RESEARCH ANNUAL REPORT 2024

DISCOVERY

THE BRAIN ISSUE

DESPERATE MEASURES

Amid Growing Concerns, UNM Scientists Find a New Way to Quantify Microplastics in the Body

TURNING RESEARCH INTO CURES

UNM HEALTH SCIENCES

VISION

Transform health care and health science education and research to improve health and health equity for New Mexico and beyond.

MISSION

We exist to lead New Mexico toward health equity through our unique integration of care delivery, education, discovery and innovation and through advocacy and collaborations. We celebrate the diverse cultures and history of our state while creating an inclusive and compassionate community that makes UNM Health Sciences an extraordinary place to study, work and serve.

CORE VALUES

HEALING: Both within individuals and among our communities in order to cultivate hope, care and joy.

EQUITY: For all New Mexicans in health, education and economic opportunity.

EXCELLENCE: In health care, education and research and in building a place where people seek to study, work and serve.

INNOVATION: In all aspects of our mission, enabling us to rise to the health, workforce and economic challenges of our time.

COMPASSION: In how we treat our patients, students, each other and ourselves.

SERVICE: Accountable to our diverse communities across New Mexico.

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From the

INTERIM EXECUTIVE VICE PRESIDENT FOR HEALTH SCIENCES & CHIEF EXECUTIVE OFFICER FOR THE UNM HEALTH SYSTEM

The University of New Mexico Health Sciences research enterprise is, in some ways, our best-kept secret. While our hospitals and clinics and health professions education programs may be more visible to the general public, our scientists conduct exciting research that benefits New Mexicans in myriad ways.

This year's Research Annual Report offers some examples of that important work.

You'll learn how Health Sciences researchers Matthew Campen, PhD, and Elaine Bearer, MD, PhD, and their colleagues, have devised new ways to identify and quantify the presence of microplastics in human tissue. Given that microplastics are ubiquitous in the environment – and worldwide plastic production continues unabated – this is a critical contribution to an emerging avenue of research.

Our scientists are also playing a prominent role in the search for new, more effective therapies for a variety of behavioral health concerns, including the use of psychedelic compounds to treat depression and PTSD. This work, led by Lawrence Leeman, MD, and Snehal Bhatt, MD, builds on UNM's decades-long research in this area.

Health Sciences research is not just confined to the laboratory. The Tertulias project, led by Janet Page-Reeves, PhD, is a highly effective community-based intervention for immigrant women that has proven its worth by transforming lives and improving participants' mental and physical health.

The UNM Center for Memory & Aging, led by Gary Rosenberg, MD, is now home to the National Institutes of Health-funded Alzheimer's Disease Research Center, offering New Mexicans the prospect of increased access to important new studies and clinical trials aimed at diagnosing and treating dementia.

Meanwhile, under the leadership of C. Fernando Valenzuela, MD, the New Mexico Alcohol Research Center has secured continued funding for studies that include the search for biomarkers associated with fetal alcohol spectrum disorder, a condition that affects many throughout our state.

Many of these accomplishments have been supported by new research infrastructure, as well as established programs, including the UNM Clinical & Translational Science Center and the UNM Comprehensive Cancer Center.

These achievements – and many others – have come about in part due to our ability to attract substantial extramural funding. In addition to supporting our research, this funding helps to stimulate our state's economy by creating and sustaining new jobs and spurring the creation of spin-off businesses.

I'm grateful to all of our research faculty for their many impactful accomplishments. Their creativity, compassion and commitment make them an invaluable resource for all New Mexicans.

Michael E. Richards, MD, MPA
Interim Executive Vice President for UNM Health Sciences
CEO, UNM Health System

From the

VICE PRESIDENT FOR RESEARCH

I am very pleased to report that The University of New Mexico Health Sciences has once again surpassed itself, achieving nearly $259 million in extramural grant funding for FY 2024.

This vital funding fuels basic scientific discoveries that lead to translational breakthroughs, supports clinical trials that advance treatment options and bring the latest therapies to New Mexico patients, and addresses critical community health needs, such as access to high quality care, health disparities, child well-being and the impacts of substance use disorders.

