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University of New Mexico Health Sciences Center Discovery Research Annual Report 2020

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UNIVERSITY OF NEW MEXICO HEALTH SCIENCES CENTER

Discovery

Research Annual
Report 2020

Pandemic Partnerships

Teaming Up to Tame the Coronavirus

TURNING RESEARCH INTO CURES

UNM Health Sciences Center Research Annual Report 2020

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UNM HEALTH SCIENCES CENTER

VISION

The University of New Mexico Health Sciences Center will work with community partners to help New Mexico make more progress in health and health equity than any other state.

MISSION

We will provide an opportunity for New Mexicans to obtain an excellent education in health sciences, advance health discovery and innovation in the most important areas of human health and ensure that all populations in New Mexico have access to the highest-quality health care.

CORE VALUES

The UNM Health Sciences Center's mission is guided by our values of excellence in education; patient care and research; commitment to service; quality and safety; integrity and accountability; respect and compassion for all people; teamwork and collaboration and providing hope for those we serve.

Research Annual Report 2020



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RICHARD S. LARSON, MD, PHD

Executive Vice Chancellor for Health Sciences

I'm very pleased to report that the UNM Health Sciences Center was awarded a record \$205.8 million in external research funding during FY 2020, representing net growth in 15 of the past 16 years.

This remarkable achievement is especially significant given the epic challenges faced by academic health centers like ours in the face of the COVID-19 pandemic. I'm extremely proud of the way our faculty, staff and students stepped up to keep our research enterprise on track this year.

We recently received a third five-year renewal of our Clinical and Translational Science Award from the National Institutes of Health, and in coming months we anticipate renewal of the UNM Cancer Center's comprehensive designation by the National Cancer Institute.

These achievements are truly a tribute to your drive and hard work. UNM HSC scientists are advancing the understanding, diagnosis and treatment of many diseases, including asthma, cancer, stroke, Alzheimer's disease, substance abuse, heart disease and behavioral health conditions.

Our work extends beyond the lab: our faculty members conduct

research in underserved and rural areas throughout New Mexico, where they are improving access to care, addressing chronic disease and increasing access to clinical trials and state-of-the-art technologies.

Research distinguishes academic health centers like ours from other health care providers. In fact, the integration of research, education and clinical care at academic health centers drives much of the innovation in the U.S. health care system. We should all be proud of our contributions to the advancement of health and health care in our nation.

Through our grant funding, the UNM HSC research mission provides tremendous economic impact and job creation for New Mexicans. New discoveries and patents stimulate business creation and support a growing bioscience industry. Most important, our research has a powerful impact on health care, both locally and nationally.

As I frequently remind friends and colleagues, research brings hope, and I'm confident that in the coming year we will play a vital role in improving health care in New Mexico, the U.S. and the world. ■

The COVID-19 pandemic has affected every facet of our lives, and challenges us in ways most of us have never experienced. Since becoming interim dean in July, I have been impressed with our researchers' efforts to develop vaccines, find effective therapeutics and devise sterilization methods to preserve personal protective equipment.

The Department of Neurosciences, led by Bill Shuttleworth, PhD, has been continually funded for its Center for Brain Recovery and Repair and the New Mexico Alcohol Research Center, as well as a National Institutes of Health training grant. The department ranks 17th nationally in NIH neurosciences research funding.

The Research Education Office has fostered undergraduate, pre-doctoral and post-doctoral biomedical training and career development. Congratulations to senior associate dean Tom Resta, PhD, and his team for overcoming the many challenges imposed by the ongoing pandemic.

Jennifer Gillette, PhD, associate professor in the Department of Pathology, helped transform the Undergraduate Pipeline Network into a completely remote experience, including a virtual symposium that highlighted some of the nation's most promising student researchers.

Laura Gonzalez Bosc, PhD, professor of Cell Biology & Physiology,

assumed leadership of the Biomedical Sciences Graduate Program and led efforts to adapt to pandemic restrictions and integrate anti-racism education into the curriculum.

Justin Baca, MD, PhD, associate professor of Emergency Medicine, has been named director of the MD/PhD degree program. I'm excited by the prospects for continued growth of this program under his leadership.

I'd also like to acknowledge our NIH-funded training programs in alcohol research, infectious disease and inflammation, cardiovascular disease and academic science education and research. These programs have greatly enhanced research education for our trainees.

Finally, recognition is due to Angela Wandinger-Ness, PhD, professor in the Department of Pathology, who was honored with the 2020 Presidential Award for Excellence in Science, Mathematics and Engineering Mentoring. She also received the 2020 American Association for the Advancement of Science Lifetime Mentor Award. We are fortunate to have her as a member of our faculty.

Thanks to everyone who has made these research programs a success. They are central to our institution's mission and promise to enhance the health and well-being of New Mexicans. ■



MARTHA COLE MCGREW, MD

Executive Vice Dean, School of Medicine



CHRISTINE KASPER, PHD, RN

Dean College of Nursing

The College of Nursing is adapting in the face of the COVID-19 pandemic as it prepares the next generation of nurses to address urgent health care needs and improve health for New Mexicans, the nation and the world.

Nurses, consistently rated as the most trusted health care professionals, have an obligation to develop new approaches and methods through our practice and research.

I'm pleased to welcome Patricia Watts-Kelley, PhD, RN, FNP-BC, to the College as associate dean for Research and Scholarship. She brings extensive research and mentoring experience that will grow our scholarship and research programs while increasing our extramural funding.

Dr. Watts-Kelley is a retired Navy captain who has held research and leadership positions within the federal government, including health sciences officer in the Department of Veterans Affairs Office of Research & Development. She also held the position of deputy director of Nursing and Allied Health Research at the Navy Medicine Headquarters. She served as the first Navy executive director of the TriService Nursing Research Program and she was director of research services at the National Naval Medical Center.

Her research focuses on clinical knowledge development and continuity of care for wounded service members, military and veteran caregiver burden, health promotion and self-care management for those living with complex chronic conditions.

Dr. Watts-Kelley will further our goal of being recognized as a premier Nursing Research Intensive College, as our scientific investigations look at health through a nursing lens and approach urgent health care needs with our interdisciplinary approach.

Our faculty in the Departments of Bio-Behavioral Health and Rural Health and Equity have signature strengths in health care disparities and equity, oncology and toxicology, genomics, self-management of complex chronic conditions, military and veteran health, gerontology and caregiver burden, eHealth, health services and policy research.

We are proud of our outstanding alumni, who are changing the face of health care around the world. You'll find UNM nurses in neonatal and geriatric units across the nation and in hospitals and academic health centers around the globe. Our graduates lead military medical commands, schools of nursing, national nursing organizations, health care systems and federal agencies.

Onward and upward! ■

College of Pharmacy researchers are committed to improving the health of New Mexicans, including our most vulnerable populations, and tackling the world's most challenging and public health issues. In the last fiscal year they received more than \$10 million in extramural funding.

Beyond dollars, 2020 was a year that demonstrated the responsiveness of College researchers and the impact that our research has had during a global pandemic. When the COVID-19 began to spread throughout New Mexico last spring, our researchers jumped into action.

The New Mexico Poison and Drug Information Center teamed up with the Department of Health to establish the state's COVID-19 hotline to communicate rapidly evolving information. The team also alerted the Food and Drug Administration to a rash of methanol-based hand sanitizer poisonings, which helped to prompt a nationwide warning and eventual product recalls.

Other researchers received NIH funding to explore the impact of increased COVID-19 related stress across minority communities already affected by historical trauma.

The College continued its environmental health research with the renewal of our NIH P50 center, which

draws on longstanding partnerships with indigenous communities to study the health implications associated with exposure to wastes from abandoned mines, combined with microplastic and other plastic degradation products, and most importantly, to develop critical mitigation strategies.

The College also received an NIH P20 Center of Biomedical Research Excellence grant focusing on the adverse health outcomes of metal contaminants in the Southwest, as well as on harnessing the chemical properties of metals for therapeutic and nutritional purposes.

Our substance abuse disorder research focuses on prenatal alcohol exposure, epigenetic studies and naloxone distribution. We also had continued success in the both clinical and foundational research in cardiovascular disease, infectious disease (particularly HIV and vaccines) and pharmaceutical dosage formulation studies.

Clearly, the impact of our research reaches throughout New Mexico and the U.S., and I am very proud to work with such talented and dedicated faculty, staff and students across the research spectrum to translate biomedical and pharmaceutical science discoveries into improved patient care. ■



DONALD GODWIN, PHD

Dean College of Pharmacy



TRACIE COLLINS, MD, MPH

Dean College of Population Health

The COVID-19 pandemic has posed significant challenges for us this year in the College of Population Health – but the good news is we have seen significant advances in our research mission alongside the growth of enrollment in our degree programs.

I'm pleased that our signature Transdisciplinary Research, Equity and Engagement Center for Advancing Behavioral Health – the TREE Center – has received supplemental grant funding to develop COVID-related infectious disease modeling.

Assistant professor Shannon Sanchez-Youngman, PhD, received TREE Center supplemental funding for her partnership with the San Miguel Family and Community Health Council in which she helped teens in Las Vegas, N.M., write and produce digital story frameworks involving their experiences related to the risk factors associated with suicide. It's hoped the intervention will promote new ideas for suicide prevention.

Elsewhere in the College, associate professor Francisco Soto Mas, MD, PhD, MPH, is conducting occupational safety and health

research focusing on organic farmers, a subgroup of agricultural workers who have been neglected by national injury and illness surveillance systems. His team has established a new Assessment, Planning & Evaluation Unit (APEU) that provides technical assistance to community organizations and state agencies.

Assistant professor Laura Nervi, PhD, MPH, MSSc, partners with APEU in several projects, leading cooperation with a community primary clinic in Albuquerque, and a Clinical & Translational Science Center grant to address language and health literacy barriers among Spanish speakers through a smart-assisted learning program. She also continues a line of research on global health policies.

I'm continuing to develop a project I started while at the KU School of Medicine in Wichita involving the use of a smart phone app to promote healthy eating to address chronic conditions like peripheral artery disease in overweight adults. We hope to see additional testing to gauge its long-term effectiveness.

I'm extremely proud of our College's research achievements, and I'm looking forward to seeing where they will lead in the coming year. ■

Pandemic Response

When COVID-19 Came to New Mexico, Health Sciences Researchers Stepped Forward to Study the Novel Coronavirus

By Michael Haederle, Michele Sequeira and Kara Leasure Shanley

As the COVID-19 pandemic spread around the globe last spring University of New Mexico Health Sciences Center researchers sprang into action to study the novel coronavirus and search for lifesaving treatments.

For some, the pandemic was an occasion to revisit earlier work. Graham Timmins and Vojo Deretic posted a previously unpublished paper suggesting that the common antibiotics azithromycin and ciprofloxacin might have lung-protecting properties.

Timmins a professor in the College of Pharmacy, and Deretic, professor and chair of the Department of Molecular Genetics & Microbiology, reported on a decade-old study of azithromycin as a treatment for cystic fibrosis patients, who commonly suffer from lung infections.

Azithromycin alleviates symptoms of the disease, which inflames the tissue lining the bronchial tubes, but it appears to help even when patients don't have an active infection. Similarly, when the coronavirus assaults the lungs, they become inflamed as the body mounts a ferocious immune response, but runaway inflammation can turn deadly, causing multiple organ failure.

Timmins and Deretic think the chemical properties of azithromycin

and ciprofloxacin might be key. Both are weak bases, with a pH higher than 7.0. They suspect the drugs neutralize acids within endosomes – tiny membrane-bound compartments inside the lung cells – that can trigger inflammation.

“Even small changes in pH change the ways those sites in the cells work,” Timmins says. “We think that’s the way these drugs work.”

In another collaboration, a **trio of University of New Mexico scientists** turned to machine learning to cull through a “library” of thousands FDA-approved drugs to identify candidates that could be repurposed as treatments for the COVID-19 infection.

The effort was launched in late March, when the team started looking for – and testing – known drugs that might have antiviral properties, said Tudor Oprea, MD, PhD, professor and chief of the Translational Informatics Division in the Department of Internal Medicine.

Oprea and his team used sophisticated computational methods to comb through the university's [DrugCentral](#) database, which tracks drugs approved by the U.S. Food and Drug Administration, as well as those approved for use elsewhere in the world.

Oprea classified each drug molecule according to which viral proteins it might target, enabling him to pinpoint the mechanism by which it might disable a virus – a critical first step. He partnered with Larry Sklar, PhD, distinguished professor in the Department of Pathology and director of the Center for Molecular Discovery, which maintains a collection of drug samples.

“Tudor identified molecules in the library that would be tested,” said Sklar, who screened them using a highly efficient method called assay



miniaturization. Drug candidates were then passed on to Steven Bradfute, PhD, assistant professor in UNM's Center for Global Health, who tested them against the live virus in his Biosafety Level 3 laboratory.

The UNM team then shared its list of candidates with the National Center for Advancing Translational Sciences (NCATS) to see whether NCATS could confirm their findings

As SARS-CoV-2 coronavirus reproduces, variations appear in its genetic code. Accumulating over time, these changes are like fingerprints, leaving a telltale trail of clues about where the virus has been – and where it might be headed.

HSC researchers Darrell L. Dinwiddie, PhD, and Daryl Domman, PhD, took on the role of genomic detectives to help crack the case.

Dinwiddie, an assistant professor in the UNM Department of Pediatrics, sequenced coronavirus samples in his molecular genomics lab.

Dinwiddie collaborated in the analysis with Domman, PhD, an assistant professor in the Department of Internal Medicine who specializes in genomic epidemiology and has had prior experience following outbreaks of cholera around the world.





They partnered with SARS-CoV-2 SPHERES, a national consortium of research universities and public health departments sponsored by the National Center for Emerging and Zoonotic Infectious Diseases (a branch of the Centers for Disease Control and Prevention) that pooled crucial information about the virus.

The coronavirus genome is encoded in strands of a molecule called RNA. Minor changes in the sequence of nucleotides within the strand provide information about how closely related one viral sample is to another.

The consortium used these samples to create a viral family tree. A preliminary analysis of samples collected in New Mexico suggested there were multiple introductions of the virus into the state, which is consistent with early reports of cases among people who had traveled abroad or domestically.

Genomic variation in viral reproduction is a natural process. “For the SARS-CoV-2 S the rate of genomic change has been fairly stable,” Dinwiddie said. “We know



Steven Bradfute, PhD



Bryce Chackerian, PhD



Vojo Deretic, PhD



Darrell Dinwiddie, PhD



Tudor Opea, PhD



Christina Salas, PhD



Graham Timmons, PhD


how quickly it changes. Based on that information we can make predictions about how far back different samples have gone.”

Meanwhile, in the Department of Molecular Genetics & Microbiology, longtime collaborators David Peabody, PhD, and Bryce Chackerian, PhD, joined the worldwide race to develop a vaccine to prevent COVID-19 infections.

Over the years they have used virus-like particles to tailor vaccines that can attack a host of different targets, including human papilloma-virus, malaria and even metastatic breast cancer cells.

In this case, Peabody said, “We make a virus-like particle that displays on its surface bits of SARS-CoV-2, and if those bits of SARS-CoV-2 elicit antibodies that neutralize the virus, that’s a vaccine.” The pair partnered with Bradfute’s lab at the Center for Global Health, and Kathryn Frieze, PhD, and Alison Kell, PhD, in Molecular Genetics & Microbiology to test their vaccine candidates.





“We make a virus-like particle that displays on its surface bits of SARS-CoV-2,” Peabody said. “And if those bits of SARS-CoV-2 elicit antibodies that neutralize the virus, that’s a vaccine.”

Center for Global Health faculty also turned their attention to studying patterns of SARS-CoV-2 infection under the guidance of director Douglas J. Perkins, PhD.

A team visited University of New Mexico Hospital to look for fomites: something in the environment that could carry infection. Team members swabbed surfaces around the hospital that could be contaminated with the virus, including personal protective equipment and the exposed skin of health care workers.

In the lab, Perkins and his team isolated RNA from the swabs to see if any of it was from SARS-CoV-2. If they found viral RNA, the team exposed cultured cells to that contaminated sample to see if the virus will grow.

Another team collected nasopharyngeal swabs and blood samples from COVID-19 patients hospitalized at UNMH to study their immune responses. They categorized the samples as severe or non-severe based on the patients’ symptoms and survival. Then, the samples were subjected to next-generation sequencing to discover what gene networks differed between the two categories.

“Once you find emergent pathways that are good for discriminating between the groups, you go in and look specifically at that pathway and all the genes in it,” Perkins explained. This helped researchers determine what drugs might block “severe disease genes” and test how they work in the severe patients’ blood cells.

Christina Salas, PhD, an assistant professor in The University of New Mexico Department of Orthopaedics & Rehabilitation usually focuses on biomedical engineering problems, like developing new joint replacements.

But when the COVID-19 pandemic reach New Mexico she and a team of volunteers, engineering students and research assistants manned

3D printers to produce thousands of protective face masks and face shields, most of which found their way to the Navajo Nation.

In August, Salas and flight nurse Laura Kief Shaffer, her partner on the mask-printing project, were featured among “The Badass 50, Healthcare Workers Who Are Saving the Day” in InStyle Magazine.

The mask-printing effort was launched after Shaffer, who was helping to transport patients from hospitals in Gallup, found workers there wearing bandanas instead of surgical masks and wrapping themselves in plastic bags because they lacked sufficient PPE to safely work around COVID patients. Shaffer’s plea for help found its way to Salas, who was ready with a technical solution.

The masks are made in four color-coded sizes. Each 3D printer can create multiple masks at a time, an automated process that takes 12 to 14 hours. Afterwards, the volunteers sand each mask down to remove excess filament and package it for shipping.

The soft plastic mask hugs the face, and a detachable cartridge holds commercially available air conditioning filters capable of blocking the passage of the coronavirus. The masks can be wiped down with alcohol or hydrogen peroxide – or sterilized with ultraviolet light – and are reusable.

Salas has made frequent trips to Gallup hospitals and eastern Navajo chapters to assess the need for PPE. “We bring along donations of food, water and diapers – you name it – anything someone might need a disaster relief situation.” ■

Scientific Support

Domenici Hall to Host Brain Injury and Substance Use Disorder Research



By Robert Oliver

The University of New Mexico Health Sciences Center has received \$4 million in funding from the National Institutes of Health to expand facilities at the Pete and Nancy Domenici Hall to support Interdisciplinary Substance Use and Brain Injury (ISUBI) research with state-of-the-art equipment and laboratory space.

Executive Vice Chancellor Richard Larson, MD, PhD, in collaboration with Bill Shuttleworth, PhD, professor and chair of Neurosciences, Brandi Fink, PhD, associate professor in the Department of Psychiatry & Behavioral Sciences, and Ludmila Bakhireva, MD, PhD, MPH, professor in the College of Pharmacy, applied for the Biomedical Research Facilities Co6 matching funds grant to create a new core facility to further

interdisciplinary research into substance use and brain injury.

Domenici Hall is already the site of ongoing brain-focused research. Construction is estimated to be completed by Summer 2022, and although there may be delays due to the COVID-19 pandemic, the prospect of new research space has already stimulated the development of new grant funding and novel research at UNM HSC.

“Brain injury and substance use are two research areas that are critical for New Mexico,” Shuttleworth said. “This facility will be invaluable for bringing together the best talent in the region, and create the critical mass needed to tackle tough problems.”

Neuroscience integrates ultrafine research at the cellular and molecular level, animal behavior, human-based

brain functional studies – and ultimately, human behavior itself.

With this in mind, the grant task force sought to develop a facility where all of these levels of research could occur in the same space. “The ground floor focuses on preclinical work, while the second floor houses clinical research and ‘big-data’ analyses,” Shuttleworth said.

