctoral	Post Doctoral	data visualization	Schluter Tanya	MMUN/VIROLOGY	Black women experience disproportionately high rates of hypertension compared to women of other racial and ethnic groups, and their blood pressure (IBP) control rates are well below targets despite high levels of awareness and texament. There is an urgen head for deficiency control and the set of	7/26/2022	DP2Act Al164318	
Yes		Post Baccalaureate Graduate,Gradu ate student	Not specified	Antoinette Schoenthale r	INTERNAL MEDIC	Patient-provider relationships characterized by high levels of commitment and trust are certral to delivering high quality care for improved hypertension (HTM)-related aucomes. Unfortunately, health degrat populations are least likely to be in patient-provider relationships characterized by high levels of commitment and trust leading to negative affective, behavioria and physiological patient outcomes including hightened anxiety during the interaction, medication non-atherence, and poor blood pressure (BP) control. COVID-19 not only hightighted these social negutites but also led to a rapid change of our health system Tom manity in-person to behealth visits. While telehealth hists show great preventes a transmit bit is person all developed and thereage the infrastructure established by our INMH-D-Houdde R01, which will support 10 primary cares clinics in the impation of technology-facilitate team can (herein called social measures of the certain charter and physical patient control. COVID-19 not only highlighted thick social and providers to interact via secure messaging through the electronic health repatient portals. While a central premise of ALTA is that it will build clinic capacity to deliver equitable, high-quality care and (herein called and providers to interact via secure messaging through the electronic health repare technologies on patient- provider transmork, the proposed study will imply a patient health outcomes (tertary outcomes) across 10 primary care clinics and 170 patients with noncomile difference across of support solution will be abient-provider transmork, the proposed study will methy automately automately automately actionated and and charter (eastion ship communication and second study design the dation scheme equiles and brank extrated data on clinics and second schemes clinics and second schemes clinics and second schemes clinics and second schemes clinics and scheme and LTA is intrated weak of hew highlighted proposition and and thereactions and second schemes clinics and	3/23/2023 7/11/2023	R01MD016402 R01MD018018	3/31/2027 1/31/2028
		Post Doctoral trainees	Not specified	Devin Mana	INTERNAL MEDIC	Uncontrolled type 2 diabetes (T2D) is a major health problem in the US that constitutes a significant cause of morbibity and mortality, particularly in wutherable populations who comflicus to suffer disproportionauthy higher rates of complications. Despite the significant physical and psychosocial impact T2D has on patient's behavioral, functional and clinical outcomes, such of dinicit practice continue to suffer disproportionauthy higher rates of complications. Despite the significant physical and psychosocial impact T2D has on patient's behavioral, functional and clinical outcomes, such of dinicit paratice continue to suffer displets controlled by patients and primary care providers (PCP) will be untattanable. To address the patient's perspective of their Haelth and functional status into diabetes care, achievement of the outcomes designs to evaluate the efficacy of a technology-haaed patient-ipport outcome (PRO) system, the Moden Journal System, for management of T2D [MIS DIABETES]. MJS is an invocative mobile patient that utilizes the emessagin (ps. contented design approach; and 2) a clinical-ficiacy phase, and theread (EHR). Using a mixed-methods design, we will conduct this study in two phases: T2D patients and performabased surve contented design approach; and 2) a clinical-ficiacy phase. The functional phase well actively and the estimate or advolute the intervention are subject of T2D patients and PCPs in order to prolume the total performance and wurdtow integration. For the clinical efficiacy phase, well actively and control trial, the ficacy of MIS DIABETES well active of PCPs in order to optimize the total performance and wurdtow integration. For the clinical efficiacy phase, well actively and control trial, the ficacy of MIS DIABETES well active of the provide combinate the total performance and wurdtow integration. The clinical efficiacy phase, well actively and and antication and actively and the experiment of the trintemention arm will be envice the subject and the subject of patients. PPCD an	6/28/2023	R01HS026522	5/31/2028