Our research portfolio also contributes greatly to New Mexico's economy, generating jobs and fostering growth in the biotech sector. I could not be any prouder for all the contributions we have made to advancing science.

This report highlights selected ground-breaking work underway at our institution. UNM has been at the forefront of research on the presence of microplastics within our bodies and their potential role in cellular mechanisms of disease.

We are collaborating with communities throughout our state to develop scalable interventions, such as a mixed-methods study aimed at alleviating social isolation, depression and stress among women immigrants from Mexico.

In addition, FY 2024 has marked substantial growth in our research infrastructure through the funding of prestigious centers. UNM Health Sciences is now home to a National Institute of Aging-designated Alzheimer's Disease Research Center, and the long-standing New Mexico Alcohol Research Center secured competitive funding to continue its essential work on fetal alcohol spectrum disorders.

UNM's extraordinary centers and core facilities foster mentorship and support the development of a robust research workforce, ensuring future discoveries and pathways for skilled researchers dedicated to advancing biomedical knowledge.

This year we also continued to enhance our research mission through strategic areas of emphasis, including the creation of a new Center for Advancing Dissemination and Implementation Science to promote research on the adoption of evidence-based practices into diverse clinical settings. We also enhanced support for data science and AI and machine learning and built new administrative infrastructure for grant writing and proposal development.

I'd like to express my deepest gratitude to all of our dedicated faculty researchers, staff and learners whose hard work and passion make our achievements possible. As I often say, research brings hope. I am excited to see how in the upcoming year our collective efforts will continue to provide new opportunities and make meaningful contributions to improving health and saving lives.

Hengameh Raissy, PharmD

Vice President for Research, Health Sciences

Background photo: Microplastic particles under the mircoscope

DESPERATE MEASURES

Amid Growing Concerns, UNM Scientists Find a New Way to Quantify Microplastics in the Body

By Michael Haederle & Nicole San Roman

Scientists are finding microplastics everywhere they look in the human body these days. Tiny polymer particles have been found lodged in the digestive tract, testicles, placentas – even the brain.

Measuring how much plastic is in human tissue poses vexing challenges, however. Investigators have had to painstakingly count the micro- and nano-scale bits of plastic visible under a microscope to arrive at an estimate.

Until now, that is.

Toxicologist Matthew Campen and his University of New Mexico Health Sciences colleagues have devised a clever method for precisely quantifying assorted microplastics in the body, and their work has drawn worldwide attention to an underappreciated problem.

The team uses pyrolysis-gas chromatography-mass spectrometry (Py-GC/MS) to identify as many as 12 different types of plastic, while at the same time measuring the quantity of particles in a given tissue sample.

They outlined the technique in a February 2024 paper published in the journal Toxicological Sciences, in which they reported finding microplastics in all 62 of the human placenta samples they tested, with concentrations ranging from 6.5 to 790 micrograms per gram of tissue (a microgram is a millionth of a gram).

In another paper published in the same journal, Xiaozhong "John" Yu, MD, PhD, MPH, a professor in the UNM College of Nursing, reported finding microplastics in 47 canine and 23 human testicular tissue samples using the same analytical technique.

In dogs, the average concentration of microplastics was 122.63 micrograms per gram of tissue. In human tissue the average concentration was 329.44 micrograms per gram – nearly three times higher, and significantly higher than the average concentration Campen found in placental tissue.

Although those numbers may seem small, Campen worries about the unforeseen health consequences from a steadily rising volume of microplastics in the environment.

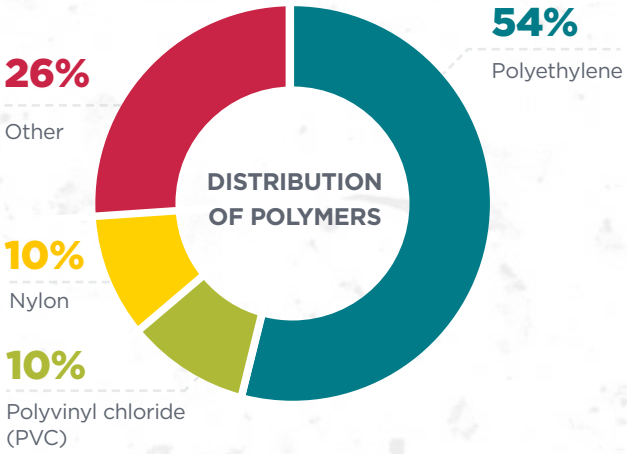
For toxicologists, "Dose makes the poison," says Campen, Distinguished and Regents' Professor in the UNM College of Pharmacy. "If the dose keeps going up, we start to worry. If we're seeing effects on placentas, then all mammalian life on this planet could be impacted. That's not good."