“Having everyone in the same building, and sharing common resources increases efficiency, but also provides the opportunity for ‘coffee pot’ talk between researchers in different neuroscience subfields,” he said. A molecular neurobiologist and a clinical MRI researcher might come up with an entirely new way of solving a research question in the course of a short conversation in between experiments. ■



The new facility will also allow for the seamless combination of research strategies at different levels for more holistic research projects, including “wet lab” molecular research spaces, animal behavioral facilities and novel human-focused research laboratories – some of the most state-of-the-art research spaces in the state, and possibly the Southwest.

One human behavioral suite will be an “apartment” laboratory, designed to mimic an everyday living space. It will allow researchers to study interpersonal relationships between subjects performing everyday chores or cooking.

An alcoholism-focused laboratory seeks to reconstruct a bar

environment to study the effect of alcohol-related cues that could lead to relapse. This facility will be used in conjunction with a group therapy center to develop better interventions to mitigate a patient’s propensity to relapse in response to these cues.

The bar laboratory might also be used in conjunction with human brain-imaging facilities to study how activity in specific brain regions shifts in response to those cues.

The promise of this new facility has already stimulated new collaborations among UNM researchers. Development of the new facility was also integral to recent renewal of the UNM Center for Brain Recovery and Repair, an NIH-funded COBRE

center grant led by Shuttleworth to develop interventions for stroke and traumatic brain injury.

“The main point of the building is to provide nationally competitive resources to attract best researchers regionally and increase the critical mass of investigators working on these two topics (brain injury and substance use) that are of such critical importance of communities around New Mexico,” Shuttleworth said.

“We want to create critical mass of the best and brightest in the region working on these important problems,” he said. “Creating a state-of-the-art physical home is a big step forward, and we’re excited to get to work.” ■

Major Milestone

UNM to Launch New Alzheimer's Disease Research Center

By Michael Haederle

The National Institute on Aging has awarded a three-year \$3.1 million grant to establish an exploratory Alzheimer's Disease Research Center at The University of New Mexico that will provide care and clinical investigation for residents with cognitive decline.

The new center – one of four that are joining an existing network of 31 federally funded Alzheimer's centers – will provide New Mexicans with access to the latest in clinical evaluation, treatment and research for cognitive disorders that will afflict an increasing number of people as the population ages.

“Our exploratory center will prioritize American Indians and other rural and underserved populations in New Mexico,” said Gary Rosenberg, MD, director of the UNM Center for Memory & Aging and the principal investigator on the new grant.

“This will be one of the only Alzheimer's centers in the Mountain West,” he added. “Except for one in Arizona, there are none in Colorado, Utah, Texas and the other states up to the Canadian border. This gives us unique opportunities to improve dementia care in New Mexico and surrounding states.”

The new centers mark a strategic expansion into areas of the country that until now have been under-represented in Alzheimer's research. The UNM group will provide an on-site cognitive assessment clinic and use a mobile magnetic resonance imaging scanner to incorporate cognitive and dementia care for Native Americans who reside in rural areas of New Mexico.

The scanner is operated by the Mind Research Network, which shares quarters on the UNM Health Sciences campus with the Center for Memory & Aging. Once the COVID-19 threat subsides, the study will begin on New Mexico reservations and pueblos with the Mobile On-Site Screening and Testing program.

The Center will also focus on co-morbid diseases in a partnership with several pueblos established by UNM scientist Vallabh “Raj” Shah, PhD, who has spent a quarter century working with Zuni Pueblo to help mitigate health effects of diabetes and kidney disease. Shah is joining in this new initiative, as these diseases are major contributors to cognitive decline and dementia.

While UNM's new exploratory center will enhance relationships between the School of Medicine and the state's American Indian communities, it will also engage those with memory disorders throughout the state to participate in clinical care, treatments and research, Rosenberg said.

The grant provides funding for three years to establish and enhance cognitive care and research programs at UNM, Rosenberg said. This will pave the way for a successful competition to transition to a fully established Alzheimer's Disease Research Center that will serve as a long-term resource for New Mexico. ■

The new centers mark a strategic expansion into areas of the country that until now have been under-represented in Alzheimer's research.

Gauging the Risks

UNM Metals Superfund Study Evaluates Toxic Exposures in Southwestern Native American Communities

By Rebecca Sena

By some estimates, 600,000 Native Americans in the Southwest live within 10 kilometers of abandoned hard rock or uranium mines, where they are exposed to metals in the soil, air and water.

The University of New Mexico METALS Superfund Research Program Center, funded by a \$1.3 million grant from the National Institute of Environmental Health Sciences, seeks to determine the toxic effects of metal exposure in Native American populations.

METALS Center director Johnnye Lewis, PhD, Research Professor in the College of Pharmacy, explains how metal exposure affects these communities.

“Exposure during active mining was shown to increase the risk and severity of kidney disease, while community exposure, or the exposure that occurs from waste that is left behind, increases the likelihood of developing hypertension and other chronic diseases, such as diabetes and cardiovascular disease,” she says.

Although some health impacts of metal exposure are well established, “it has not been as straightforward as we thought to figure out how the exposures are happening,” Lewis says. Laguna Pueblo and the Navajo communities of Red Water Pond Road, and Blue Gap/Tachee have partnered with UNM to gain more insight.

Studies have primarily focused on uranium exposure, but it has become apparent that “virtually every metal you can think of contaminates these sites,” Lewis says.

The METALS center takes a multidisciplinary approach, with collaborations occurring between UNM Main Campus and the Health Sciences Center. Main Campus experts are focusing on the environmental aspects of the study, including the movement and transport of mine waste, while HSC faculty are focusing on the biology.

One project looks at the toxic effects of metal exposure on a cellular level and has already unearthed some exciting discoveries.

“Uranium and arsenic, both of which are in the waste we look at, were found to inhibit the ability of the body to repair damage to DNA,” Lewis explains. Essentially, these metals can attach to pockets in DNA molecules to prevent the binding of zinc, a necessary element critical for the function of a DNA-damage repair protein.

“The interesting thing about that finding was if you had a sufficient amount of zinc in the system, it outcompetes the metals to restore the function of the protein,” she says. Unfortunately, a large percentage of the Navajo community are zinc deficient, which really “sets up the perfect storm,” Lewis says. This work is still

ongoing, and researchers continue to learn more about how various metals interact in the process of DNA repair.

Another major problem that Lewis and her colleagues encounter with metal exposure in the Native American population is immune dysfunction.

“We started looking at the immune response, because clinicians saw a need to treat much more aggressively for infectious disease,” Lewis says. “Inflammation produced by these metals in various systems is one of the fundamental problems that we are seeing.”

The production of cytokines, the chemical messengers that mediate the immune response, are also believed to contribute to the reported immune dysfunction.

Lewis believes that the collaborative efforts and community involvement of the METALS Center benefits everyone.

“When you bring that many perspectives in on it, it creates a synergy that you do not get in an individual lab,” she says. The ultimate goal of the METALS project is not only to better understand how exposure is occurring, but to reduce the risk of exposure and develop an effective intervention.

“It’s not just about understanding our basic science mechanisms, but how we can use that knowledge to reduce the risk that people are facing to drive better cleanup, break exposure and reduce effects.” ■

Diving Into the Data

New College of Nursing Research Sheds Light on Health Policy

By Michael Haederle

Data-driven medical records analysis that promises to shed light on major health policy challenges underpins several new research initiatives launched within The University of New Mexico College of Nursing over the past year.

Dean Christine Kasper, PhD, RN, and doctoral student LisaMarie Turk, MSN, RN, are collaborating on a study of de-identified medical records to characterize the transition to adult health care for young people with special health care needs. The work is being supported by a subaward from the UNM Clinical & Translational Science Center.

“It’s exciting because it’s a doctoral student who got this award,” said Patricia Watts-Kelley, PhD, FNP, who earlier this year was appointed Associate Dean for Research and Scholarship for the College. “It’s really a big deal, and it’s kudos to Dr. Kasper and to Lisa Marie.”

Turk, who has a sibling living with epilepsy, has a personal interest in the question of how to help young people living with chronic conditions effectively transition to health care as an adult.

“This study is aiming to characterize, model and simulate the transition of individuals, particularly adolescents and emerging adults with medical burdens and health care needs, and their transition to adult

health care as opposed to pediatric health care,” she says.

“We know that poor transitions are associated with frequent visits to emergency rooms and other forms of high-intensity care, because there is a known gap that occurs between pediatrics and adulthood.”

Turk says the study, which is collecting data from more than 700 hospitals and health care facilities, has significant policy implications. “One of the known issues is the loss of the typical funding source or insurance, because that changes oftentimes in adulthood,” she says. “There is a variation in policy and clinical applications across the country.”

Children with special health care needs, such as intellectual disabilities, neurodevelopmental issues, autism, cerebral palsy, cancer, diabetes and sickle cell anemia, have better prospects than once was the case.

“Given our advances in medical treatment, children who typically didn’t live far into adulthood are now living into adulthood,” Turk says, “but the clinical applications haven’t caught up.”

In a second study, the College of Nursing is partnering with Sandia National Laboratories in a Cooperative Research and Development Agreement to bring cutting-edge artificial intelligence and machine-learning techniques to bear

to study the impact of COVID-19 outbreaks on hospital surge capacity.

Associate professor Mary Pat Couig, PhD, MPH, RN, in partnership with Dean Kasper and Sandia researchers Patrick Finley and Drew Levin, is applying modeling and advanced data analytics to an electronic medical records database to shed light on the problem.

Focusing both on New Mexico and the nation as a whole, the team seeks to identify the populations known to be at higher risk. Where is the nearest access to health care and what is the capacity to provide those services?

Sandia scientists bring broad modeling and analytics expertise to the project, while Couig’s team is applying their extensive expertise in public health emergency preparedness.

One outcome, they say, is to design quantitative data-driven risk predictors to better anticipate future hospital case-loads, outcome metrics and suggested courses of treatment based on patient demographics and medical history.

This timely collaborative research agreement could also open the way for broader application of artificial intelligence, data analytics and modeling across a wide range of nursing, health care and public health issues in New Mexico. ■



LisaMarie Turk, MSN, BSN

Storytelling Solution

Developing Unique Interventions to Stem Teen Suicide in Rural Communities

By Rebecca Roybal Jones

For a year and a half, Shannon Sanchez-Youngman, PhD, worked with youth leaders in the tight-knit community of San Miguel County to learn about the stressors they face and come up with interventions to prevent teen suicide among Latinos.

The result was a series of digital stories created by the youth leaders.

Now, the research scientist with UNM's College of Population Health is working to expand the study to include more young people in rural New Mexico. She collaborates with the Transdisciplinary Research, Equity and Engagement Center for Advancing Behavioral Health (TREE).

The research pilot aimed to uncover the causes of stigma related to suicide, particularly around Latino populations and rural communities, as well as to look beyond the usual mental health services, Sanchez-Youngman says.

"Many teens really talked about feeling isolated at times and pressured by social media to sort of be the model of perfect kids in the community," she says. "But inside, they were facing a lot of feelings of anxiety and pressure to get out of the community."

The pilot study brought together youth leaders and members of the San Miguel Family and Community Health Council, which represents a coalition of 17 organizations.

The teen dialogues led to the creation of a set of digital stories that were

shared with local policymakers and their parents. Their goal was to create a new community health agenda aimed at tackling some of those issues, "rather than just simply focusing on clinical interventions," Sanchez-Youngman says. "And that's not to say that clinical interventions don't matter."

The new \$146,000 grant from the TREE Center and the National Institute of Minority Health and Health Disparities will allow her to help teens share their perspectives regarding stigma and build a youth summit so they can work with local health workers, parents and elected officials to create new policy solutions and community-level interventions to tackle the issues.

"These are kids that seemingly have perfect lives, right? They're athletes, they're getting good grades," Sanchez-Youngman says. "But underneath it all, they really revealed a lot of inadvertent community pressure on them to succeed because they're under a spotlight in a rural town, and that's really important."

"This is really about rural youth and feeling like they were under a constant microscope to sort of live out where their parents failed, and also to make the community proud."

For teens who aren't at the top of their class, Sanchez-Youngman expects to find different struggles involving marginalization.

"When populations experience inequities in health or disparities in

health – Latino, Latina youth – (they) may be more likely to commit suicide compared to whites," she says. "Some of the explanation has to do with their position in society. And so the expectation is that these social determinants of health explain partly how people experience mental health issues."

For example, she says, an immigrant whose parents crossed over to the United States from Mexico may worry about deportation, hostility in the community and where the next paycheck is coming from.

"Let's compare it back to those leaders," Sanchez-Youngman says. "Those youth were feeling a sense of stigma and marginalization by the pressure to be perfect, which is a very different process than maybe a kid whose mom is hooked on opioids. And there's shame associated with that. But this work is very much interested in how those social conditions impact a sense of belonging, a sense of whether I can succeed or not, which are different mechanisms."

The San Miguel County pilot study will expand to include more youths and other communities, so that participants can share their stories with each other and work to propose ideas to community leaders on addressing their stressors.

The work is mainly done by teens for teens with professional support so that they'll be able to reach out to other kids. "The stories are what make a difference," she says. ■

Double Honors

Angela Wandinger-Ness Receives 2020 Presidential Award for Excellence in Science, Mathematics and Engineering Mentoring

By Michael Haederle

The last out-of-town trip Angela Wandinger-Ness, PhD, took before the COVID-19 lockdown was to Seattle, where, on February 15, she received the 2020 Lifetime Mentor Award from the American Association for the Advancement of Science (AAAS).

Six months later, Wandinger-Ness, a professor in The University of New Mexico Department of Pathology who serves as associate director for education, training and mentoring and the Victor and Ruby Hansen Surface Endowed Professor in Cancer Cell Biology and Clinical Translation at the UNM Comprehensive Cancer Center, received the 2020 Presidential Award for Excellence in Science, Mathematics and Engineering Mentoring.

Wandinger-Ness was among 12 researchers who were honored with the award on August 3 – this time virtually – in an online ceremony presided over by Robert Mayes, program director for Excellence Awards in Science and Engineering at the National Science Foundation.

The award, billed as “the Nation’s highest honors for mentors who work with underrepresented groups to develop fully the Nation’s human resources in STEM,” comes with a \$10,000 honorarium.

“It’s incredibly humbling to be the recipient of these really prestigious awards this year,” she said. “It’s really with the support of the trainees and mentees who feel you’ve made a

difference in their lives. It’s deeply meaningful.”

Wandinger-Ness, who joined the UNM faculty in 1998, studies GTPases, a family of enzymes that operate as molecular switches in many different cellular functions. She currently is looking for way to translate her work into potential therapies for ovarian cancer. Her research has been funded by the National Science Foundation, American Heart Association, National Institutes of Health, Department of Defense and private foundations.

She has twice been singled out by her colleagues at the UNM Health Sciences Center for the annual Excellence in Research Award and was nominated for the Presidential award by Valerie Romero-Leggott, MD, the HSC’s vice chancellor for Diversity, Equity and Inclusion.

Wandinger-Ness has made mentorship a centerpiece over the

course of her 33-year career, having personally mentored 74 students and fellows in her laboratory. Her trainees, from five continents, bring their diverse abilities, culture, educational opportunity, gender, race/ethnicity and socioeconomic backgrounds to solve complex problems. Her mentees encompass more than 370 students, postdoctoral fellows and junior faculty.

She has been honored by being elected a fellow of the AAAS, the world’s largest scientific society, in 2012.

“You become part of a network of people who are like-minded, and therefore you can connect more broadly across the country and have a bigger impact,” she said of her membership in the society. “You can use that capital to help your trainees more, to connect more, to learn more and bring new things to your work area.” ■



SOUND INVESTMENT

UNM's T32 Programs Provide Critical Support for Graduate Students and Postdoctoral Fellows

By Yamhilette Licon Muñoz

Ruth L. Kirschstein made history as the first woman to direct one of the National Institutes of Health. An active promoter of training programs to mentor underrepresented scientists, she knew the importance of investing in scientists to ensure the advancement of knowledge.

The Ruth L. Kirschstein Institutional National Research Service Award – also known as the T32 award – is a major training program supported by the National Institutes of Health (NIH).

The University of New Mexico Health Sciences Center currently has three T32 training programs: The Alcohol Research Training Program, the Cardiovascular Research Training Program and the Infectious Disease & Inflammation Program.

All three programs are designed to support the careers of graduate students and postdoctoral fellows.

“The Alcohol Research Training Program in Neurosciences provides graduate students with multidisciplinary research training that prepares them for a successful career in alcohol research,” says training program director Fernando Valenzuela MD, PhD. “Currently, we have four graduate students enrolled in the program”.

This program is funded by a T32 grant from the National Institute

of Alcohol Abuse and Alcoholism (NIAAA) and the research focus includes different areas of alcohol neuroscience research, such as Fetal Alcohol Spectrum disorders, alcohol craving, dependence, tolerance and withdrawal, and the stress, hormonal and cognitive effects of alcohol.

The award provides tuition, fees, insurance and stipend support from the NIH and NIAAA. In addition, students receive funds for research supplies and travel expenses to scientific meetings. “We help the students to network with other experts in the field,” Valenzuela says.

The UNM Center for Infectious Disease and Immunity has developed the Infectious Disease & Inflammation Program (IDIP) T32 training grant. Under the direction of Michelle Ozbun PhD, this program studies infectious and immunologically mediated diseases.

IDIP accepts four predoctoral students and two postdoctoral fellows and pairs trainees with mentors. Mentors are experts on the infectious diseases and immunity field at UNM, the UNM School of Medicine and the Lovelace Respiratory Research Institute.

UNM's Cardiovascular Research Training Program (CRTP) is funded by a T32 grant from the National Heart, Lung, and Blood Institute (NHLBI). The CRTP currently

funds six predoctoral and two postdoctoral trainees.

The CRTP consists of 25 mentoring faculty from 12 basic science and clinical departments and/or colleges, including 15 professors, four associate professors and six assistant professors. The areas of research include vascular biology, cardiovascular toxicology, cell signaling and clinical/translational science.

“Our CRTP provides an integrative approach to understand the mechanisms of cardiovascular disease,” says Thomas Resta PhD, current director of CRTP. “We have mentors who work both in basic science and translational research.”

The quality and variety of mentors has contributed to the success of UNM's T32 programs. To be funded, NIH requires a strong group of



To be funded, NIH requires a strong group of established scientists with high expertise on the field.

established scientists with high expertise on the field. The existence of the T32 grants has propelled the development of concentrations of coursework and journal clubs designed to ensure specialized training in the areas of cardiovascular physiology, infectious disease and inflammation and alcohol research.

To be part of the program, NIH requires trainees to be U.S. citizens or permanent residents and to work with a mentor who is part of the T32 award. The trainees themselves are huge contributors to the T32 program's success, measured in large part by how many go on to accomplished research careers.

“We have improved the program over the years using the feedback from our students,” Valenzuela says. ■

Research 2020 Training Grants



Rosstin Ahmadian, PhD Candidate

T32 Scholar, NIH

Oxidant signaling in pulmonary hypertension

Mentor: Thomas Resta, PhD



Eduardo Anaya, PhD Candidate

T32 Scholar, NIAID

Infectious disease, cell signaling and biophysics

Mentor: Aaron Neumann, PhD



Elizabeth Bailey, PhD

K12 Scholar, NIGMS

Adapting single-particle techniques to interrogate receptor signaling complexes, primarily with the B cell receptor

Mentors: Diane Lidke, PhD;

Keith Lidke, PhD



Victoria Balise, PhD

K12 Scholar, NIGMS

Identifying how tetraspanins regulate processes involved in hematopoietic stem and progenitor cells

Mentors: Jennifer Gillette, PhD; Alicia Bolt, PhD;

Leah Freeman, PhD



Cindy K. Blair, PhD

KO7 Scholar, NCI

Developing expertise in the design and dissemination of home-based interventions that use a whole-of-day approach to physical activity in older cancer survivors.