		Post Doctoral trainees	Not specified	Devin Mann	INTERNAL MEDICI	Do no digital harm? A multilevel evaluation of technology- facilitated team care on the patient provider relationship in health disparity populations	Latinx adults experience a disproportionate burden of cardiovascular disease in the United States, driven in part by structural barriers to accessing and utilizing care. Latinx patients are at risk for hypertension (HTN), and are less likely to be able to access necessary care to manage this condition. Digital health tools such as rende patient monitoring (RPM) have potential to improve the care of Latinx patients with HTN by enabling more frequent and tailored monitoring of blood pressure, providing additional health information, empowering patients, and enhancing care decision-making without disrupting patients' daily likes. However, there are significant disparities in the access and use of these digital tools, as well as challenges to equitable and sustainable implementation. To mitigate these disparities, there is urgent nade to learity the implementation and RPM or driverse populations and address social attructural did digital determinants of health to help patients manage health conditions, provide culturally and controlutual (competent support, and majdate complex health systems: "Lick-health of the carebias and structural determinats of health to make RPM care more age patient needs. Cummunity health workers (CHWs) are specifically trained to address social and structural determinats of health to field patients manage health conditions, provide culturally and controlutual (competent support, and majdate complex due disc, digital health, quantitative and qualitative study design, data analytics, and health discurs determine 1 the addition of RPM emplexement and the patients manage health conditions, applical health, quantitative and qualitative study design, data analytics, and health discursting and the specific trains and the study design. Supportable is the study design and the specific trains and the study design and the specific trains and the study design. The study design and the study design and the study design and the specific trains and the study design and the study design and the study des	7/21/2023	R01HL165427	1/31/2028
		Post Doctoral trainees,Junior	Those interested should have a Ph.D. in one of the following areas: Public Health, Clinical neuropsychology, Neuroscience, Epidemiology, Social epidemiology, etc.), or a related field. Applicants should be highly motivated, with exceptional communication	Omonigho		Using a Health Disparity Research Framework to examine mechanisms linking Obstructive Sleep Apnea with higher Alzheimers disease risk in older Blacks/African-	Black3/Arican-Americans (blacks) have two times the risk of developing Alzheimer's disease (AD) compared to non-Hispanic whites (whites), in part attributable to the higher prevalence of vascular risk factors. Examining other risk factors: Examining other risk factors: Examining other risk factors: Examinist and delineating pathological mechanisms associated with this higher AD-risk in definition (accessed on cnging) applied on the start of the subcoding of the start o			
	Faculty Post Doctoral	Post Doctoral trainees,Junior Faculty	internal drive to Jean non one Jean non one Jean non one Those interested should have a Ph.D. in one of the following areas: Public Health, Clinical neuropsychology, Neuroscience, Epidemiology (Neuro- epidemiology, etc.), or a related field. Applicants should be highly motivated, with exceptional communication skills, and a strong internal drive to	Omonigho Bubu	PSYCHIATRY	Treatment of OSA on sleep- dependent memory and blood biomarkers in blacks	Growing evidence suggests that obstructive sleep aprea (OSA) patients have cognitive impairments as well as increases in Alzheimer's disease (AD) biomarkers such as anyloid beta and tau. Positive aitway pressure (PAP) therapy is an effective treatment for OSA but is often limited by suboptimal adherence. Anecdotal evidence show both short and long-term adequate OSA treatment improving attention, psychomotor speed, memory and executive function deficits associated with OSA. However, there is scarcity of data regarding the impact of OSA treatment among blacks on neurocognitive outcomes, despite having a disprotoinate burden of OSA and AD, as well as a taditionally low treatment and herence. In this innovaitive bypothesis-driven subdy, well address inadequate adherence to OSA treatment in blacks with "personalized multi-modal OSA treatment", tailored to reduce health risks in minoritized comunities by offering any combination of PAP, oral appliance therapy (OAT) and positional therapy, as well as address individual and system-level barries through no-cost enormilated educational/simutational use, and real-line adherence nominoing that results in an effective reduction in AHI. Using a pre-and-post treatment diseign, we will examine the personalized multi-modal OSA treatment effect on within-subject changes on i) blood-based biomarkers of neurodegeneration (AMI-1), iii sjeen-dependent spatial mavigational memory and functional magnetic resonance imaging (MMI) (AMI-2), and ii) examine usuatianed reductives in AHI at the degree of effective AHI-totycion by our personalized multi-modal OSA treatment will precise in a sample of so newly will be avecage the success of our Sleep Disparity Workgroup in recruiting rom minoritized communities, and the collaboration with affiliated sleep files. Frior to and atter 3-months of personalized multi-modal OSA treatment, all subjects will undergo a nght of in-lab polysomorgraphy with a pre-sleep and post-sleep biolad draw and spatial inavgational memory test in the MR asca	5/19/2023 8/18/2023	R01AG082278	8/31/2026