Mentors: Sally Davis, PhD; Vernon Shane Pankratz, PhD; Carla Herman, MD; Wendy Demark-Wahnfried, PhD; Anita Kinney, PhD



Eliseo Castillo, PhD Candidate

KL2 Scholar, NCATS

Understanding the gut microenvironment, immune cells and microbiota in intestinal health and inflammation

Mentors: Judy Cannon, PhD;

Hengameh Raissy, PharmD



Laura Weise Cross, PhD

T32 Scholar, NIH

Oxidant signaling in pulmonary hypertension

Mentor: Thomas Resta, PhD



Thomas DePree, PhD

K12 Scholar, NIGMS

Understanding of the interdisciplinary relationship between earth and planetary sciences, environmental health sciences and the civil and environmental engineering employed at so-called ecological "sacrifice zones" in northwestern New Mexico

Mentors: Debra MacKenzie, PhD; Johnnye Lewis, PhD; William Schaedla, PhD



Sharina Desai, PhD

T32 Scholar, NIAID

T cell trafficking during ovarian cancer disease progression in the peritoneal tumor environment

Mentor: Sarah Adams, MD



Tammi Duncan, PhD

K12 Scholar, NIGMS

Demonstrating that arsenite induced an oxidative stress and DNA damage response in human T-lymphocytes, while uranium had no effect
Mentors: Laurie Hudson, PhD; Matthew Campen, PhD; Terri Koontz, MS



Daniel Falcon, PhD

K12 Scholar, NIGMS

Elucidating the roles of infiltrating leukocytes in the onset and disease course of vitiligo
Mentors: Xiang Xue, PhD; Sarah Adams, MD; Judy Cannon, PhD; Michel Shuster, PhD



Máté Fischer, PhD Candidate

T32 Scholar, NIAAA

Stem cell culture, neurodevelopment, FASD disease modeling, gene expression, cortical patterning
Mentor: Jason Weick, PhD



Muskan Floren, PhD Candidate

F31 Fellow, NCI

Identifying key regulators of chemotherapy resistance in acute myeloid leukemia and developing therapies that are directed towards the AML cell population residing within the bone marrow
Mentor: Jennifer Gillette, PhD



Kathryn Frieze, PhD

KL2 Scholar, NCATS

Investigation of antibody responses to infectious diseases, developing vaccines against Chlamydia trachomatis, Dengue virus and opioids
Mentors: Bryce Chackerian, PhD; Thomas Byrd, PhD



Kymberly Gustus, PhD Candidate

F31 Fellow, NIAAA

Adult hippocampal neurogenesis as a therapeutic target in Fetal Alcohol Spectrum Disorder
Mentor: Lee Anna Cunningham, PhD



Selina Garcia, PhD Candidate

F31 Fellow, NHLBI

*Studying the role of the acid-sensing *10* Channel 1 in the systemic vasculature*
Mentor: Nikki Jernigan, PhD



Julie In, PhD Candidate

K01 Scholar, NIDDK

Mechanism of Wnt and Hedgehog signaling in intestinal injury and regeneration; role of serine protease enterotoxins in watery diarrhea
Mentors: Olga Kovbasnjuk, PhD; Eric Prossnitz, PhD



Elton Jhamba, PhD Candidate

K12 Scholar, NIGMS

Developing super-resolution microscopy technologies to study protein-protein interactions on mast cell membranes in allergic responses, and the interplay of receptor tyrosine kinases on cancer cells
Mentors: Diane Lidke, PhD; Keith Lidke, PhD



Benjamin Lantz, PhD Candidate

T32 Scholar, NIH

Pulmonary hypertension
Mentor: Laura Gonzalez Bosc, PhD



Milindu Liyanapathirana, PhD Candidate

K22 Scholar, NINDS

Molecular mechanisms associated with glial development within the central nervous system
Mentor: Tou Yia Vue, PhD



Christine Mancuso, PhD

K12 Scholar, NIGMS

Elucidating how dietary and environmental markers can be used to learn more about an individual's diet and movement/migration using stable isotope ratio biomarkers
Mentors: Seth Newsome, PhD; Heather Edgar, PhD, William Schaedla, PhD



Tye Martin, PhD

K12 NIGMS

Studying misfolded and disordered proteins to rapidly develop new adaptive medical technology

Mentors: Heather Canavan, PhD; Eva Chi, PhD; Ivy Crockett, MS



Perenkita Mendiola, PhD Candidate

T32 Scholar, NIH

Identifying endogenous regulators of cystathionine gamma-lyase in endothelial cells

Mentors: Nancy Kanagy, PhD, Laura Gonzalez Bosc, PhD



Emily Morin, PhD

K12 Scholar, NIGMS, T32 Scholar, NIH

Investigating endothelial dysfunction and finding new drug delivery methods; cholesterol regulation of vascular tone in hypertension

Mentor: Jay Naik, PhD



Bianca Myers, PhD Candidate

K22 Scholar, NINDS, T32 Scholar, NIAAAA

Studying the effect of adult alcohol consumption on the progression of glioblastoma multiforme

Mentors: C. Fernando Valenzuela, MD, PhD; Tou Yia Vue, PhD



Sarah Olguin, PhD Candidate

T32 Scholar, NIAAAA

Utilizing dura-resting EEG to evaluate prenatal alcohol exposure during rodent touchscreen tasks

Mentor: Jonathan Brigman, PhD



Rob Oliver, PhD

T32 Scholar, NIH

Mechanisms of angiogenesis in glioblastoma multiforme

Mentor: Amy Gardiner, PhD



Erica Pascetti, PhD Candidate

T32 Scholar, NIH

Hematopoietic stem and progenitor cells

Mentor: Jennifer Gillette, PhD



Gabriela Perales, PhD Candidate

T32 Scholar, NIH

Studying angiogenic targets of miR-150-5p and investigating the role of miR-150-5p in regulating angiogenesis in the developing embryos both in vitro and in vivo during prenatal alcohol exposure

Mentor: Amy Gardiner, PhD



Dominique Perez, PhD Candidate

T32 Scholar, NIH

Utility of small molecule inhibitors of cAMP efflux for translation as leukemia therapeutics

Mentors: Larry Sklar, PhD; Alexandre Chigae, PhD



Katelyn Reinhart, PhD Candidate

T32 Scholar, NIH

Study of spreading depolarization (SD), and the basic physiological mechanisms of SD that contribute to the progression of brain injuries, including stroke

Mentor: C. William Shuttleworth, PhD



Melanie Rivera, PhD Candidate

F31 Scholar, NCI

Investigating the role of Rac1 in ovarian cancer metastasis in the peritoneal niche, including the role of immune modulation by a Rac1-targeting drug or knockout

Mentor: Angela Wandinger-Ness, PhD



Emmanuel Rosas, PhD

K12 Scholar, NIGMS

Investigating the role of G-protein coupled estrogen receptor (GPER) in the development of anti-hormone resistance and whether novel therapeutic anti-hormone approaches that prevent cross-activation of GPER can reduce anti-hormone resistance in ER α -positive breast cancers

Mentor: Eric Prossnitz, PhD



Lilliana Sanchez, PhD Candidate

T32 Scholar, NIAAA

Studying moderate prenatal alcohol exposure and its effects on the hippocampus, specifically in associational learning and memory

Mentor: Benjamin Clark, PhD



Raquela Thomas, PhD

K12 Scholar, NIGMS

Developing a clinically-relevant model for chimeric tumors that will be utilized to investigate tumor editing in response to oncolytic virotherapy

Mentors: Eric Bartee, PhD; Allison Kell, PhD; Jennifer Curtiss, PhD



Nicole Thompson Gonzalez, PhD

K12 Scholar, NIGMS

Expanding the toolkit for field primatologists to evaluate allostatic load by validating non-invasive markers of oxidative stress, including inflammation, in wild chimpanzees

Mentors: Melissa Emery Thompson, PhD; Debra MacKenzie, PhD; Alfonso Heras-Llanos, PhD



Leslie Toledo Jacobo, PhD

K12 Scholar, NIGMS

Studying the regulatory role of Myotonic dystrophy-related CDC42-binding kinase (MRCK) proteins on migration, invasion and ultimately metastasis of ovarian cancer cells

Mentors: Angela Wandinger-Ness, PhD; Laurie Hudson, PhD; Jessica Smith, MS



Nikole Warner, PhD

K12 Scholar, NIGMS

Investigating the antibody response to Dengue virus and using this knowledge to inform vaccine design

Mentors: Kathryn Frieze, PhD; Bryce Chackerian, PhD; Kathryn Hanley, PhD



Jordan Weisend, PhD Candidate

T32 Scholar, NIH

Cell and molecular mechanisms of protection induced by spreading depolarizations occurring in remaining viable brain tissues following stroke

Mentor: C. William Shuttleworth, PhD

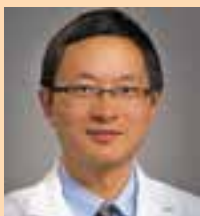


Lea Weston, PhD Candidate

T32 Scholar, NIAID

Investigating the relationship between neuroinflammation and tau pathology. Determining the role of anti-inflammatory cytokine IL-10 in tauopathies such as Alzheimer's disease

Mentor: Kiran Bhaskar, PhD



Xiang Xue, PhD

K01 Scholar, NIDDK

Iron metabolism and GI diseases

Mentors: Eric Prossnitz, PhD; Olga Kovbasnjuk, PhD

Excellence in Research Awards 2020

The University of New Mexico Health Sciences Center's 12th Annual Research Day Awards Ceremony was held (via Zoom) on November 20, 2020. The event, hosted by Executive Vice Chancellor Richard S. Larson, MD, PhD, recognized six scientists who were nominated by their peers and selected for recognition by a faculty committee on the basis of their outstanding research contributions.

David Peabody, PhD (top)
Bryce Chackerian, PhD
Molecular Genetics &
Microbiology
Team Science (Joint Awardees)



David Peabody and Bryce Chackerian are the very embodiment of team science. Over the past 16 years, Peabody, a microbiologist, and Chackerian, a virologist and immunologist, have partnered to use virus-like particles as a the

basis for novel vaccines targeting chronic and infectious disease. They have developed new vaccine candidates against human papillomavirus, malaria, HIV, Chlamydia, influenza and Neisseria. They have also developed novel vaccines for cardiovascular disease by targeting molecules that regulate triglycerides and LDL cholesterol metabolism. And, they have collaborated with researchers throughout the Health Sciences Center and at other institutions. They were jointly named as Innovation Fellows by STC.UNM in 2017 and were both elected to the National Academy of Inventors in 2019.



Matthew J. Campen, PhD,
MSPH
Pharmacy
Basic Science



Matthew Campen is internationally recognized for his research in the harmful effects of air pollutants in the lungs, as well as the cardiovascular and neurovascular systems. He conducted pioneering work on the toxicity of combustion source mixtures, such as diesel and gasoline engine emissions, and has recently expanded his research to address fundamental questions of how lung responses lead to systemic vascular injury. He has published more than 100 peer-reviewed articles in high-impact journals and is director of a new \$20 million Center of Biomedical Research Excellence grant focusing on the role of metal elements in health and biology. Campen also serves as director of the KL2 Mentored Career Development program in the UNM Clinical & Translational Science Center.

Kimberly Page, PhD, MPH
Internal Medicine
Population Science



Kimberly Page has had a long career in population science research, with an emphasis on the epidemiology of viruses, particularly HIV and hepatitis C virus (HCV) infections in high-risk and under-served populations. As a tenured professor in the Division of Epidemiology, she has led some of the most significant research on HCV infection globally and recently completed the only prospective cohort study of HCV in young adults who inject drugs in the U.S. In 2014, Page and colleagues published the first study in the U.S. showing that opiate agonist treatment reduced HCV incidence by 60% in young adult injection drug users. Her expertise and experience with HCV led to successful funding as co-principal investigator on the only preventive HCV vaccine trial ever conducted.

Steven B. Bradfute, PhD

Center for Global Health
Junior Faculty



When SARS-CoV-2 came to New Mexico, Steven Bradfute was ready. An expert on emerging viral pathogens,

including Ebolaviruses, hantavirus, equine encephalitis viruses and Zika, Bradfute rapidly established methods for studying the novel coronavirus in the BSL-3 facility that he directs. This has fostered multiple experimental approaches for addressing the challenges of SARS-Cov-2, including viral pathogenicity, viral replication, drug-screening and methods to measure neutralizing antibody titers in both animal models and humans. His efforts resulted in several publications for which he is the senior author and numerous grant submissions that are awaiting feedback. In addition, Bradfute's hantavirus research has led to the establishment of an "antibody bank" that has the potential of saving the lives of those newly infected.

Hengameh H. Raissy,

PharmD

Pediatrics
Clinical Science



As vice chair for research in the Department of Pediatrics, Hengameh Raissy primarily focuses on pharmacotherapy

for childhood asthma. She has been the principal investigator for large network trials whose results have been published in *The New England Journal of Medicine*, *The Journal of the American Medical Association* and *The Lancet*. She has also participated in large multicenter asthma clinical trials, directs the CTSC's Trial Innovation Network and is the author of more than 80 peer-reviewed papers. Raissy has also brought her expertise to bear in supporting pediatric and adult cystic fibrosis studies at UNM and she conducted the first-in-human trial to test the use of nebulized urea as a diagnostic tool for *Pseudomonas* in CF patients.

Rebecca S. Hartley, PhD

Cell Biology & Physiology
Scholarship of Teaching and Learning



UNM anatomy students have long benefited from Rebecca Hartley's enthusiasm and gift for teaching. Recently, she

has been developing, testing and evaluating methods to improve student success in the Phase I medical curriculum. In particular, she is gauging the effectiveness of an integrated curriculum on long-term retention of anatomical knowledge. She has also lent her extensive expertise in the scholarship of teaching and learning to other clinician educators who wish to enhance the learning experience for their clinical mentees. Hartley has also developed numerous Team-Based Learning Application Cases in Anatomy and Embryology for the Phase I curriculum and contributed to a Pilot Project for the UNM HSC Office for Diversity called "Advancing Institutional Mentoring Excellence."



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OFFICE OF THE CHANCELLOR

Jill Klar

Truman Health Services
Provider Agreement - Evergreen -
Continuation \$25,000

Steven McLaughlin

State of New Mexico
Emergency and Specialty Services \$1,000,000

Suzanne Popejoy

City of Albuquerque
Primary Care/MSW Services Program -
Continuation \$161,970

Peter Shin

Lovelace UNM Rehabilitation Services
Professional Services \$75,000

Katherine Zychowski Bufford

STC@UNM
Lipase Inhibitors to Prevent Rancidity
in Expressed Human Milk During
Storage \$25,000

OFFICE OF THE EXECUTIVE VICE CHANCELLOR

Richard Larson

UNM Foundation
Private Gifts for Research
(1st Qtr - FY20) \$37,388

UNM Foundation
Private Gifts for Research
(2nd Qtr - FY20) \$1,445,711

UNM Foundation
Private Gifts for Research
(3rd Qtr - FY20) \$99,842

UNM Foundation
Private Gifts for Research
(4th Qtr - FY20) \$5,626,657

Elizabeth Kocher

Miners Colfax Medical Center
Professional Services -
Continuation \$25,000

A. Robb McLean

New Mexico Department of Health
Locum Tenens Program DOH
Physician, PA and NP Services \$150,000

New Mexico Department of Health
Physician, PA, and NP Services
Project \$20,000

Center for Infectious Disease & Immunity

Terry Wu

Advanced Technology International
Nanolipoprotein Particle-Based Subunit
Vaccine Against Pneumonic Tularemia -
Non-Specific Supplement \$965,462

Advanced Technology International
Nanolipoprotein Particle-Based
Subunit Vaccine Against Pneumonic
Tularemia \$500,000

Los Alamos National Laboratory
Obtain Physiological Response Data From
Bacterial Cultures \$49,464

Memory & Aging Center

Gary Rosenberg

National Institute of Neurological
Disorders and Stroke
MRI and CSF Biomarkers of White
Matter Injury in VCID \$1,101,287

Woolsey Pharmaceuticals, Inc
Woolsey Pharmaceuticals, Inc. \$25,000

OFFICE OF THE VICE CHANCELLOR FOR RESEARCH

Richard Larson

National Institutes of Health
Biomedical Research Facility \$4,000,000

Larissa Myaskovsky

Dialysis Clinic, Inc.
Improving Healthcare Outcomes
in American Indian and Hispanic Transplant
Recipients Using Culturally Tailored Novel
Technology \$316,776

University of Pittsburgh
Increasing Equity in Transplant Evaluation
and Living Donor Kidney Transplantation -
Continuation \$44,105

University of Pittsburgh
Cardiac Resynchronization in the Elderly:
Piloting Pacemaker v. Defibrillator
Therapy - Continuation \$18,810

Surojit Paul

Los Alamos National Laboratory
Los Alamos National Laboratory -
Contract # 567915 \$20,680

Animal Research Facility

Richard Larson

New Mexico VA Health Care System
Veterinary Services for the N.M. Veterans
Affairs Health Care System -
Continuation \$30,475

CLINICAL & TRANSLATIONAL SCIENCE CENTER

Justin Baca

Sensor-Kinesis Corporation
Development and Testing of Surface
Acoustic Wave Analytical System \$150,179

Sensor-Kinesis Corporation
COVID-19 Specific Supplement - SARS-
CoV2 - Development and Testing of Surface
Acoustic Wave Analytical System \$49,993

Lee Brown

Ohio State University
The Impact of Low Flow Nocturnal Oxygen
Therapy on Hospital Readmission/Mortality
in Patients With Heart Failure and Central
Sleep Apnea: a Pragmatic Trial \$65,128

Matthew Campen

National Center for Advancing
Translational Sciences
UNM Clinical & Translational Science
Center KL2 2020-2025 \$394,876

Kathryn Frieze

National Institutes of Health
Bacteriophage Virus-Like Particle Vaccines
Against Dengue Virus Non-Structural
Protein 1 \$189,375



Michelle Harkins Leidos, Inc COVID19: Adaptive COVID-19 Treatment Trial	\$120,000	Eric Prossnitz Virtici, LLC ASCEND: Accelerating Solutions for Commercialization and Entrepreneurial Development in the Mountain West IDeA States	\$874,016	UNM Hospital Professional Services	\$53,600
Karen Hawley University of Utah A Randomized Trial to Determine the Role of Valganciclovir for Asymptomatic Cytomegalovirus Infected Hearing Impaired Infants (ValEAR) - Non-Specific Supplement	\$1,845	Hengameh Raissy University of Arkansas Data Coordinating and Operations Center for the IDeA States Pediatric Clinical Trials Network - VDORA - Continuation	\$115,746	Sharon Ruyak Sigma Theta Tau The Effect of Prenatal Opioid and Alcohol Exposure on Key Human Placental Immune and Serotonin Factors Influenced by TLR4 Signaling Pathways	\$10,000
Richard Larson National Center for Advancing Translational Sciences UNM Clinical & Translational Science Center UL1 2020-2025	\$3,991,077	Sherry Weitzen Research Triangle Institute ESC - ACT NOWS - Eat, Sleep, Console	\$267,814	Katherine Zychowski Bufford National Institute of Environmental Health Sciences Neurovascular Consequences of Inhaled Uranium Mine-site Dust Exposure - Continuation	\$249,000
University of Nevada, Las Vegas Institutional Development Award Program Infrastructure for Clinical and Translational Research: BERD - Continuation	\$231,950	COLLEGE OF NURSING		COLLEGE OF PHARMACY	
University of Nevada, Las Vegas Institutional Development Award Program Infrastructure for Clinical and Translational Research: PDC - Continuation	\$148,582	Mary Couig Sandia National Laboratories COVID-19 Electronic Health Records	\$20,000	Joe Anderson New Mexico Department of Health BAA/Heart Disease and Stroke Prevention Program Health Systems Intervention Project	\$80,000
University of Nevada, Las Vegas CTR-IN Round 7 Subaward - Pharmacogenetics to Improve Opioid Prescribing for Native Americans: Pilot Study	\$65,580	U.S. Department of Veterans Affairs VA Office of Nursing Services IPA	\$16,153	Ludmila Bakhireva National Institute on Alcohol Abuse and Alcoholism ENRICH-2: Stress-Reactivity and Self- Regulation in Infants With Prenatal Alcohol Exposure	\$672,158
University of Nevada, Las Vegas CTR-IN Round 7 Subaward - a Mixed Methods Study of Methamphetamine Use in the Context of the Opioid Epidemic	\$54,999	Judy Liesveld HRSA/Bureau of Health Workforce Nurse Education, Practice, Quality and Retention/Veteran Nurses in Primary Care - Continuation	\$388,648	National Institutes of Health 6/6 Planning for the HEALTHy Early Development Study - Non-Specific Supplement	\$271,231
University of Nevada, Las Vegas Institutional Development Award Program Infrastructure for Clinical and Translational Research: CEO - Continuation	\$17,347	HRSA/Bureau of Health Workforce COVID Nurse Education Practice Quality Retention/ Veteran Nurses in Primary Care COVID	\$64,285	National Institutes of Health 6/6 Planning for the HEALTHy Early Development Study	\$271,231
University of Nevada, Las Vegas Institutional Development Award Program Infrastructure for Clinical and Translational Research: T&E - Continuation	\$13,859	HRSA/Bureau of Health Resources Development Nurse Faculty Loan Program	\$59,535	New Mexico Department of Health Enhancing Pharmacy-Based Naloxone Distribution	\$60,000
University of Utah Opioid ECHO	\$154,986	New Mexico Board of Nursing N.M. Board of Nursing-Chinle	\$17,956	Matthew Campen National Institutes of Health New Mexico Center for Metals in Biology and Medicine	\$2,521,061
Alberta Kong University of Arkansas DCOC Leadership Committee	\$45,997	Janice Martin City of Albuquerque Geriatric Education and Health Maintenance	\$67,000	Baylor College of Medicine Notification of Access to Toxic Effects of E-Cigs Following Transition From Conventional Cigarettes - Continuation	\$124,368
University of Arkansas IAMHealthy Study - ISPCTN Network	\$28,109	Carolyn Montoya HRSA/Bureau of Health Workforce Advanced Nursing Education Workforce Program - Continuation	\$636,762	National Institutes of Health Inhalation of Contaminated Mine Waste Dusts As a Route for Systemic Metal Toxicity	\$486,483
Jessie Maxwell Research Triangle Institute WEANING - ACT NOWS	\$182,368	Presbyterian Healthcare Services ANE-NPR Program	\$139,164	National Institute of Environmental Health Sciences Mechanisms of Vascular Toxicity From Inhaled Toxicants	\$335,592
		El Pueblo Health Service El Pueblo Health Services	\$69,510		
		Mountain Spirit Integrative Medicine Mountain Spirit	\$62,646		



Melanie Dodd

First Choice Community Healthcare
Pharmacist Consultant Agreement -
Continuation \$93,072

Linda Felton

U.S. Department of Veterans Affairs
Formulation and Batch Records for
the VA Medical Center in
Albuquerque, N.M. \$48,222

Eunice Kennedy Shriver National Institute
of Child Health and Human Development
Aqueous-Based Two-Step Spray
Drying As a Taste-Masking Drug
Delivery Platform \$189,375

Donald Godwin

Prime Therapeutics
Pharmacy Participation Agreement -
Continuation \$125,000

Truman Health Services
Pharmacy Consultant Services \$50,000

Pamela Hall

National Institute of Allergy and Infectious
Diseases
Vaccine-Mediated Control of Bacterial
Virulence Regulation and Infection -
Continuation \$431,724

National Institute of Allergy and Infectious
Diseases
Vaccine-Mediated Control of Bacterial
Virulence Regulation and Infection -
Supplement \$24,925

Laurie Hudson

University of Oklahoma
Targeting G-CSF Receptor and Tumor-
Associated Neutrophils in Colon
Cancer \$12,852

Johnnye Lewis

National Institute of Environmental Health
Sciences
UNM Metal Exposure Toxicity Assessment
on Tribal Lands in the Southwest Superfund
Research Program \$1,271,267

National Institutes of Health
P42ES025589 - SRP Administrative
Supplement: Data Collaborations \$568,136

U.S. Environmental Protection Agency
Center for Native American Environmental
Health Equity Research \$300,000

Duke University
Attentional Mechanisms Underlying
Information Processing in a Sample
of Navajo Children \$88,493

Ke Jian (Jim) Liu

National Institutes of Health
Mutational Signatures of a Combined
Environmental Exposure: Arsenic and
Ultraviolet Radiation \$523,581

National Institutes of Health
Arsenic, GATA-1, and
Hematotoxicity \$340,875

National Institutes of Health
Arsenic, GATA-1, and Hematotoxicity -
Admin Supplement \$97,233

University of Louisville
Particulate Cr(VI) Toxicology in Human
Lung Epithelial Cells and Fibroblasts \$40,513

Debra MacKenzie

Duke University
Using Silicone Wristbands as Non-Invasive
Passive Environmental Monitors to
Evaluate Seasonal and Within-Family
Correlation for Environmental Exposures. -
Continuation \$5,932

Pavan Muttli

Nob Hill Therapeutics, Inc.
Formulation and Preclinical Testing of
High-Dose Inhaled Therapy Against Non-
Tuberculous Lung Infection \$120,898

Clariant Healthcare Packaging
Role of Activated Carbon As an Odor
Adsorbent in Pharmaceutical Packaging
Applications \$16,533

Biological Mimetics, Inc
Stabilization of Inactivated Polio Vaccine
Using Spray Drying \$9,266

Melissa Roberts

Analysis Group, Inc.
Frequency and Cost of Moderate
Exacerbations in Asthmatic Patients
in the US \$45,000

Sunovion Pharmaceuticals Inc.
A Case-Control Analysis of the Prevalence
of Frailty, Cognitive Impairment, and
Limited Expiratory Airflow Among Elderly
Persons With Chronic Obstructive Lung
Disease \$40,605

Jay Simon

U.S. Department of Veterans Affairs
Radiopharmaceutical Goods and
Services \$150,560

Sandia National Laboratories
SNL Isotopes Request \$1,750

Susan Smolinske

New Mexico Department of Health
COVID-19 Coronavirus All Hazards Line -
Non-Specific Supplement \$158,387

Health Resources and Services
Administration
Poison Center Stabilization and
Enhancement Program \$133,289

New Mexico Department of Health
COVID-19 Coronavirus All Hazards
Line \$109,311

Health Resources and Services
Administration
COVID CARES Funding for Poison
Centers \$31,601

Denver Health and Hospital Authority
Researched Abuse, Diversion and
Addiction-Related Surveillance System
Work Order #15 - Continuation \$12,500

Denver Health and Hospital Authority
Researched Abuse, Diversion and
Addiction-Related Surveillance System
Work Order #4 \$500

**COLLEGE OF POPULATION
HEALTH**

Lisa Cacari Stone

W.K. Kellogg Foundation
Communities of Practice for Advancing
Health Equity-Linking Knowledge, Practice
& Policy \$100,000

New Mexico Department of Health
New Mexico Maternal Child Health
Epidemiology Practicum Project \$35,000

Tracie Collins
National Heart, Lung, and Blood Institute
*Texting for Mobility in Overweight/
Obese Adults With Peripheral Artery
Disease* \$82,054

Murlynn Lee
Gilead Sciences
*Examining Sociocultural Influences,
Knowledge, and Acceptability of Biomedical
HIV Prevention Methods: Native American
College Students* \$229,101

Laura Nervi
East Central Ministries
*Strategic Planning for One Hope Centro
De Vida* \$12,500

Rebecca Rae
Anav Tribal Health Clinic Quartz Valley
Indian Reservation
*QVIR Evaluation for Youth & Family Tree
Project - Continuation* \$396,291

Santa Clara Pueblo
*Kha'po Owingeh RezRIDERS Project -
Continuation* \$200,000

W.K. Kellogg Foundation
*New Mexico Tribal Data
Champions* \$150,000

Francisco Soto Mas
University of Texas Health Center at Tyler
*Health, Safety and Psychosocial Organic
Farming Survey* \$94,578

Kristine Tollestrup
Tulane University
*ACA - Public Health Training
Centers* \$34,440

Nina Wallerstein
Columbia University
*An Experimental Investigation Into the
Impact of Socioeconomic Context on
Biological Markers of Aging, Health
and Mortality* \$56,982

AltaMed Health Services Corporation
HEAL Through PCOR \$40,000

SCHOOL OF MEDICINE

Anesthesiology & Critical Care Medicine

Melinda King
Anesthesia Associates of New Mexico
Pediatric Cardiac Anesthesia \$25,000

Eugene Koshkin
Boston Scientific Corporation
*UNM Pain Medicine Fellowship 19-20:
Boston Sci* \$10,000

John Rask
Vanderbilt University Medical Center
Simulation Multicenter Project \$47,589

Karin Westlund-High
National Institute of Dental and
Craniofacial Research
*Scfv Antibody Therapy for Chronic
Trigeminal Neuropathic Pain* \$189,625

Biochemistry & Molecular Biology

Natalie Adolphi
Research Triangle Institute
*RTI Forensic Imaging Workshop and
Documents* \$71,024

Meilian Liu
American Heart Association
*Transcriptional Regulation of Thermogenic
Program* \$64,226

National Institute of Diabetes and
Digestive and Kidney Diseases
*The Role of Adiponectin in Regulating
Type 2 Innate Lymphoid Cells and Browning
of Fat - Supplement* \$60,595

Mark McCormick
American Federation for Aging Research
*Measurement of the Conservation in
Mammalian Cells of the Effects of
Lifespan- Extending TRNA Synthetase
Inhibitors.* \$98,500

Summer Raines Hayek
University of San Diego
*MDH Communities UNM - Specific
Supplement* \$5,000

Vallabh Shah
National Institute of Diabetes and
Digestive and Kidney Diseases
*American Indian Chronic Renal Insufficiency
Cohort Study - Continuation* \$680,520

National Institute of Diabetes and
Digestive and Kidney Diseases
*American Indian Chronic Renal Insufficiency
Cohort Study - Specific
Supplement* \$378,748

Patient-Centered Outcomes Research
Institute
*Home-Based Chronic Kidney Disease
Care in Native Americans of New Mexico -
A Disruptive Innovation - Specific
Supplement* \$199,999

Patient-Centered Outcomes Research
Institute
*Home-Based Chronic Kidney Disease
Care in Native Americans of New Mexico -
A Disruptive Innovation -
Continuation* \$165,966

Xiang Xue
National Institute of Diabetes and
Digestive and Kidney Diseases
*Targeting Mitochondrial Iron Metabolism
in Inflammatory Bowel Disease* \$158,882

Comprehensive Cancer Center

Sarah Adams
National Cancer Institute
*Mechanisms of Selective Therapeutic
Synergy of PARP-Inhibition and CTLA4
Blockade Engaged by Interferon-Gamma
in the Ovarian Tumor Microenvironment -
Continuation* \$348,832

New Mexico Cancer Care Alliance
Clinical Trial Phase 2 \$116,680

New Mexico Cancer Care Alliance
Clinical Trial Phase 3 \$112,840

New Mexico Cancer Care Alliance
Clinical Trial Phase 2 \$109,640

Prajakta Adsul
New Mexico Department of Health
*Cancer Prevention and Control Program for
New Mexico* \$5,000

Cecilia Arana Yi
New Mexico Cancer Care Alliance
Clinical Trial Phase 2/3 \$107,080

New Mexico Cancer Care Alliance
Clinical Trial Phase 2 \$106,440

Eric Barteel
American Cancer Society
Arming Oncolytic Myxoma Virus \$506,739

National Cancer Institute
*Treatment of Multiple Myeloma Using
Oncolytic Myxoma Virus* \$346,556

National Institute of Allergy and Infectious
Diseases
*Rationally Combining Oncolytic Virotherapy
and TIM3 Blockade* \$227,250

Jessica Belmonte
New Mexico Cancer Care Alliance
Clinical Trial Phase 3 \$112,840

New Mexico Cancer Care Alliance
Clinical Trial Phase 2/3 \$109,640

Marianne Berwick
National Cancer Institute
*Integration of Clinical and Molecular
Biomarkers for Melanoma Survival* \$536,127

University of North Carolina
*Identification of Lethal Melanomas at the
Time of Diagnosis (Resub)* \$63,483

Cynthia Blair

National Cancer Institute
*Improving Physical Functioning in Older
 Cancer Survivors Through Light-Intensity
 Physical Activity* \$154,573

Ursa Brown-Glaberman

New Mexico Cancer Care Alliance
Clinical Trial Phase 3 \$109,640

New Mexico Cancer Care Alliance
Clinical Trial Phase 3 \$107,400

New Mexico Cancer Care Alliance
Clinical Trial Phase 3 \$106,680

New Mexico Cancer Care Alliance
Clinical Trial Phase 2 \$91,840

Vi Chiu

New Mexico Cancer Care Alliance
*Clinical Trial Phase 3 - Non-Specific
 Supplement* \$400

Linda Cook

National Cancer Institute
*A Population-Based Study of Keturolac
 and Ovarian Cancer Survival* \$392,750

Zoneddy Dayao

New Mexico Department of Health
*Development and Delivery of Cancer
 Survivorship Cancer Plans* \$84,638

New Mexico Department of Health
*Development and Delivery of Cancer
 Survivorship Cancer Plans -
 Continuation* \$35,000

New Mexico Department of Health
*Development and Delivery of Cancer
 Survivorship Cancer Plans* \$28,941

Matthew Fero

New Mexico Cancer Care Alliance
Clinical Trial Phase 2 \$113,480

Yan Guo

Indiana University
*The Role of LMO2 in the Pathogenesis
 of T-Cell Leukemia* \$10,049

Richard Harvey

National Cancer Institute
*Integration of Gene Expression Patterns,
 Fusions, Mutations, Cytogenetics and Other
 Clinical Variables for Subtyping Leukemias
 and Targeting Therapies* \$154,500

Neda Hashemi

New Mexico Cancer Care Alliance
Clinical Trial Phase 3 \$116,680

New Mexico Cancer Care Alliance
Clinical Trial Phase 1b/2 \$116,680



New Mexico Cancer Care Alliance
Clinical Trial Phase 1b/2 \$116,680

New Mexico Cancer Care Alliance
Clinical Trial Phase 2 \$103,880

New Mexico Cancer Care Alliance
Clinical Trial Phase 3 \$100,960

New Mexico Cancer Care Alliance
Clinical Trial Phase 3 \$95,040

Miria Kano

University of Texas MD Anderson Cancer
 Center
*Curriculum Development for SGM Cancer-
 MDACC* \$14,395

Peng Mao

National Institute of Environmental Health
 Sciences
*TC-NER in the Repair and Mutagenesis of
 DNA Alkylation Damage* \$191,250

Dario Marchetti

National Cancer Institute
*Mechanisms of Melanoma Brain
 Metastasis by CTCs Isolated From Patients'
 Blood* \$324,705

National Cancer Institute
*Functional Characterization of Brain-
 Colonizing Breast Cancer CTC
 Subsets* \$306,904

Jean McDougall

Rutgers, The State University of New
 Jersey
*Comparative Effectiveness of Interventions to
 Increase Guideline-Based Genetic Counseling
 in Ethnically and Geographically Diverse
 Cancer Survivors* \$23,140

Shiraz Mishra

National Cancer Institute
R25 C-STEPS \$146,951

Carolyn Muller

National Cancer Institute
 NCORP \$1,767,175

NRG Oncology
 NRG Oncology Foundation: National
 Clinical Trials Network and NCI Community
 Oncology Research Program (Federal) -
 Non-Specific Supplement \$215,606

New Mexico Cancer Care Alliance
Clinical Trial Phase 3 \$112,456

New Mexico Cancer Care Alliance
Clinical Trial Phase 1 \$107,360

New Mexico Cancer Care Alliance
Clinical Trial Phase 3 \$93,640

NRG Oncology
 NRG Oncology Foundation: National
 Clinical Trials Network and NCI Community
 Oncology Research Program (Non-Federal) -
 Non-Specific Supplement \$90,680

Scott Ness

National Institutes of Health
*Mutations and Target Genes in Adenoid
 Cystic Carcinoma* \$359,813

Adenoid Cystic Carcinoma Research
 Foundation
Biomarker for ACC Outcome \$82,706

Novo Nordisk, Inc.
 Novo Nordisk Inc. RNA Service
 Agreement \$38,064

Itzhak Nir

New Mexico Cancer Care Alliance
Clinical Trial Phase 3 \$107,360

New Mexico Cancer Care Alliance
Clinical Trial Phase 3 \$109,640

Eric Prossnitz

National Cancer Institute
*G Protein-Coupled Estrogen Receptor and
 Breast Carcinogenesis* \$343,324

National Cancer Institute
*Molecular Mechanisms and Applications of
 Novel ER/GPER-selective Ligands* \$310,400

Rita Serda

National Science Foundation
 Pathogen Mimic Cancer Vaccines \$50,000

Larry Sklar

Laidos, Inc
 BASE Project/MGMT: NCI Experimental
 Therapeutics Chemical Biology
 Consortium \$78,410

Alan Tomkinson

National Institute of General Medical
 Sciences
 Cellular Functions of Eukaryotic DNA
 Ligases \$369,502

National Institute of Environmental Health
 Sciences
 Roles of Lig3 and XRCC1 Genes in Genome
 Stability \$307,800

Lovelace Respiratory Research Institute
 DNA Repair Capacity Assays for Lung
 Disease Risk Assessment \$74,567

Lawrence Berkeley National Laboratory
 Structural Cell Biology & Physiology of DNA
 Repair Machines Project -YR4 \$66,600

Cosette Wheeler

Becton, Dickinson and Company
 BDS-USHPVPC \$5,000,000

Albuquerque Area Indian Health
 Board, Inc.
 Characterizing Disparities and Elucidating
 Opportunities Across the Cervical Cancer
 Continuum Among Native American
 Women \$75,750

Charles Wiggins

National Cancer Institute
 Surveillance Epidemiology and End Results
 Program \$2,522,771

National Cancer Institute
 SEER Patterns of Care 2019 \$63,171

New Mexico Department of Health
 DOH BCC Surveillance & Cancer
 Survivorship Care Plans Project \$14,934

New Mexico Department of Health
 DOH BCC Surveillance & Cancer
 Survivorship Care Plans Project \$14,193

Cheryl Willman

National Cancer Institute
 University of New Mexico Cancer Center
 Support Grant \$2,246,011

National Cancer Institute
 Dissemination of a Colorectal Cancer
 Screening Program Across American Indian
 Communities in Southern Plains & Southwest
 United States \$1,000,000

National Cancer Institute
 Colorectal Cancer Screening Program Across
 American Indian Communities \$400,000

National Cancer Institute
 COVID Development of Epitope-Targeted
 SARS-CoV-2 Vaccines \$373,749

National Cancer Institute
 CCSG: Administrative Supplement to
 Strengthen the Research, Training and
 Outreach Capacity of the Geographic
 Management of Cancer Health Disparities
 Program \$250,000

Oncology Research Information Exchange
 Network
 Addressing Cancer Disparities and
 Facilitating ORIEN Precision Medicine in
 Collaboration With American Indian
 Nations \$250,000

Children's Hospital of Philadelphia
 Phase 3 Randomized Trial of Inotuzumab
 Ozogamicin for Newly Diagnosed High-risk
 B-ALL; Risk-adapted Post-induction Therapy
 for High-Risk B-ALL, Mixed Phenotype
 Acute Leukemia, and Disseminated
 B-LLy (1732 Study) \$115,708

National Cancer Institute
 CCSG: Administrative Supplement to
 Strengthen NCI-Supported Community
 Outreach Capacity Through Community
 Health Educators of the National
 Outreach Network \$115,000

National Cancer Institute
 University of New Mexico Cancer Center
 Support Grant: Continuing Umbrella
 Reserach Experience \$113,625

Cowboys for Cancer Research
 Cowboys for Cancer Research \$97,028

Brigham and Women's Hospital
 Biomarker, Imaging and Quality of Life
 Studies Funding Program \$78,784