		Graduate student, Post Doctoral trainees	Warane booking for a self-driven, creative, and interactive individual who is motivated to acquire new skills and work with an interdisciplinary team. The ideal candidate would have a degree in software engineering, computer science,	Bubu Ricardo Lattanzi	RADIATION-DIAGN	Cloud MR: an Open-Source Software Framework to Democratize MRI Training and	Cloud MR: an open-source software framework to democratize MRI training and research This project is a competing continuation of our project entitled Novel Software Tools for Rational Design and Assessment of MR Colls, which yielded seminal advances in understanding radiofrequency coll performance at high and utbar-high field. It also delivered novel computational tools for rapid coll simulation using Integral Equation techniques, and introduced the utimate intrinsic transmit efficiency as an absolute metric for transmit coll performance. Our other integrate these advances into the development of Cloud MR, a comprehensive framework to simulate all aspects of the MRI appeinment. By means of an intuitive web-based user integrate. Cloud MR will allow the development of RF colls, public sequences and image reconstruction methods within an interconnected simulation environment that will mable users to ophinics them jointy or individually. We will introduce the first web-based tool fravoulde the sequence and integrate these advances in the modeling and simulation of flexible RF colls, as well as an innovative tool for public sequences and pairs transmit of providing and within a interconnected simulation and pairs large and public to anyone with an interconnection sequence appendixes of the transmit of the secure Description Language. We will train a convolutional neural network for the removal of Clobe and the security of the advance the security of the securit	8/18/2023 12/30/2022	R01EB024536	8/31/2026 11/30/2026
Yes	High School	High School	Reading and understanding scientific journals, clear and concise writing, making/creating figures for scientific dissemination, honesty and integrity	Yvonne Lui	RADIATION- DIAGNOSTIC/ON COLOGY	Diffusion MRI Model Parameter Estimation to Study Brain Microstructure as it Relates to Cognitive Status in Mild Traumatic Brain Injury	Mild Traumatic Brain Injury (MTBI) is a major public health problem with U.S. annual incidence of over 2 million. We propose to use an innovative paradigm in bicompartment diffusion MRI model parameter estimation to study the dynamic longitudinal microstructural changes that cour after MTBI and to investigate the link between white matter injury, contrain dynamic and users of MRI and to investigate the link between white matter injury, contrain compared with traditional, empirical macroscur after MTBI and provide more biophysical relevant information compared with traditional, empirical massures of MTIsuino Tinsor Imaging (DTI). We will employ a rotationally invasion formation scheme for the so-called "Standard Modef" of diffusion in white matter which unifies previous attempts of multi-compartment white matter modeling over the past decade, now a widely accepted benchmark for multi- comparation throughing of diffusion in white matter which unifies previous attempts of multi-compartment white matter and unically leasible protocol for this translational project. The proposed write is specied to bridge the gap between macroscopic and microstructural attentions relevant to cognitive status after hypits, versality the dynamic structural data leading to cognitive and to cognitive status and explore the space of the species of the species in an acception explore the space of the species in a son-specific microstructural partentions relevant to cognitive status after hypits, revealing the dynamic structural data leading to cognitive status mater structural attraditions relevant to approximate the specific attractions and protect. The proposed work is specific to bridge between macroscopic and microstructural attraditions relevant to cognitive status and environs. By concentrating concentrations relevant to cognitive status and environs. By concentrating or paragraditive status after hypits, and the specific attractive status and an accentructural attractions in relevant to the sproved status and attractions.	7/31/2023	R01NS119767	7/31/2025