Oregon Health & Science University
 SWOG Network Group Operations Center
 of the NCTN: S1318: a Phase 2 Study of
 Blinatumomab (NSC-765986) and
 POMP \$54,173

Emrullah Yilmaz

New Mexico Cancer Care Alliance
 Clinical Trial Agreement-Phase 2 \$38,466

Cell Biology & Physiology**Amy Gardiner**

National Institute on Alcohol Abuse and
 Alcoholism
 The Role of Mir-150 in Regulating
 Angiogenesis During Prenatal Alcohol
 Exposure \$179,906

Laura Gonzalez-Bosc

Department of the Navy
 Biomarkers of Hypoxia Exposure \$135,193

Helen Hathaway

National Cancer Institute
 Is Tumor-Adjacent Histologically Normal
 Tissue Primed for Tumorigenesis?
 Continuation \$313,008

Nikki Jernigan

National Heart, Lung, and Blood Institute
 R01 Renewal Vascular Smooth Muscle
 Function in Pulmonary Hypertension -
 Continuation \$378,750

National Heart, Lung, and Blood Institute
 The Role of the Acid-Sensing Ion
 Channel 1 in the Systemic Vasculature -
 Continuation \$23,883

National Heart, Lung, and Blood Institute
 The Role of the Acid-Sensing Ion Channel 1
 in the Systemic Vasculatur - Non-Specific
 Supplement \$294



Vijay Naik

Exhalix, LLC
 Dynamic Breath Gas Sensor for Detection
 of Pulmonary Edema \$33,000

Thomas Resta

National Institutes of Health
 Minority Institutional Research Training
 Program (T32) - Continuation \$204,358

Dental Medicine**Gary Cuttrel**

HRSA/HIV-AIDS Bureau
 Dental Partnership Program, HRSA Ryan
 White Part F - Continuation \$225,128

New Mexico Department of Health
 Basic Oral Health Services \$106,334

New Mexico Department of Health
 Basic Oral Health \$83,259

Dermatology**Emily Altman**

Principia Biopharma Inc.
 PRN1008-012: A Phase 3 Randomized,
 Double-Blind, Placebo-Controlled,
 Multicenter Trial to Evaluate the Efficacy
 and Safety of Oral BTK Inhibitor PRN1008 in
 Moderate to Severe Pemphigus \$275,490

Lilly USA, LLC
 14V-MC-JAIR: A Multicenter, Randomized,
 Double-Blind, Placebo-Controlled Phase 3
 Study to Evaluate the Efficacy and Safety of
 Baricitinib in Adult Patients With Severe or
 Very Severe Alopecia Areata \$200,000

Principia Biopharma Inc.
 PRN1008-012: A Phase 3 Randomized,
 Double-Blind, Placebo-Controlled,
 Multicenter Trial to Evaluate the Efficacy
 and Safety of Oral BTK Inhibitor PRN1008 in
 Moderate to Severe Pemphigus -
 Non-Specific Supplement \$450

John Durkin

Lilly USA, LLC
 Clinical Study: Ixekizumab in the Treatment
 of Lichen Planus \$211,492

ECHO Institute**Sanjeev Arora**

Defense Health Agency
 Telementoring Services Defense Health
 Agency \$792,283

National Network of Public Health Institute
 Safe Opioid Prescribing ECHO \$750,000

Bristol Myers Squibb, Inc. Foundation
 Leveraging the ECHO Model for International
 COVID-19 Response \$500,000

Centers for Disease Control and Prevention
 Building U.S. Public Health Service Clinical
 Opioid Response Capacity \$490,000

Health Resources and Services
 Administration
 COVID Ryan White HIV/AIDS Program AIDS
 Education and Training Centers Program
 COVID19 Response \$400,000

Health Resources and Services
 Administration
 SC AETC End HIV Epidemic Specific
 Supplement \$395,061

Gilead Sciences
 Improving Hepatitis C Care in Rural
 and Underserved Appalachian
 Communities \$300,000

New Mexico Department of Health
 Hepatitis and HIV Clinical Consultant Project
 - Continuation \$300,000

New Mexico Department of Health
 Opioid Rapid Response Team \$250,317

U.S. Department of Agriculture
 First Responder ECHO Program for Rural
 EMS Providers \$250,000

University of California, Davis
 ECHO Support for Multinational Health
 Education Networks in Africa and Southeast
 Asia - Continuation \$233,728

Northwest Portland Area Indian Health
 Board
 Indian Health Service TeleECHO Clinic
 Support - Continuation \$225,000

New Mexico Department of Corrections
 N.M. Department of Corrections
 Hepatitis C \$190,644

Health Resources and Services
 Administration
 South Central AIDS Education and Training
 Center Program \$183,763

JHPIEGO Corporation
 JHPIEGO Healthcare Workforce -
 Supplement \$180,000

High Plains Regional Education
 Cooperative #3
 ECHO for Education: Graduates and Teacher
 Pipeline \$163,314

University of Maryland, Baltimore County
 Project ECHO Immersion and Follow-Up
 Training in Nigeria \$150,000

New Mexico Department of Health
 N.M. Opioid Rapid Response Project \$138,304

Armenia Ministry of Health
 ECHO Partnership With the Global Fund
 for HCV-HIV Care in Armenia \$134,802

University of Maryland
 Project ECHO Immersion in
 Tanzania \$128,725

Chronic Liver Disease Foundation
 CLDF PEP Program \$120,000

New Venture Fund
 ECHO/Co-Impact Partnership for
 Achieving Global Scale \$100,000

Presbyterian Medical Services
 MCO Depression Quality Improvement
 Pilot \$65,000

Health Care Service Corporation
 MCO Depression Quality Improvement
 Project \$65,000

Western Sky Community Care
 Western Sky MCO Depression ECHO \$65,000

JHPIEGO Corporation
 JHPIEGO Healthcare Workforce -
 Continuation \$50,000

JHPIEGO Corporation
 JHPIEGO Healthcare Workforce \$50,000

Tanzania Health Promotion Support
 Leveraging the ECHO Model to Improve Lab
 Services in Tanzania \$49,384

Stanford University
 Stanford University T1d Support and
 Technical Assistance \$43,379

University of California, Davis
 ECHO Support for Multinational Health
 Education Networks in Africa and
 Southeast Asia \$40,146

New Mexico Department of Health
 TB Border Health 2019 \$40,000

New Mexico Corrections Department
 Re-Entry ECHO Program: Supporting
 PEP Graduates As Peer Support
 Workers \$34,740

Health Research Inc.
 ECHO Partnership for Quality Improvement
 Innovations in HIV Care -
 Continuation \$25,935

CDC Foundation
 COVID-19: Advanced HIV Disease in
 the Context of COVID-19 Virtual
 Training Series \$25,550

Prevent Cancer Foundation AORTIC Conference	\$25,000
Four Seasons Four Seasons Palliative Care Grant	\$12,500
University of British Columbia Vancouver PEP Training	\$10,000

Emergency Medicine

Danielle Albright

New Mexico Crime Victims Reparation Commission Coordination of Domestic Violence Death Review	\$140,000
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New Mexico Crime Victims Reparation Commission Sexual Assault & Persons With Disabilities	\$150,000
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Justin Baca

Abbott Point of Care Inc. CS-2016-0005 Clinical Evaluation of I-STAT Ctni Ntg Test to Aid in the Diagnosis of Myocardial Infarction	\$490,410
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Laura Banks

New Mexico Transportation Department Pedestrian Safety Initiative	\$300,000
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New Mexico Department of Homeland Security & Emergency Management NMDHSEM Preparedness Conference	\$82,320
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New Mexico Department of Health Partners in Preparedness Conference	\$69,614
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Darren Braude

Department of the Air Force UNM Educational Service Agreement FY20	\$518,760
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Department of the Air Force UNM Educational Service Agreement FY20 - Non-Specific Supplement	\$495,480
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City of Albuquerque Medical Directorship - Continuation	\$382,593
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Valencia County Medical Directorship	\$137,232
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New Mexico Public Safety Department Professional Services TEMS	\$82,167
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Sandoval County Medical Directorship - Continuation	\$54,000
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City of Albuquerque Professional Services Agreement - Continuation	\$50,000
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Department of the Air Force UNM Educational Service Agreement FY20 - Non-Specific Supplement	\$43,200
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City of Rio Rancho Medical Director Services - Continuation	\$37,200
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Bernalillo County Medical Directorship - Continuation	\$14,000
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K&I Field Services Medical Direction and Care - Continuation	\$12,500
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City of Rio Rancho Professional Services - Continuation	\$10,500
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City of Rio Rancho Professional Services	\$7,500
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City of Rio Rancho Professional Services - Continuation	\$5,000
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U.S. National Park Service Zion National Park ALS Refresher	\$4,481
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Village of Cuba Medical Directorship - Continuation	\$4,100
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Sandia Crest Marathon Medical Directorship - Continuation	\$1,550
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Cameron Crandall

McLean Hospital CTN-0099: Emergency Department-Initiated Buprenorphine VALIDaTION Network Trial	\$107,918
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Joy Crook

New Mexico Department of Health FY20 Statewide EMS	\$50,000
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Douglas Dixon

Taos County Medical Directorship - Continuation	\$36,000
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Taos County Medical Directorship - Continuation	\$36,000
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Valencia Regional Emergency Communication Center Professional Services - Continuation	\$9,000
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Jon Kenneth Femling

Light AI, Inc. Pilot Study of Strepic Device for the Diagnosis of Group A Streptococcal Pharyngitis - Specific Supplement	\$196,480
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Olive View Medical Center-UCLA EMERGENCY IDnet: Emergency Department Sentinel Network for Surveillance of Emerging Infections - Continuation	\$7,000
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Andrew Harrell

City of Albuquerque Medical Director Services	\$55,760
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New Mexico Department of Public Safety/N.M. State Police Medical Direction	\$50,000
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Bernalillo County Sheriff's Department Professional Services Medical Director and SWAT Training - Continuation	\$20,000
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Jonathan Marinaro

Kindred Hospital (Transitional Hospital Corp. of NM) Medical Director Services - Continuation	\$25,000
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Aaron Reilly

High Altitude Athletics Club Medical Director	\$2,000
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Trans-Pecos Ultra Medical Directorship - Continuation	\$2,000
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Robert Sapien

HRSA/Maternal and Child Health Bureau N.M. EMS for Children Program	\$130,000
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Nationwide Children's Hospital C-Spine	\$40,200
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University of Arizona
EMSC: Pediatric Emergency Care Applied
Research Network - Continuation \$12,688

Philip Seidenberg

Abbott Laboratories Inc.
Alinity I STAT Hstni Design Validation
Protocol \$311,643

Brandon Warrick

U.S. Department of Justice
U.S. Attorney Expert Witness
Yazzie v. USA \$12,166

Chelsea White

Isleta Health Center
Professional Services \$96,250

Pueblo of Laguna Fire Protection Program
Laguna Pueblo Medical Direction \$80,000

Ramah Navajo School Board, Inc, dba Pine
Hill Health Center
Medical Directorship for Ramah Navajo
School Board, Inc. Pine Hill, New Mexico
W/BAA - Continuation \$45,000

Pueblo of Acoma EMS
Acoma Pueblo EMS Medical
Directorship \$36,000

Cibola County
Medical Directorship - Continuation \$12,000

U.S. National Park Service
Medical Directorship El Malpais/
El Morro \$4,500

Jenna White

Pueblo of Jemez
Pueblo of Jemez Medical Direction
2020 \$20,000

Town of Cochiti Lake
Medical Director Services -
Continuation \$7,500

Village of Tijeras
Medical Directorship - Continuation \$3,600

Family & Community Medicine

Antoinette Benton

New Mexico Department of Health
FY20 Transdisciplinary Evaluation and
Support Clinic W/BAA \$1,176,120

Falling Colors Corporation
Pre-Administration Screening and Resident
Review - FY21 - Continuation \$194,569

Valerie Carrejo

American Academy of Addiction Psychiatry
Minority Fellowship Program \$29,681

Arthur Kaufman

Bernalillo County

Adverse Childhood Experiences -
Continuation \$998,928

City of Albuquerque
Intensive Case Management
FY20 \$562,500

Presbyterian Healthcare Services
FY20 Presbyterian Healthcare Contract
for Services \$173,532

New Mexico Department of Health
FY20 New Mexico Immunization
Coalition \$137,787

New Mexico Department of Health
New Mexico Immunization Coalition -
Continuation - FY21 \$100,000

Sarah Lathrop

New Mexico Department of Health
N.M. Emerging Infections Program \$490,780

New Mexico Department of Health
FY20 NM Emerging Infections Program -
Specific Supplement \$21,100

Orrin Myers

U.S. National Park Service
Statistical Analyses of Restoration
Monitoring Programs in the Jemez
Mountains of Northern New Mexico -
Continuation - FY21 \$19,668

Marnie Nixon

Project Concern International -
PCIGlobal.org
N.M. CollN - Non-Specific
Supplement \$5,000

Janet Page-Reeves

National Institute on Minority Health and
Health Disparities
TERTULIAS: Addressing Social Isolation to
Reduce Depression Among Female Mexican
Immigrants \$578,397

National Institute on Minority Health and
Health Disparities
TERTULIAS: Addressing Social Isolation
to Reduce Depression Among Female
Mexican Immigrants - Continuation -
FY21 \$522,134

EleValle
EleValle Evaluation Services \$3,550

Nancy Pandhi

Oregon Health & Science University
FY20 Oregon Clinical and Translational
Research Institute: Experiences With
Pediatric Cancer \$15,659

Laura Parajon

New Mexico Department of Health
Residents to the Border \$674,000

Tassy Parker

University of Colorado Denver
FY20 Collaborative Hubs to Reduce the
Burden of Suicide Among American Indian
& Alaska Native Youth \$170,464

Washington State University
Native-Controlling Hypertension and
Risks Through Technology - FY21 -
Continuation \$56,706

University of Colorado Health Sciences
Center
Center for American Indian and Alaska
Native Health Disparities \$29,682

David Rakel

Presbyterian Medical Services
Professional Services - Continuation \$28,800

First Choice Community Healthcare
Professional Services Agreement -
Continuation \$25,000

First Choice Community Healthcare
Professional Services Agreement -
Continuation \$25,000

Robert Rhyné

Kaiser Permanente Research Institute
Patient-Centered Team-Based Primary Care
to Treat Opioid Use Disorder, Depression
and Other Conditions \$853,534

New Mexico Department of Health
Academic Detailing Project FY20 \$114,468

Valerie Romero-Leggott

HRSA/Bureau of Health Workforce
National HCOP Academies \$644,491

Helene B Silverblatt

HRSA/Bureau of Health Workforce
Area Health Education Centers
Program \$407,820

Southwest Center for Health Innovation
Contract for Services \$5,000

Andrew Sussman

National Institutes of Health
Women in Survivorship Healthcare:
Implementation of a Nurse Navigation
Model for Medically Underserved Breast
and Gynecologic Cancer Survivors Using
Project ECHO \$164,756

Daniel Waldman

HRSA/Bureau of Health Workforce
Residency Training in Primary Care
Program \$477,425

Internal Medicine

Allen Adolphe

Gilead Sciences
Clinical Trial Phase 3:
GS-US-223-1017 \$1,342,675

Sanofi US Services, Inc.
SAR439954: A Randomized, Double-Blind, Placebo-Controlled, Parallel-Group, Multicenter Study to Evaluate the Effects of SOTagliflozin on Clinical Outcomes in Hemodynamically Stable Patients With Type 2 Diabetes POST Worsening Heart Failure \$833,242

Christos Argyropoulos

Dialysis Clinic, Inc.
CE-IT-IS COMPLEX \$673,849

Dialysis Clinic, Inc.
COMPASS - Continuation \$665,844

Dialysis Clinic, Inc.
Grand Rounds Support - Continuation \$179,250

Soraya Arzhan

Dialysis Clinic, Inc.
Implications of Hypermagnesemia in Hospitalized Patients Without and With Chronic Kidney Disease \$329,458

Cristian Bologna

Givaudan Flavors Corporation
Givaudan Flavors Y12 \$205,000

Steven Bradfute

U.S. Department of Defense Health Program
Effects of Passive Immunization on Immunogenicity of Filovirus Vaccines \$1,201,171

Albert Einstein College of Medicine
Prometheus: A Platform for Rapid Development of Immunotherapeutics and Immunoprophylactics Against Emerging Viral Threats - Y2 \$315,758

Los Alamos National Laboratory
Immunogenicity of Delayed Antigen Release Systems \$60,000

Celdara Medical, LLC
Blood Samples for Antibody Generation Against Hantaviruses \$8,000

Cleanbox Technologies
Bradfute Cleanbox PSA \$7,500

Mark Burge

Novo Nordisk, Inc.
NN9535-4352: Long-Term Effects of Semaglutide on Diabetic Retinopathy in Subjects With Type 2 Diabetes (FOCUS) Trial Phase 3b \$263,537

Osman Dokmeci

AbbVie
M18-891: A Phase 3 Randomized, Placebo-Controlled, Double-Blind Study to Evaluate Upadacitinib in Adolescent and Adult Subjects With Moderate to Severe Atopic Dermatitis - Specific Supplement \$434,128

AbbVie
M18-891: A Phase 3 Randomized, Placebo-controlled, Double-Blind Study to Evaluate Upadacitinib in Adolescent and Adult Subjects With Moderate to Severe Atopic Dermatitis - Specific Supplement \$160,728

AstraZeneca Pharmaceuticals, LP
D3253c00001: A Study to Evaluate the Efficacy and Safety of Benralizumab Compared to Mepolizumab in the Treatment of Eosinophilic Granulomatosis in Polyangiitis in Patients Receiving Standard-of-Care Treatment \$25,600

Michelle Harkins

Cystic Fibrosis Foundation
Cystic Fibrosis Care Center Program 2019-20 \$62,650

Michelle Iandiorio

Health Resources and Services Administration
Comprehensive HIV Early Intervention Services (Ryan White Part C) - Non-Specific Supplement \$538,921

New Mexico Department of Health
DOH HIV Provider Agreement W/BAA - Specific Supplement \$348,046

Health Resources and Services Administration
Comprehensive HIV Early Intervention Services (Ryan White Part C) - Continuation Y20-21 \$179,640

HRSA/HIV-AIDS Bureau
COVID Ryan White HIV/AIDS Program Part C EIS COVID \$106,481

HRSA/HIV-AIDS Bureau
COVID Ryan White HIV/AIDS Program Part D WICY COVID \$36,185

Julie In

National Institute of Diabetes and Digestive and Kidney Diseases
Human Enteroids As a Model of Host-EHEC Interactions - Y6 \$152,388

Denece Kesler

HRSA/Bureau of Health Workforce
Preventive Medicine Residency Program \$399,984

HRSA/Office of Rural Health Policy
Radiation Exposure Screening Education Program \$243,923

HRSA/Office of Rural Health Policy
Radiation Exposure Screening and Education Program \$223,956

HRSA/Office of Rural Health Policy
Radiation Exposure Screening Education Program \$37,810

Olga Kovbasnjuk

University of Maryland, Baltimore County
Pathogenesis of E. Coli and Shigella Infections in Human Enteroid Models - Cont Y3 \$204,139

Baylor College of Medicine
Mediators of Intestinal Barrier Dysfunction in Inflammatory Bowel Disease \$94,688

University of Washington
A Microphysiological System for Kidney Disease Modeling and Drug Efficacy Testing \$34,845

Christophe Lambert

National Institutes of Health
Deriving High-Quality Evidence From National Healthcare Databases to Improve Suicidality Detection and Treatment Outcomes in PTSD and TBI \$776,198

Erin Madden

Utah State University
Tribal and Rural Opioid Initiative Integrated Response Effort \$19,464

Utah State University
Translating Effective Opioid Harm Reduction and Wellness Training to Tribal and Rural Utah Y2 \$18,924

A. Robb McLean

The Bell Group, Inc.
Professional Services: UNM Center for Life - Continuation \$25,000

Lana Melendres-Groves

Complexa
PRIMEx Plus CXA-10-2302 \$114,944

United Therapeutics Corporation
TDE-PH-402: EXPEDITE: A 24-Week Multicenter, Open-Label, Rapid Dose Escalation Study in Remodulin Followed by Optimal Orenitram Dose in Subjects With Pulmonary Arterial Hypertension \$108,800

Pharmaceutical Research Assoc.
Protocol AC-055-510: U.S.-Based, Observational, Drug Registry of Opsumit (Macitentan) New Users in Clinical Practice - Non-Specific Supplement \$101,013

Liquidia Technologies
Protocol LTI-302: A Global Open-Label Extension Study for Participants in LIQ861 Trials to Evaluate the Long-term Safety of Inhaled LIQ861(Treprostinil) in Pulmonary Arterial Hypertension (WHO Group 1) Patients \$60,160

United Therapeutics Corporation
ADAPT TDE-PH-401 \$52,800

Tudor Oprea

National Institutes of Health
Knowledge Management Center for Illuminating the Druggable Genome - Continuation \$1,000,000

The Jackson Laboratory
Illuminating the Druggable Genome by Knowledge Graphs \$118,604

East Carolina University, Brody School of Medicine
Ligand Specificity in Human Glucose Transporters GLUT1-5 and GLUT9 - Y2 - Amendment 1 \$67,899

Kimberly Page

National Institute on Drug Abuse
New Mexico Clinical Trials Node: Clinical Research and Practice to Address Substance Use in Diverse, Rural and Underserved Populations - Y2 \$2,679,320

The RAND Corporation
Improving Access and Treatment for Co-Occurring Opioid Use Disorders and Mental Illness Disorders \$627,305

Upstate Affiliate Organization
Patient-Centered Models of Hepatitis C Care for People Who Inject Drugs - Continuation Y5 \$429,986

Gulshan Parasher

AbbVie
M14-234 \$1,482,617

AbbVie
M14-675: A Multicenter Randomized, Double-Blind, Placebo-Controlled Induction Study to Evaluate the Efficacy and Safety of Upadacitinib (ABT-494) in Subjects With Moderately to Severely Active Ulcerative Colitis \$1,243,418

AbbVie
M14-533: A Phase 3 Multicenter, Long-Term Extension Study to Evaluate the Safety and Efficacy of Upadacitinib (ABT-494) in Subjects With Ulcerative Colitis \$880,344

AbbVie
M15-722: Efficacy and Safety of ABBV-323 in Subjects With Moderate to Severe Ulcerative Colitis Who Failed Prior Therapy \$370,734

Douglas Perkins

National Institute of Allergy and Infectious Diseases
Defining the Inflammation and Immunity Transcriptome in Severe Malarial Anemia for Immunotherapeutic Discovery \$711,525

John E. Fogarty International Center for Advanced Study in the Health Sciences
Training and Research on Severe Malarial Anemia - Yr18 \$267,824

Harvard School of Public Health
Fogarty Global Health Training Fellowship Program - Y3 \$24,920

David Schade

George Washington University
Glycemia Reduction Approaches in Diabetes: a Comparative Effectiveness Study - Y8 \$650,876

National Institute of Diabetes and Digestive and Kidney Diseases
Diabetes Prevention Program - Phase 3 - Continuation Y27 \$263,486

Case Western Reserve University
Epidemiology of Diabetes Intervention and Complications \$126,549

Case Western Reserve University
Epidemiology of Diabetes Intervention and Complications - Specific Supplement A1 \$29,766

George Washington University
GRADE Sub-study: Emotional Distress in a Comparative Effectiveness Trial of Diabetes Treatments \$13,912

Case Western Reserve University
Effects of Biomedical Risk Factors on Neuro-Cognition Using MRI: Long Term Follow-up of the Diabetes Control & Complications Trial/Epidemiology of Diabetes Interventions & Complications Study Phase IV - Specific Supplement \$1,670

University of South Florida
Type I Diabetes Trialnet - Continuation FY19-20 \$390

Melissa Schiff

New Mexico Department of Health
CDC Maternal Mortality Review Committee Grant - Continuation \$85,102

New Mexico Department of Health
CDC Maternal Mortality Review Committee Grant \$30,256

Rahul Shekhar

Karyopharm Therapeutics Inc.
COVID: XPORT-CoV-1001 \$192,000

Mark Sheldon

U.S. Department of Veterans Affairs
Interventional Cardiology Services at the VA - Continuation \$430,857

Rutgers, The State University of New Jersey
Myocardial Ischemia and Transfusion - CCC - Continuation Y3 \$42,000

Manoocher Soleimani

U.S. Department of Veterans Affairs
IPA - Barone \$38,431

U.S. Department of Veterans Affairs
IPA - Zahedi \$38,431



Akshay Sood

National Institutes of Health
*Effectiveness of Innovative Research Mentor
 Interventions Among Underrepresented
 Minority Faculty in the Southwest -
 FY 20-21* \$742,896

Miners Colfax Medical Center
Medical Consultation and Care \$198,964

Miners Colfax Medical Center
*An Innovative Approach to Increasing
 Access to Miners in the Mountain West -
 Continuation Y2* \$21,730

Mark Unruh

Dialysis Clinic, Inc.
*DCI Supplemental Funding for American
 Indian Chronic Renal Insufficiency
 Cohort Study* \$1,191,304

Albuquerque Area Indian Health Service
*Nephrology and Rheumatology IHS Specialty
 Services - Continuation* \$232,339

University of Pittsburgh
*Technology-Assisted Stepped Collaborative
 Care Intervention to Improve Patient-
 Centered Outcomes in Hemodialysis
 Patients* \$214,333

University of Washington
*Treatment Options for Insomnia for
 ESRD - Continuation* \$140,634

Dialysis Clinic, Inc.
SLEEP-HD DCI Supplement \$97,047

Albuquerque Area Indian Health Service
*Rheumatology IHS Specialty Services -
 Continuation* \$90,240

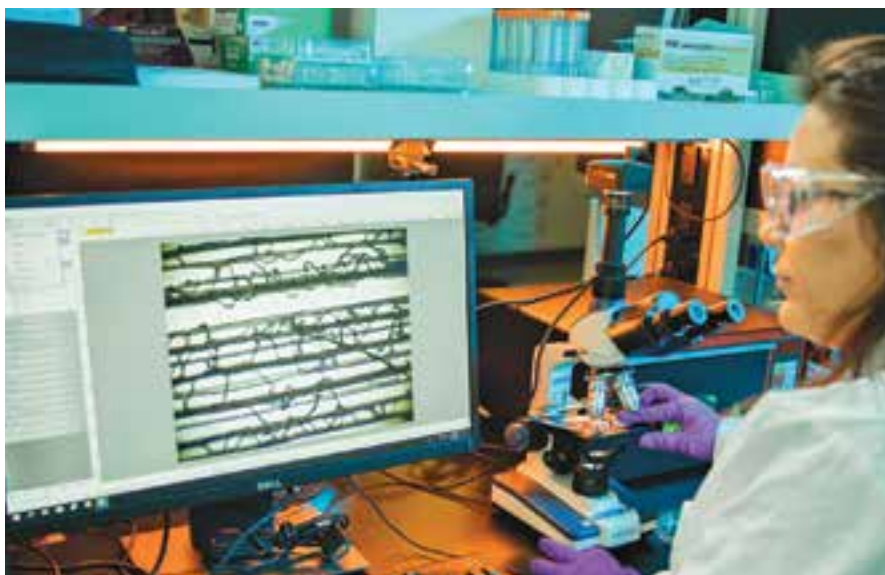
Albuquerque Area Indian Health Service
*Nephrology and Rheumatology IHS
 Specialty Services* \$47,656

University of Washington
*Randomized ESRD Trial COmparing CBT
 Alone VERsus With Buprenorphine* \$27,881

Honeywell Aerospace
Professional Services \$25,000

Lovelace Respiratory Research Institute
*Occupational and Environmental Health
 Clinical Services - Continuation* \$25,000

Zenith American Solutions, Inc.
*Professional Services -
 Continuation* \$25,000

**Molecular Genetics & Microbiology****Kiran Bhaskar**

National Institutes of Health
*The Role of Inflammasome Signaling in
 Tauopathies - Continuation* \$2,227,795

National Institutes of Health
*The Role of Inflammasome Signaling in
 Tauopathies* \$518,023

Electro Cellular Health Solutions, LLC
*Determine Anti-Inflammatory and Trophic
 Properties of Three Different Pulsed
 Electromagnetic Field Stimulation* \$34,356

Judy Cannon

Tau Technologies
*Interacting Swarms of Agents: From
 Immunology to Social Media -
 Continuation* \$215,456

Bryce Chackerian

National Institutes of Health
*A Nanoparticle-Based Vaccine Targeting
 PCSK9* \$487,466

Henry M. Jackson Foundation
*Epitope-Based Vaccines for Neisseria
 Gonorrhoeae - Yr 2* \$261,981

Massachusetts General Hospital
*Innate-Like BCR Activity As a Template for
 Universal Vaccination Against Influenza
 Virus - Continuation* \$157,049

Massachusetts General Hospital
*CDRH3-Independent B Cell Stimulation to
 Selectively Expand VRC01 Lineages From a
 Fully Humanized Immunoglobulin Repertoire -
 Continuation* \$80,457

Henry M. Jackson Foundation
ACC STI CRC UNM Subcontract \$63,785

National Institutes of Health
*A Nanoparticle-Based Vaccine Targeting
 PCSK9 - Non-Specific Supplement* \$25,657

Vojo Deretic

National Institute of General Medical
 Sciences
*Autophagy, Inflammation and Metabolism
 in Disease Center* \$2,174,751

National Institutes of Health
*Autophagy Against Tuberculosis
 and HIV* \$744,529

National Institute of Allergy and Infectious
 Diseases
*Pattern Recognition Receptors and
 Autophagy in Mtb Control in AIDS* \$488,425

Alison Kell

National Institute of Allergy and Infectious
 Diseases
*Mechanisms of Intrinsic Host Responses
 to Hantavirus Infection* \$153,120

Michael Mandell

National Institute of Allergy and Infectious
 Diseases
*Prevention of HIV-Induced T Cell Killing
 by Autophagy* \$189,375

Mary Ann Osley

National Institute on Aging
*Functional Analysis of Cellular
 Quiescence* \$310,575

Michelle Ozbun

National Cancer Institute
*Mechanisms of Infection by Oncogenic
 HPVs - Continuation Yr 4* \$345,887

National Institutes of Health
*Sex-Based Differences in Oral HPV
 Infections and Outcomes - Yr 2* \$189,375

City of Albuquerque Detection of EEHV in Albuquerque Biopark Elephants	\$154,080	University of Rochester Support FOR-DMD Project, Part I AWD00001193 (Industry) - Continuation FY19	\$4,134	Biogen, Inc. CHARM TRIAL - 252LH301	\$25,600
National Cancer Institute EGFR Signaling As the Nexus for HPV Oncogene Regulation	\$40,659	University of Rochester Support FOR-MD Project, Part I AWD00001193 (Industry) - Continuation FY20	\$4,134	Jennifer Vickers New Mexico Department of Health CMS Outreach Clinics - Neurology - Continuation FY20	\$598,185
Xuexian Yang National Institutes of Health The Cytokine Signal Suppressor CIS in Giant Cell Pneumonitis	\$378,750	Tobias Kulik University of Cincinnati Multi-Arm Optimization of Stroke Thrombolysis Stroke Trial - Non-Specific Supplement	\$232,876	Yi Yang National Institute of Neurological Disorders and Stroke R01: Sphingosine 1 Phosphate Signaling in Cerebral Small Vessel Disease	\$2,640,472
National Institutes of Health Leptin Promotes Allergic Asthma Through Unfolded Protein Responses	\$227,250	University of Cincinnati StAtins Use in Intracerebral Hemorrhage Patients	\$108,630	Atif Zafar University of Cincinnati Atrial Cardiopathy and Antithrombotic Drugs in Prevention After Cryptogenic Stroke - Non-Specific Supplement	\$63,066
Neurology					
Corey Ford					
Genentech, Inc. WA40404: A Phase 3b Multicenter Randomized, Double Blind, Placebo Controlled Study to Evaluate the Efficacy and Safety of OCRELIZUMAB in Adults With Primary Progressive Multiple Sclerosis	\$1,457,054	Bard Medical Division BMD-1111: Impact of Fever Prevention in Brain Injured Patients	\$74,560	Neurosciences	
Genzyme Corporation Clinical Trial Agreement - Phase 4	\$54,799	University of Cincinnati Multi-Arm Optimization of Stroke Thrombolysis Stroke Trial - Continuation	\$58,219	Andrea Allan	
TG Therapeutics TG1101-RMS303: An Open Label Extension Study of Ublituximab in Subjects With Relapsing Multiple Sclerosis	\$52,244	John Phillips The Mind Research Network MRN Medical Director - Continuation FY20	\$34,217	National Institute of Environmental Health Sciences Prenatal Arsenic Exposure Alters Transcriptional, Post-Transcriptional and Post-Translational Programming	
Biogen Idec Observational Study Agreement - Phase 4 - Non-Specific Supplement	\$1,670	Sarah Pirio Richardson Emory University Delineation of Individual and Temporal Variations to Botulinum Toxin Treatment	\$155,533	Jonathan Brigman National Institute on Alcohol Abuse and Alcoholism Prenatal Alcohol Exposure and Corticostriatal Control of Behavioral Flexibility - Continuation	
Tarun Girotra University of Cincinnati Anticoagulation in Intracerebral Hemorrhage Survivors for Stroke Prevention and Recovery Trial	\$669,930	Ranjana Poddar National Institute of Neurological Disorders and Stroke Molecular Basis of Hyperhomocysteinemia- Induced Brain Injury in Ischemic Stroke	\$592,165	University of California, San Diego Neurophysiological Biomarkers of Behavioral Dimensions - Continuation	
University of Cincinnati ARCADIA Cognition and Silent Infarcts	\$142,000	Stefan Posse National Institutes of Health Concurrent High-Speed fMRI and MRSI (R21) - Continuation FY21	\$48,702	National Institute of Mental Health Psychiatric Disease-Associated CircRNA Modulates Synaptic Efficacy and Cortical Function.	
University of Cincinnati Atrial Cardiopathy and Antithrombotic Drugs in Prevention After Cryptogenic Stroke - Continuation-FY20	\$30,243	Michel Torbey Biogen, Inc. CHARM TRIAL - 252LH301 - Non-Specific Supplement	\$259,420	Kevin Caldwell National Institute on Alcohol Abuse and Alcoholism Sex-Dependent Effects of Prenatal Alcohol Exposure on Developmental Programming - Continuation	
Monika Krzesniak-Swinarska University of Rochester FOR-DMD: Double-Blind Randomized Trial to Optimize Steroid Regimen in Duchenne MD AWD00001200 - Continuation FY20	\$18,180	University of California, San Francisco Brain Vascular Malformation Consortium: Predictors of Clinical Course	\$204,525	Lee Anna Cunningham National Institute on Alcohol Abuse and Alcoholism Connectivity of Adult-Generated Dentate Granule Cells in a Mouse Model of Prenatal Alcohol Exposure	
Muscular Dystrophy Association UNM MDA and MDA/ALS Care Centers W/BAA - June 2020	\$10,000	University of Chicago Trial Readiness in Cavernous Angiomas With Symptomatic Hemorrhage - Continuation 2020	\$38,000	David Linsenbardt National Institute on Alcohol Abuse and Alcoholism Repeated Binge Drinking and the Genetic Regulation of Corticostriatal Synchrony	

Nikolaos Mellios

National Institutes of Health
*Role of Psychiatric Disease-Associated
 Circular RNAs in Neuronal Function and
 Cognition - Continuation* \$370,510

Johns Hopkins University
*Placental-Mediated Mechanisms of Perinatal
 Brain Injury - Continuation* \$4,874

Erin Milligan

National Institute on Alcohol Abuse and
 Alcoholism
*Prenatal Alcohol Exposure Potentiates Pain
 Via Lifelong Spinal-Immune Changes -
 Continuation* \$290,039

Nora Perrone-Bizzozero

University of South Carolina
*Antagonistic Roles of Hud and KSRP for
 MRN Stability in Neuronal Growth* \$222,918

Arizona State University
*Role of Cirkomer1 in Synaptic Plasticity
 and Cocaine-Seeking Behavior* \$161,058

Georgia State University
*Mining the Genome-Wide Scan: Genetic
 Profiles of Structural Loss in
 Schizophrenia* \$24,954

Georgia State University
*Mining the Genome-Wide Scan: Genetic
 Profiles of Structural Loss in Schizophrenia -
 Continuation* \$16,544

Jessica Dawn Richardson

New Mexico Governor's Commission
 on Disability
Health Extension Rural Offices \$25,000

**Daniel Savage**

National Institute on Alcohol Abuse and
 Alcoholism
*Fetal Ethanol-Induced Behavioral Deficits:
 Mechanisms, Diagnoses and Intervention
 Competing Renewal* \$1,508,352

National Institute on Alcohol Abuse and
 Alcoholism
*Fetal Ethanol-induced Behavioral
 Deficits: Mechanisms, Diagnoses and
 Intervention Competing Renewal -
 Continuation* \$1,495,477

Bill Shuttleworth

National Institute of General Medical
 Sciences
UNM CBRR - Continuation Yr 5 \$2,097,553

National Institute of Neurological
 Disorders and Stroke
*Spreading Depolarizations and Neuronal
 Vulnerability* \$293,975

New Mexico State University
*New Mexico IDEeA Networks of Biomedical
 Research Excellence* \$253,763

New Mexico State University
*New Mexico IDEeA Networks of Biomedical
 Research Excellence - UNM HSC-
 Continuation* \$160,116

New Mexico State University
*New Mexico IDEeA Networks of Biomedical
 Research Excellence - Mishra Specific
 Supplement* \$151,500

New Mexico State University
*New Mexico IDEeA Networks of Biomedical
 Research Excellence ACOMA_
 Bouchonville - Continuation* \$68,175

New Mexico State University
*New Mexico IDEeA Networks of Biomedical
 Research Excellence* \$59,443

New Mexico State University
*New Mexico IDEeA Networks of Biomedical
 Research Excellence - Specific
 Supplement* \$51,342

National Institute of Neurological
 Disorders and Stroke
*Spreading Depolarizations and Neuronal
 Vulnerability* \$32,665

New Mexico State University
*New Mexico IDEeA Networks of Biomedical
 Research Excellence - Supplement* \$22,725

Carlos Valenzuela

National Institute on Alcohol Abuse
 and Alcoholism
*Alcohol and Developing Neuronal
 Circuits (MERIT Award)* \$378,750

National Institute on Alcohol Abuse
 and Alcoholism
*Alcohol Research Training in
 Neurosciences* \$150,713

Jason Weick

Clemson University
*R11 Track-2 FEC: The Creation of Next-
 Generation Tools for Neuroscience* \$143,487

National Institute of Neurological
 Disorders and Stroke
*Directing Corticospinal Motor Neurons
 for Cell Replacement in Stroke -
 Continuation* \$50,016

Tou Yia Vue

National Institute of Neurological
 Disorders and Stroke
*Underlying Molecular Mechanisms of
 Gliogenesis and Gliomagenesis in the
 CNS - Continuation* \$240,594

Neurosurgery**Denis Bragin**

National Institutes of Health
*Brain Injury Treatment by Modulation of
 Hemodynamics With Blood-Soluble
 Drag-Reducing Molecules* \$334,869

Andrew Carlson

Los Alamos National Laboratory
 LANL Collaboration \$50,000

Polyganics BV
*ENCASE II: Randomized, Two-Arm,
 Multicenter Study to Evaluate the Safety
 and Effectiveness of Dura Sealant Patch in
 Reducing CSF Leakage Following Elective
 Cranial Surgery* \$20,638