	student,Post	Graduate student,Post Doctoral	Laboratory		INTERNAL		More people die of cardiovascular disease (CVD) than any other disease worklavide. Our propesal focuses on the biogenesis and catabolism of atherogenic apoB: containing lipoproteins (apoB-Lps), which are major risk factors for CVD. ApoH-Lps comprise both chokesteral and intijvervides (TGS). Whereas rotacularing chokesteral is well estimated atherosciencis, it remains to be convincingly determined whether decreasing levels of TGs or the apoB-Lps that carry TGs will decrease CVD. Blocking secretion of apoB-Lps by the liver reduces levels of cholesterol -tich apoB-Lps, such as LDL and its TG-rich procursor VLDL Unfortunety, such approaches have lid to hepatostatosis. However, human genetic mutation and anima sludies demonstrate that reduced levels of cholesterol -tich apoB-Lps by the liver reduces levels of cholesterol -tich apoB-Lps by the liver reduces levels of cholesterol -tich apoB-Lps by characterizing novel factors and pathways regulating liver apoB-Lp production, Intravascular timpsort. Such aportacent and there decreasing of the apost aportable out discovered with lowand data, emphasizing and Lps the hepatoxytes, and 3 joud phow different apoB-Lps in the apost aportable out discovered with human data, emphasizing a translational and transformative approach. Our overall goels are to: 1) identify new processes and factors regulating circulating TG and FA levels, 2) investigate the lipidation and imageliate work from three established investigators of apoB-Lp metabolism and atheroscienciss. If will investigate the rice of adpose MTP and F12 in regulating adpose lpoyles, incrualing lipida, hepatic apg8-Lp produces. To will apply the poort phore and there application application application application application and there application application and there application application and there application a			
Yes	Junior Faculty		Preferably someone with Clinical Decision Support, Informatics, Behavioral Economics, and/or Design experience.	Safiya Richards	INTERNAL	EHR Nudges: Optimizing a Clinical Decision Support System for Evidence- Based Statin Medication Prescribing to Reduce the Risk of Cardiovascular Disease	Status reduce the risk of major adverse cardiovascular events and mortality. However, providers fait to prescribe statin threary for abuch Half of patients meeting judeline-criteria for initiation. The electronic health record (EHR) creates opportunities to develop chical decisions upport systems (CDSSs) to support cardiovascular disease (CVD) risk recognitive, and emaigneent. However, low provider adoption has limited the clinical impact of CDSSs design represents a novel approach to improving adoption by minimizing by barneries - provider time and cognitive lead burden. Behavioral economics studies the effects of psychological, social, cognitive, and emaigneent. However, low decision-making, For example, "opt-out" options for organ donation conscious level. Nudges are defined as positive reinforcement and indirect suggestions which have a non-forced effect on decision-making, For example, "opt-out" options for organ donation conscient lead to striking differences in enrolling and toptimization strategy (NOST) framework developing CDSSs that minimize graduate and unpactful (i.e., optimized). The overall objective of this provade is to developing adoptimize a CDSS, including several nudges, to increase guideline-concordant statin prescribing (MOST) framework (M	12/11/2023	R01HL171292	12/31/2028
Yes	Graduate student,Post		Immunology Microbiology Willing to work in BSL3	Chiara Giannarelli	INTERNAL MEDICINE/MEDICI NE	Not Specified	not specified	not specified	not specified	not specified
Yes	Undergraduate, Post Baccalaureate Graduate,Graduate student	Undergraduate, Post Baccalaureate Graduate,Gradu ate student		Jeannette Beasley	INTERNAL MEDICINE/MEDICI NE		Over 24 million Americans are 265 years and have prediabetes. Prediabetes can be addressed using a public health approach: among the 20% of participants in the Diabetes Prevention Program (DPP) who were ages 60 and over, the det and physical activity intervention conformed a 71% risk relation of diabetes after an average follow-up of 3 years. The population of older addls is projected to more than double from 52.5 million in 2019 to -100 million by 2060, and if projections hold, about half (48.3%) will have prediabetes. The proposed study will compare a DPP program Tailored for Older Adults and delivered via Teleheath (DPP-TOAT) ram () can in person DPP tailored or older addls (DPP ami) using a randomized, controlled triad design (n=230). Our preliminary data suggests DPP-TOAT is a feasible and acceptable way to deliver the DPP to older addls. Band this this tastly to compare the effectiveness and implementation of two strategies (fieldheadth versus in-person) to deliver a tailored DPP for the unique needs of the growing population of older addls. Bigliop leadness will be reincicine health necodis (Egic) and X-addls are addless and an evidence-based intervention that could reach the 24+ million adults aged 65 and over with prediabetes.	11/28/2022	R01 DK127916	11/30/2026