IRRAS AB
Professional Service Agreement \$15,400

Muhammad Chohan

NX Development Corp
*5-Aminolevulinic Acid (5-ALA) to Enhance
 Visualization of Malignant Tumor in
 Patients With Newly Diagnosed or
 Recurrent Malignant Gliomas -
 Non-Specific Supplement* \$7,200

William Rivers

Lovelace UNM Rehabilitation Services
 Pain Management Program Director \$49,500

A. Robb McLean

Holy Cross of Taos
*Hospital Service Agreement (ACCESS) -
 Continuation* \$125,000

Lea Regional Medical Center
 Settlement Agreement \$114,480

Paradigm-Catastrophic Care Management
 Medical Directorship \$25,000

Peter Shin

Presbyterian Healthcare Services
Professional Services/Consultations -
Continuation \$402,000

DP Clinical
Mitsubishi MT-3921-G01 \$84,032

Huy Tran

University of Arizona
Brain Oxygen Optimization in Severe
Traumatic Brain Injury - phase 3
(BOOST-3) \$102,381

Obstetrics & Gynecology**Nicholas Andrews**

AbbVie
Protocol #m16-837: Phase 2 Multicenter,
Double-Blind (Sponsor-Unblinded),
Randomized, Placebo-Controlled Study of
the Safety and Efficacy of Elagolix in Women
With Polycystic Ovary Syndrome \$776,820

Conrad Chao

New Mexico Department of Health
High-Risk Prenatal Care \$82,460

Gena Dunivan

Viveve, Inc
Protocol VI-15-01: VIVEVE II: Viveve Geneveve
Treatment of the Vaginal Introitus to Evaluate
Safety and Efficacy - Continuation \$6,400

Viveve, Inc
Protocol VI-15-01: VIVEVE II: Viveve Geneveve
Treatment of the Vaginal Introitus to
Evaluate Safety and Efficacy - Non-Specific
Supplement \$3,753

Eve Espey

First Choice Community Healthcare
Midwifery Services \$89,244

Albuquerque Area Indian Health Service
OBGYN IHS Specialty Services \$72,490

New Mexico Department of Health
Provide Risk-Appropriate Prenatal Medical
Services to Medically Indigent Women in
New Mexico With Obstetrical and/or Medical
Complications - Continuation \$54,960

New Mexico Perinatal Collaborative
Director of Maternal Health
Initiatives \$50,000

New Mexico Department of Health
Certified Nurse Midwife Contractor
Project W/BAA \$25,500

Planned Parenthood of the Rocky
Mountains
Planned Parenthood of the Rocky
Mountains - Continuation \$25,000

Lisa Hofer

RAD
RAD CRH Equipment \$160,480

Society of Family Planning
Hofer Post Fellowship \$60,000

Society of Family Planning
COVID-19 Survey SFP \$300

Yuko Komesu

Cook MyoSite
Protocol 15-06: CELEBRATE: An Adaptive
Two-Stage, Double-Blind, Stratified,
Randomized, Controlled Trial Comparing
the Safety and Efficacy of AMDC-USR
With Placebo in Female Subjects With
Stress Urinary Incontinence - Non-Specific
Supplement \$108,334

Research Triangle Institute
PFDN Capitation \$93,141

Eunice Kennedy Shriver National Institute
of Child Health and Human Development
Innovations in Treatments for Pelvic Floor
Disorders: PFDN Center Grant -
Continuation \$18,180

Eunice Kennedy Shriver National Institute
of Child Health and Human Development
Innovations in Treatments for Pelvic Floor
Disorders: a Southwestern PFDN Site
Center Grant - Continuation \$18,180

Felicia Mancini

Michigan State University
ROSES - The ROSE Sustainment Study \$2,160

Sarah Martinez

New Mexico Department of Health
Provide Risk-Appropriate Prenatal
Medical Services to Medically Indigent
Women in New Mexico With Obstetrical
and/or Medical Complications -
Continuation \$54,960

Office of the Medical Investigator**Lauren Decker**

New Mexico Department of Health
FY20 Mass Fatality Planning \$39,879

Lauren Dvorscak

New Mexico Department of Public Safety
2019 Coverdell Project ECHO
(2020 Funding) \$118,486

U.S. Attorney's Office
Expert Witness Services USA v.
Daniel Morgan \$5,174

Heather Jarrell

Bureau of Indian Affairs
Autopsy Services - Continuation \$179,000

New Mexico Department of Health
Non-Pending Toxicology Salary
Support \$75,000

U.S. Department of Veterans Affairs
VA Non-Forensic Autopsy Services
11/2019-11/2020 \$30,804

New Mexico Department of Public Safety
2020 Funding Paul Coverdell Base \$29,808

Eastern New Mexico Medical Center
Autopsy Services \$25,000

Bureau of Indian Affairs
Autopsy Services - Specific
Supplement \$24,863

New Mexico Department of Health
FY20 - FY21 N.M. Violent Death
Reporting System \$5,275

Memorial Medical Center
Autopsy Services - Memorial Medical
Center \$5,000

U.S. Attorney's Office
Expert Witness Agreement 12/31/19-
6/30/20 \$2,500

Sarah Lathrop

New Mexico Department of Health
FY20 - FY23 Opioid Mortality
Surveillance \$720,038

New Mexico Department of Health
FY20 Opioid Mortality Surveillance \$59,280

U.S. Consumer Product Safety
Commission
MECAP Reports \$1,008

Ian Paul

U.S. Department of Justice
USA v. Xavier Z \$5,217

Lori Proe

New Mexico Crime Victims Reparation
Commission
FY20 Grief Services Program \$104,643

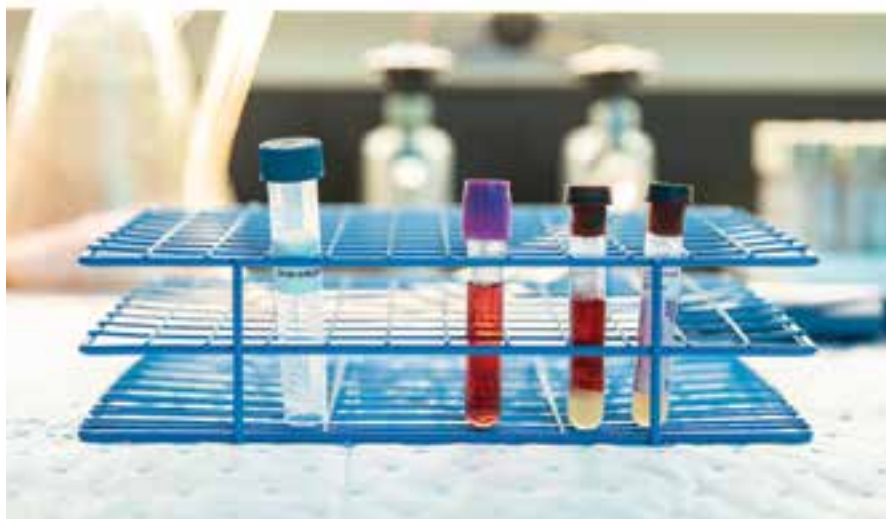
National Center for Chronic Disease
Prevention and Health Promotion
OMI-UNM SUID SDY Application \$60,775

Orthopaedics & Rehabilitation**Marybeth Barkocy**

Move Together Inc.
Move Together \$2,000

Thomas Decoster

Arthrex, Inc.
Arthrex Trauma Fellowship
2019-2020 \$5,000



Gilbert Duxbury

Johnson & Johnson
Adolescent Spinal Deformity Tutorial \$1,395

Beth Jones

Langford Consulting, Inc.
Professional Services Agreement - Continuation \$35,044

Dustin Richter

Arthrex, Inc.
Arthrex Sports Medicine Fellowship 2019-2020 \$20,000

Robert Schenck

Smith & Nephew, Inc
Smith & Nephew Consulting Agreement \$15,500

University of Pittsburgh
Surgical Timing and Rehabilitation for Multiple Ligament Knee Injuries: A Multicenter Integrated Clinical Trial \$8,014

University of Pittsburgh
Surgical Timing and Rehabilitation for Multiple Ligament Knee Injuries: A Multicenter Integrated Clinical Trial - Continuation \$6,838

University of Pittsburgh
STaR-RedCap Qtrly Report March 20 \$5,363

University of Pittsburgh
Surgical Timing and Rehabilitation for Multiple Ligament Knee Injuries: A Multicenter Integrated Clinical Trial - Specific Supplement \$4,689

Pathology

Margaret Alba

American Society for Clinical Pathology
Real-Time Interactive Lab Experience to Increase Emotional Intelligence and Problem Solving Skills in Medical Lab Science Students \$2,000

Cory Broehm

TriCore Reference Laboratories
PSA_TriCore_Roche_Natify Mutation Profiler Early Evaluation Program Alphas Site \$11,600

Devon Chabot-Richards

TriCore Reference Laboratories
PSA_TriCore_Roche_Natify Mutation Profiler Early Evaluation Program Alphas Site \$11,600

Nadja Falk

TriCore Reference Laboratories
Task Order # 5 Ventana Molecular Systems, Inc. _PDL-1 (SP142) BC ILR Study \$10,400

Edgar Fischer

TriCore Reference Laboratories
Task Order #1_Ventana Medical Systems, Inc. _Ventana PDL1 GEJ ILR \$4,800

Jennifer Gillette

National Institutes of Health
Functional Role of Tetraspanin CD82 in Hematopoietic Stem Cell Interaction \$378,750

National Cancer Institute
The Impact of CD82 Expression on Acute Myeloid Leukemia Chemosensitivity and Disease Relapse - Continuation \$33,900

National Institutes of Health
Functional Role of Tetraspanin CD82 in Hematopoietic Stem Cell Interaction - Specific Supplement \$4,045

Nancy Joste

TriCore Reference Laboratories
Medical Directorship and Professional Services - Continuation \$2,569,091

Diane Lidke

National Institute of General Medical Sciences

Imaging the Early Events in Membrane Receptor Signaling \$420,193

Dennis McCance

University of Virginia
Biospecimen Procurement and Tissue Microarray Manufacture for the CHTN \$128,337

University of Virginia
Biospecimen Procurement and Tissue Microarray Manufacture for the CHTN - Continuation \$128,337

Jay Raval

Anonymous
Clinical Trial Agreement \$61,356

Market Therapeutics AG
Plasma Adsorption in Patients with COVID-19 Infection \$35,840

Samuel Reynolds

TriCore Reference Laboratories
Task Order # 3 Hamamatsu Photonics K.K._Hamamatsu Study \$54,800

TriCore Reference Laboratories
Task Order # 2 Ventana/Roche CINtec Plus Slide Reads \$6,790

Larry Sklar

University of Miami
Illuminating the Druggable Genome Resource Dissemination and Outreach Center - Continuation \$372,727

National Institutes of Health
A High-Throughput Chemical Screen to Identify Inhibitors of the Azole Transporter Cdr1p in Candida - Continuation \$178,678

Boston Children's Hospital
Compounds That Block a Novel Candida Albicans Target \$73,106

Gilead Sciences
Evaluation of Novel Probes - Supplement Continuation \$73,100

University of Pittsburgh
Purposing Pharmacological Agents for Inherited Mast Cell Disorders in the Gut \$66,660

University of Miami
Illuminating the Druggable Genome Resource Dissemination and Outreach Center Supplement \$56,840

Gilead Sciences
Evaluation of Novel Probes \$51,733

Angela Wandinger-Ness

National Institute of General Medical Sciences
Academic Science Education and Research Training \$1,062,838

National Cancer Institute
*The Role of Rac1 in Ovarian Cancer
Metastasis and Niche Interaction* \$34,494

Jain Zhou

TriCore Reference Laboratories
*Task Order #4 Hamamatsu Photonics
K.K._Hamamatsu Study* \$54,800

Pediatrics

Shirley Abraham

Oregon Health & Science University
Community Counts - Continuation \$26,407

American Thrombosis and Hemostasis
Network
ATHN Data Quality Counts \$1,000

Novo Nordisk, Inc.
*NN7415-4322: A Prospective Multi-National,
Non-Interventional Study in Haemophilia
A and B Patients With or Without
Inhibitors Treated According to Routine
Clinical Treatment Practice - Non-Specific
Supplement* \$961

Tanya Baker-McCue

New Mexico Division of Vocational
Rehabilitation
DVR School to Work Project \$400,000

Anthony Cahill

American Association on Health
& Disability
*Project Accessibility USA: Health Promotion
for Women With Disabilities* \$20,000

Glenda Canaca

New Mexico Human Services Department
Social Marketing - Continuation \$465,150

Loretta Cordova De Ortega

New Mexico Department of Health
CMS Outreach \$1,520,513

Comagine Health
*In-Home Assessments for Medically
Fragile Waiver W/BAA -
Continuation* \$102,125

Ben Archer Health Center, Inc.
*Professional Services -
Continuation* \$25,000

Northern Navajo Medical Center
IHS Service Contract - Genetics \$4,800

Rio Rancho Public Schools
PSA - Rio Rancho Public Schools \$3,000

Theresa Cruz

New Mexico Human Services Department
SNAP-Ed Evaluation \$259,281

New Mexico Department of Health
Youth Risk and Resiliency Survey \$190,000

Thornburg Foundation
Sustaining Home Visiting Referrals \$85,000

Presbyterian Healthcare Services
REACH \$72,000

Albuquerque Public Schools
APS 1807 \$69,000

Albuquerque Public Schools
APS 1807 \$45,471

New Mexico Coalition of Sexual Assault
Programs, Inc.
CAC Needs Assessment \$35,000

National Dance Institute - N.M.
ATP Evaluation \$15,500

Presbyterian Healthcare Services
Mobile Food Market FY20 \$10,000

New Mexico Public Education Department
*PED Evaluation - Specific
Supplement* \$10,000

Sally Davis

Centers for Disease Control and Prevention
PRC Research \$440,253

New Mexico Human Services Department
CHILE Plus \$335,251

Centers for Disease Control and Prevention
Healthy Places - Healthy People \$309,483

New Mexico Department of Health
*Implementing Evidence-Based
Recommendations in Community Projects -
Continuation* \$41,940

New Mexico Department of Health
*Implementing Evidence-Based
Recommendations in Community
Projects* \$34,940

Walter Dehority

Syneos Health
*Pfizer Peds CAZ-AVI Nosocomial
Pneumonia Study #c3591025* \$24,814

Medpace Inc
*MDA 2013-0039: A Phase 3 Multi-Center
Study to Evaluate the Efficacy and Safety
of Mino-lok Therapy in Combination With
Systemic Antibiotics in the Treatment of
Catheter-Related or Central Line-Associated
Bloodstream Infection - Specific
Supplement* \$12,800

Infectious Disease Society of America
G.E.R.M Mentorship Award \$4,000

Medpace Inc
*MDA 2013-0039: A Phase 3 Multi-Center
Study to Evaluate the Efficacy and Safety
of Mino-lok Therapy in Combination With
Systemic Antibiotics in the Treatment of*

*Catheter-Related or Central Line-
Associated Bloodstream Infection* \$1,500

Sara Del Campo de Gonzalez

Harvard Graduate School of Education
HERO II \$69,908

Harvard Graduate School of Education
*Health's Early Roots & Origins -
Continuation* \$28,952

Darrell Dinwiddie

National Institutes of Health
*The Effect of 17q21 Locus SNPs on Targeted
Host Immune Responses in Children
With Rhinovirus-Induced Exacerbations
of Asthma* \$240,794

Timothy Dionne

HRSA/Bureau of Health Professions
*HRSA Scholarship for Disadvantaged
Students* \$650,000

Sandra Heimerl

HRSA/Maternal and Child Health Bureau
NM LEND Program \$699,000

Association of University Centers on
Disabilities
*Focused Assistance to Support
Training* \$8,000

New Mexico Developmental Disabilities
Planning Council
*NM LEND Interdisciplinary Advocacy
Workshop* \$2,500

Andrew Hsi

New Mexico Department of Health
DDSD FIT (FOCUS) \$116,000

Alberta Kong

New Mexico Department of Health
*School-Based Health Center
Services* \$1,797,200

Oregon Research Behavioral Intervention
Strategies, d/b/a Influent Innovations
*A Mobile/Web-Based Training Curriculum
for Disseminating Best Practices for the
Care of Newborns With Neonatal Opioid
Withdrawal Syndrome* \$84,077

Klein Buendel

Web App Technology for Boys and
Parents: Improving HPV Vaccine Uptake -
Continuation \$30,000

Albuquerque-Bernalillo County
*Community School Partnership
Professional Services* \$27,900

Brindle Foundation
*UNM Envision/Optimizing Care for Neonatal
Opioid Withdrawal Syndrome in Rural
New Mexico* \$25,000

John Kuttesch			
Hyundai Motor America (Hope on Wheels)			
2019 Hyundai Hope on Wheels Impact Grant	\$100,000		
Children's Hospital of Philadelphia Health Effects After Anthracycline and Radiation Therapy - Dexazoxane and Prevention of Anthracycline-Related Cardiomyopathy (ALTE11C2 Study) (NIH R01) - Specific Supplement Amendment 1	\$90,900		
Children's Hospital of Philadelphia Protocol: ANBL1531 Phase 3 Clinical Study (Industry)	\$89,960		
Children's Hospital of Philadelphia Clinical Trial - Non-Industry - Continuation	\$75,000		
Children's Hospital of Philadelphia EVERYCHILD (APEC4B1) PCR - COG Foundation- Continuation	\$62,464		
Children's Hospital of Philadelphia Clinical Study Protocol AALL0434 - Novartis Pharmaceuticals Corp. (Industry) - Continuation	\$58,880		
Children's Hospital of Philadelphia Clinical Trial: EOY, Integrated BIQSFP AAML1031- Echocardiogram Reports and Images (Non-Industry)	\$40,000		
Children's Hospital of Philadelphia COG NCTN Network Group Operations - Work Load Intensity (NCTN Grant 2U10CA180886)	\$16,000		
Children's Hospital of Philadelphia COG NCTN Network Group Operations - Per Case Reimbursement (2U10CA180886)	\$16,000		
Children's Hospital of Philadelphia Protocol: ADVL1322/Novartis: Clinical Trial Agreement	\$11,500		
Children's Hospital of Philadelphia Logitudinal, Multimodal Assessment of Neuro (HR-ALL) ALTE07C1 (Nonindustry R01CA212190)	\$7,575		
Jean Lowe			
University of Utah DARBE	\$179,529		
University of California, San Francisco High-Dose Erythropoietin for Asphyxia and Encephalopathy Project	\$24,157		
University of California, San Francisco High-Dose Erythropoietin for Asphyxia and Encephalopathy CCC Project - Non-Specific Supplement	\$8,574		
University of California, San Francisco High-Dose Erythropoietin for Asphyxia and Encephalopathy CCC Project - Non-Specific Supplement	\$1,142		
Peggy MacLean			
Early Childhood Education and Care Department Level 2 NICU Hatch	\$1,596,976		
New Mexico Children, Youth & Families Department Level 2 NICU	\$498,488		
Michael Marble			
New Mexico Department of Health CMS Newborn Screening	\$349,416		
Jane McGrath			
New Mexico Department of Health Long-Acting Reversible Contraception Training and Stocking Project - Specific Supplement	\$950,000		
New Mexico Department of Health Long-Acting Reversible Contraception Training and Stocking Project - Specific Supplement	\$700,000		
New Mexico Department of Health Long-Acting Reversible Contraception Training and Stocking Project - Specific Supplement	\$300,000		
New Mexico Department of Health Long-Acting Reversible Contraception Training and Stocking Project - Specific Supplement	\$60,000		
Shiraz Mishra			
National Institutes of Health Enhancing Prevention Pathways Towards Tribal Colorectal Health - Continuation	\$1		
Marcia Moriarta			
New Mexico Department of Health DOH Autism Programs	\$3,431,040		
New Mexico Department of Health DOH Autism Program	\$3,431,040		
New Mexico Department of Health Medically Fragile Waiver	\$2,940,444		
New Mexico Human Services Department Improving Quality (75/25 & 50/50 Medicaid Match)	\$2,000,000		
New Mexico Department of Health Early Childhood Evaluation Program SGF/ Part B/part C	\$1,232,000		
New Mexico Department of Health DDS Partners for Employment	\$562,800		
New Mexico Department of Health DDS Partners for Employment	\$562,800		
New Mexico Department of Health Early Childhood Network	\$492,400		
New Mexico Department of Health Early Childhood Network	\$485,000		
Falling Colors Corporation Early Childhood Infrastructure Development	\$480,000		
New Mexico Department of Health DDS Statewide Training Database	\$185,480		
New Mexico Department of Health CMS Medical Home Portal Project	\$150,000		
Nurse-Family Partnership Nurse-Family Partnership Incentive	\$132,696		
Falling Colors Corporation Infant Mental Health Team Community of Practice	\$125,000		
New Mexico Department of Health DDS Statewide Training Database	\$122,696		
New Mexico Department of Health Project SET (Specialized Early Training)	\$106,191		
New Mexico Department of Health DDS Informed Choice	\$100,000		
New Mexico Department of Health DDS Informed Choice	\$100,000		
New Mexico Department of Health Medically Fragile Case Management	\$86,000		
New Mexico Department of Health Medically Fragile Program	\$86,000		
New Mexico Department of Health New Mexico SAFE Program	\$83,437		
New Mexico Department of Health New Mexico Safe Program	\$83,437		
Falling Colors Corporation Parent-Infant Psychotherapy	\$75,000		
New Mexico Department of Health Children's Medical Services Evaluation Project	\$65,000		
New Mexico Children, Youth & Families Department ACA - Parents As Teachers Valencia County	\$60,000		
New Mexico Department of Health DDS PFE Transition Project	\$50,000		
Falling Colors Corporation IMH Foster Parent	\$50,000		
New Mexico Department of Health DDS Partners for Employment Transition Project	\$50,000		

Early Childhood Education and Care Department
CDD Preschool Development Grant - Specific Supplement \$30,000

Brindle Foundation
Brindle - Clinical Consultation for Rural Providers \$25,000

Administration for Community Living
University Center for Excellence in Developmental Disabilities \$23,000

New Mexico Department of Health
DDSD Statewide Training Database \$2,849

Martha Muller
Merck, Sharp & Dohme, Inc.
Merck MK1439-066 & MK8591A-028 \$500

Dawn Novak
New Mexico Department of Health
Developmental Care Continuity Program - Fee for Service - Continuation \$179,400

New Mexico Department of Health
Developmental Care Continuity Program - Fee for Service \$147,400

New Mexico Department of Health
Developmental Care Continuity Program - Cost \$32,000

Julia Oppenheimer
Association of University Centers on Disabilities
Children's Mental Health Champions \$6,000

Patricia Osbourn
New Mexico Public Education Department
PED Prek Consultation \$947,685

New Mexico Public Education Department
PED Prek Consultation \$440,990

New Mexico Public Education Department
PED Contract - SET & DB \$429,950

Region IX Education Cooperative
Region IX Education Cooperative \$215,153

U.S. Department of Education
Project for New Mexico Children Who Are Deaf-blind \$107,912

Socorro Consolidated Schools
Socorro School Consultations \$14,850

Silver Consolidated Schools
Silver Consolidated Schools Consultations FBA \$14,586

Belen Consolidated Schools
Belen Consultations - Specific Supplement \$13,420

Cuba Independent Schools
Cuba Consultations \$10,175

Silver Consolidated Schools
RBT Supervision - Continuation FY20 \$9,545

Estancia Municipal Schools
Estancia Consultations \$5,775

Moriarty-Edgewood School District
Moriarty-Edgewood School District \$5,765

Hengameh Raissy
Savara Pharmaceutical
Phase 3 Randomized, Double-Blind, Placebo-Controlled Study of Aerovac for the Treatment of Persistent Methicillin-Resistant Staphylococcus Aureus Lung Infection in Cystic Fibrosis Patients - Continuation \$74,999

Duke University
Pharmacokinetics and Safety of Anesthetics and Analgesics in Children - Continuation \$48,480

Vertex Pharmaceuticals Incorporated
A Phase 1/2 Study of VX-445 in Healthy Subjects and Subjects With Cystic Fibrosis - Continuation \$32,000

Vertex Pharmaceuticals Incorporated
A Phase 1/2 Study of VX-445 in Healthy Subjects and Subjects With Cystic Fibrosis - Non-Specific Supplement \$11,947

Savara Pharmaceutical
Phase 3 Randomized, Double-Blind, Placebo-Controlled Study of Aerovac for the Treatment of Persistent Methicillin-Resistant Staphylococcus Aureus Lung Infection in Cystic Fibrosis Patients - Non-Specific Supplement \$6,695

Vertex Pharmaceuticals Incorporated
Phase 3 Clinical Trial - Non-Specific Supplement \$126

Mary Ramos
County of Bernalillo
Professional Service Agreement - Continuation \$200,000

Pacific Institute for Research & Evaluation
Implementing School Nursing Strategies to Reduce LGBTI Adolescent Suicide - Continuation \$51,809

Pacific Institute for Research & Evaluation
Implementing School Nursing Strategies to Reduce LGBTI Adolescent Suicide - Continuation \$43,681

Health Resources and Services Administration
Continuation \$40,826

Albuquerque Public Schools
Marketing Material for School-Based Health Centers \$15,000

A. Robb McLean
Albuquerque-Bernalillo County
Community School Partnership
Professional Services - Continuation \$40,000

Leslie Strickler
New Mexico Crime Victims Reparation Commission
CVRC - SAS State Grant \$352,600

New Mexico Crime Victims Reparation Commission
ACCESS - VOCA Federal Grant \$72,064

U.S. Department of Justice
Expert Witness Contract - Lewis \$6,898

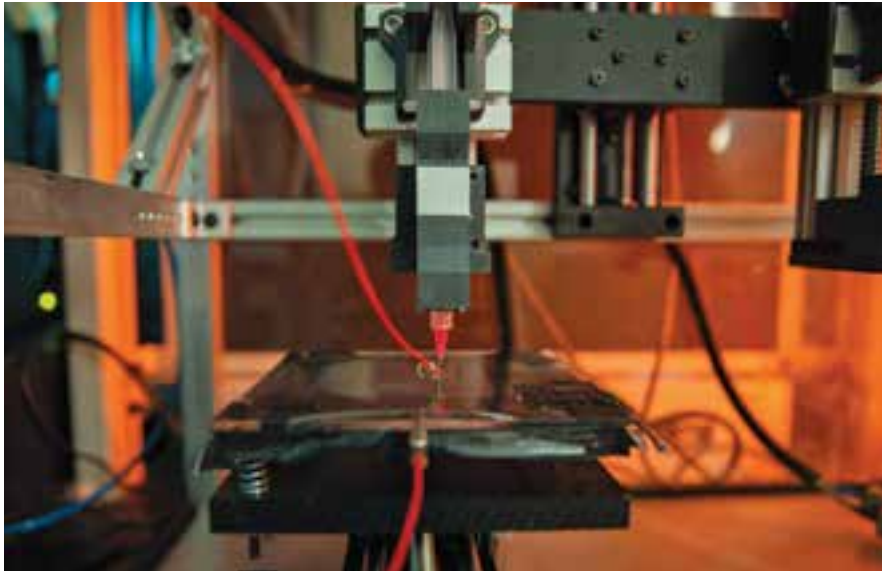
New Mexico Coalition of Sexual Assault Programs, Inc.
NMCSAP - Educational Delivery \$650

Monique Vallabhan
Health Resources and Services Administration
Telehealth Network Grant \$355,554

Jennifer Vickers
New Mexico Department of Health
CORE \$1,501,100

New Mexico Department of Health
CORE \$1,501,100





New Mexico Department of Health
Continuum of Care Main \$878,800

New Mexico Department of Health
Continuum of Care \$858,800

New Mexico Department of Health
Mortality Review Project \$114,800

New Mexico Department of Health
Mortality Review - Supplement \$62,136

New Mexico Department of Health
Mortality Review \$52,750

Kristi Watterberg

Eunice Kennedy Shriver National Institute
of Child Health and Human Development
NICHD Cooperative Multicenter Neonatal
Network \$269,762

Carla Sue Wilhite

New Mexico State University
New Mexico Agrability - Assistive
Technology Program for Farmers With
Disabilities \$12,141

New Mexico State University
New Mexico Agrability - Assistive Technology
Program for Farmers With Disabilities -
Specific Supplement \$9,311

New Mexico State University
New Mexico Agrability - Assistive
Technology Program for Farmers With
Disabilities \$5,000

Craig Wong

Children's Mercy Hospital
CKiD IV \$16,911

Nationwide Children's Hospital
Cure Glomerulonephropathy -
Continuation \$15,500

Children's Mercy Hospital
CKiD Steering Committee - Non-Specific
Supplement \$2,659

Children's Mercy Hospital
CKiD IV - Non-Specific Supplement \$1,410

Children's Mercy Hospital
CKiD Steering Committee - Non-Specific
Supplement \$910

Elizabeth Yakes Jimenez

W.K. Kellogg Foundation
The THRIVE Project \$175,000

New Mexico Public Education Department
Improving Health and Academic
Success Grant \$21,300

New Mexico Children, Youth & Families
Department
Plans of Care Webinars \$10,206

Gretchen Swanson Center for Nutrition
Develop and Test a Brief Supplemental Food
Security Module That Aims to Add Utility
When Used Alongside the USDA Household
Food Security Survey Module \$5,361

Psychiatry & Behavioral Sciences

Christopher Abbott

National Institutes of Health
ECT Current Amplitude and Medial Temporal
Lobe Engagement - Continuation \$501,545

Georgia State University
Data-Driven Approaches to Identify
Biomarkers From Multimodal Imaging
Big Data \$21,807

Deborah Altschul

San Felipe Pueblo
San Felipe KEYWAH III \$735,500

New Mexico Behavioral Health
Collaborative
Emergency Response to COVID-19 \$150,000

Falling Colors Corporation
Multi-Systemic Therapy Data Reporting
Initiative - FY20 \$31,400

New Mexico State University
Adolescent Substance Use Reduction
Effort - Treatment Implementation \$15,000

Caroline Bonham

Indian Health Service
IHS Tele-Behavioral Health, Training
& Consultation \$300,000

Indian Health Service
IHS Tele-Behavioral Health, Training
& Consultation - Non-Specific
Supplement \$298,637

Indian Health Service
IHS Tele-Behavioral Health, Training
& Consultation \$200,000

Albuquerque Area Indian Health Service
IHS-AAO Substance Abuse & Mental
Health Clinical & Community Education,
Training & Outreach Services \$99,000

New Mexico Human Services Department
HNL Supplement (CBHTR II) \$95,300

Indian Health Service
IHS Tele-Behavioral Health, Training
& Consultation - Project ECHO
Supplement \$27,158

Juan Bustillo

Janssen Scientific Affairs, LLC
Clinical Trial Agreement - Phase 3 -
Non-Specific Supplement \$57,464

Otsuka Pharmaceutical Development
& Commercialization, Inc.
Otsuka-Bustillo \$984

Jennifer Crawford

Falling Colors Corporation
Adolescent Substance Use Reduction
Effort - Treatment Implementation
(with CYFD) 2020 \$74,088

Annette Crisanti

National Institute of Mental Health
Feasibility of an Early Detection Program
for Early Psychosis on a College Campus
(Reducing DUP) \$225,418

National Institute of Mental Health
Feasibility of an Early Detection Program
for Early Psychosis on a College Campus
(Reducing DUP) - Year 2 \$225,196

City of Albuquerque
APD Crisis Intervention Team ECHO Program
Coordinator \$75,000

Falling Colors Corporation
Opening Doors for Homeless \$46,088

Lucas Dunklee

Massachusetts General Hospital
Augmentation Versus Switch: Comparative
Effectiveness Research Trial for
Antidepressant Incomplete and Non-
Responders With Treatment-Resistant
Depression - Continuation \$271,035

Dawn Halperin

Otsuka Pharmaceutical Development
& Commercialization, Inc.
Otsuka-Halperin \$681

Brian Isakson

New Mexico Children, Youth & Families
Department
System of Care Expansion and
Sustainability \$1,600,000

First Choice Community Healthcare
First Choice Community Healthcare \$25,000

First Choice Community Healthcare
First Choice Community Healthcare -
Continuation \$25,000

Avron Kriechman

New Mexico Department of Health
Mescalero Suicide Prevention \$55,000

Hidalgo Medical Services
Hidalgo Medical Services \$25,000

Rhoshel Lenroot

Otsuka Pharmaceutical Development
& Commercialization, Inc.
Otsuka-Lenroot \$636

Christopher Morris

Falling Colors Corporation
Systems of Care III - CYFD - UNM
Medical Group \$375,000

Judith Pentz

The Weil Foundation
Integrative Psychiatry for Residents
and Child Fellows \$15,000

Davin Quinn

ICON Clinical Research
RECOVER Study \$154,048

Paul Romo

Friends Research Institute, Inc.
Facilitating the Implementation of Interim
Methadone to Increase Treatment Access:
A Multi-Site Implementation Trial \$5,000

Julie Salvador

Agency for Healthcare Research and
Quality
ECHO-F Model to Expand Medication-
Assisted Treatment in Rural Primary
Care \$387,524

Mauricio Tohen

County of Bernalillo
Psychiatric Services - Continuation \$89,000

Otsuka Pharmaceutical Development
& Commercialization, Inc.
Otsuka-Tohen \$1,125

Ann Waldorf

Center for Substance Abuse Treatment
Provider's Clinical Support System (PCSS-
Universities)- Continuation FY20 \$150,000

Center for Substance Abuse Treatment
Provider's Clinical Support System
(PCSS-Universities) -
Continuation FY21 \$150,000

Radiology

Brad Cushnyr

U.S. Attorney's Office
Expert Witness \$19,294

Gary Mlady

New Mexico Department of Health
BCC Early Detection Program \$126,941

Santo Domingo Health Center
Physicist Services \$50,000

Indian Health Service
Albuquerque Indian Health Service \$35,000

X-Ray Associates of New Mexico
Medical Physicist Services -
Continuation \$25,000

Indian Health Service
Albuquerque Indian Health Service -
Continuation \$7,000

Student Services

Sheila Hickey

Health Resources and Services
Administration
School of Medicine M.D. Scholarship
for Disadvantaged Students \$650,000

Surgery

Steven Bock

Ethicon
Ethicon Travel Award \$1,235

Arup Das

National Eye Institute
Novel Biomarkers & Genetics of Diabetic
Retinopathy \$535,606

New Mexico Commission for the Blind
Emergency Eye Care Program -
Continuation \$125,000

Dusanka Deretic

National Eye Institute
Rhodopsin Trafficking & Photoreceptor
Membrane Renewal \$378,750

John Marek

W.L. Gore & Associates
Vascular Surgery Support Program -
Continuation \$4,000

John Russell

Eye Associates of New Mexico
Professional Services \$172,500

Presbyterian Medical Services
On-Call Surgical Services -
Continuation \$25,000



Anil Shetty
 New Mexico Department of Health
 Cleft Palate Clinic Services \$8,400

Joaquin Tosi
 Genentech, Inc.
 GR40550: Phase 3 Study of the Port Delivery System With Ranibizumab in Patients With Diabetic Macular Edema \$3,447,720

UNM HOSPITAL

Eve Espey
 New Mexico Department of Health
 Provide Prenatal and Postpartum Clinical, Health Education - Continuation \$149,968

New Mexico Department of Health
 Provide Prenatal and Postpartum Clinical, Health Education - Continuation \$320

Wendy Hine
 New Mexico Department of Health
 Breast and Cervical Cancer Early Detection Program - Continuation \$85,000

Jill Klar
 Bernalillo County
 Adverse Childhood Experiences - Continuation \$614,804

Bernalillo County
 CONNECT (OCCS) - Continuation \$347,287

New Mexico Department of Health
 Breast and Cervical Cancer Early Detection Program - Continuation \$85,000

Alberta Kong
 Albuquerque-Bernalillo County
 Community School Partnership Professional Services \$223,522

Sarah Martinez
 New Mexico Department of Health
 Provide Prenatal and Postpartum Clinical Health Education - Continuation \$180,000

Rodney McNease
 Bernalillo County
 CONNECT (OCCS) \$1,389,148

Bernalillo County
 CONNECT (OCCS) - Continuation \$1,148,584

City of Albuquerque
 Assertive Community Treatment Program - Continuation \$713,330

Robert Perry
 New Mexico Department of Health
 Emergency Preparedness \$54,267

Suzanne Popejoy
 City of Albuquerque
 Scope of Services-Gang Prevention - Continuation \$239,378

City of Albuquerque
 Early Intervention for Children Services - Continuation \$215,632

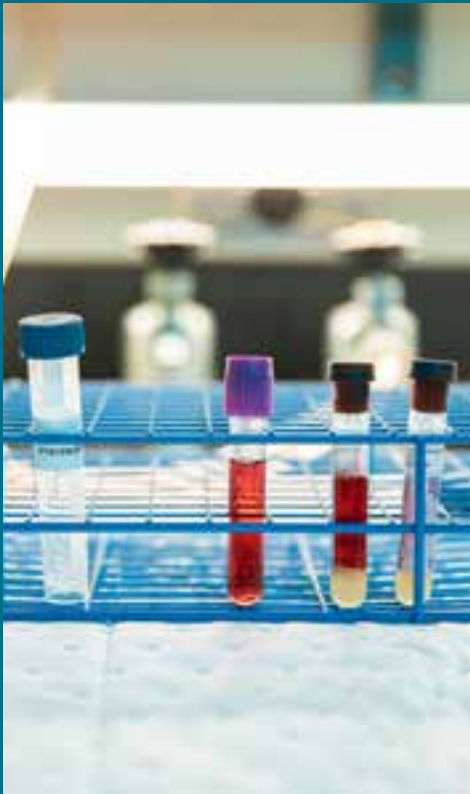
A. Robb McLean
 New Mexico Department of Health
 Provide Services for Hospital Preparedness - Continuation \$23,448

Mauricio Tohen
 County of Bernalillo
 Provide Housing to Homeless in Criminal Justice System - Continuation \$498,726

UNM MEDICAL GROUP, INC.

David Rakel
 Bernalillo County Juvenile Detention Center
 Professional Services - Continuation \$140,973





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Join Us on Our Journey of Discovery

Our research programs are focused on critical health problems affecting New Mexicans and bridging the gap to more rapidly deliver discoveries to the clinical setting. Often, the benefits of our innovations and discoveries are recognized and shared beyond our state borders to institutions in other states and in countries around the world.

Your contributions will help us meet new challenges and seek solutions to help people lead longer and healthier lives. Donations are accepted through the UNM Foundation, the university-based nonprofit that can accommodate almost any giving interest. Options include support of health research in general, work in a particular disease category, one of our signature programs for scholarships or facilities, or a legacy gift customized to fit the wishes of you as an individual, your family or your company.

For more information on how you can contribute to the UNM Health Sciences Center's discoveries and innovations of the future, contact Bill Uher, Vice President of Development, UNM Foundation, at bill.uher@unmfund.org or 505-277-4078.

About the Foundation

The University's Board of Regents established the UNM Foundation in 1979 as a nonprofit corporation. Ten years later, the Regents delegated the responsibility of overseeing University of New Mexico assets and investments to the UNM Foundation Investment Committee. These assets total more than \$400 million today.

In 2008, the Foundation became a stand-alone organization with expanded fiduciary duties to include fiscal, human resources and treasury functions. All private gifts to the Health Sciences Center are received through the UNM Foundation, which manages contributions to all university programs. The Foundation's funding model ensures that 100 percent of gifts are directed to the donor's designated purpose.



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UNM HEALTH SCIENCES CENTER

Discovery

Research Annual
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UNIVERSITY OF NEW MEXICO HEALTH SCIENCES CENTER

TURNING RESEARCH INTO CURES