When analyzing tissue samples from various organs Campen and his colleagues start by chemically treating them to "digest" the fat and proteins into a kind of soap – a process called saponification.

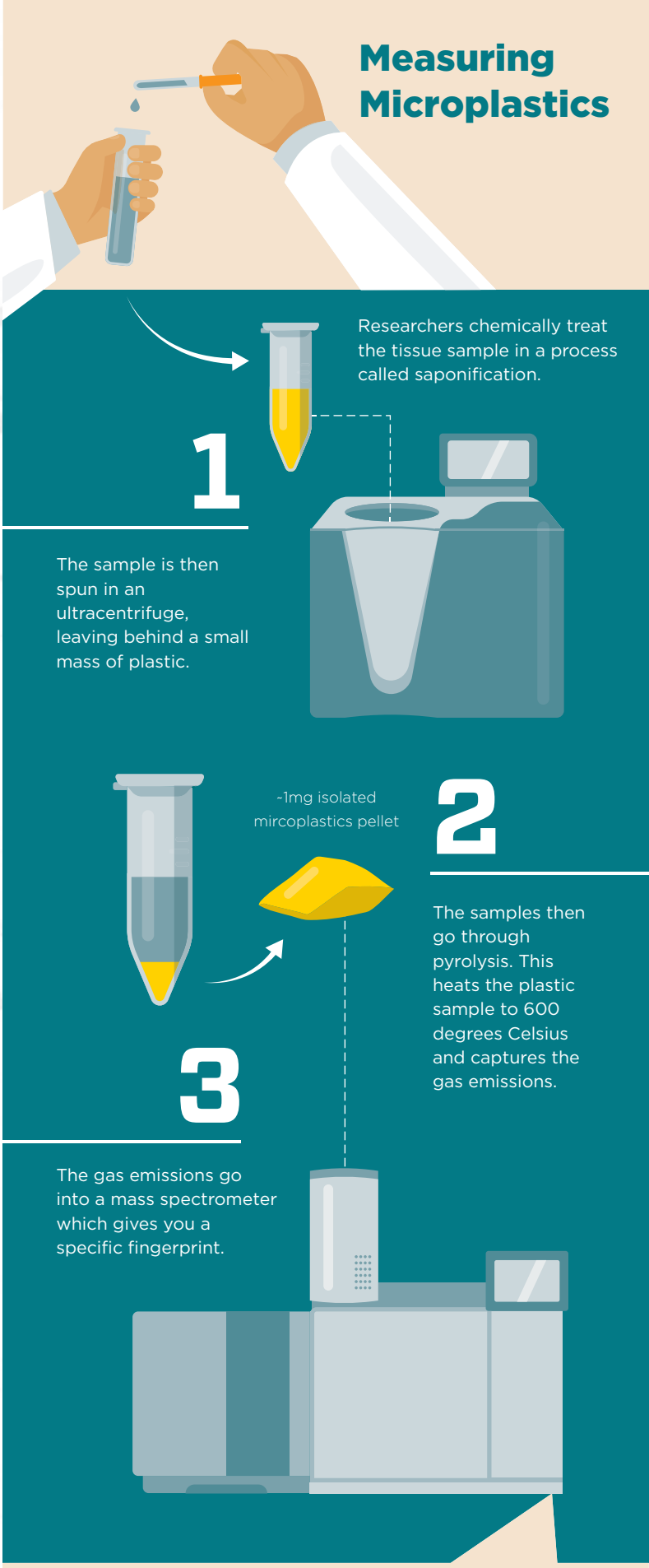
The samples are then spun in an ultracentrifuge, leaving behind a small nugget of plastic that is then subjected to pyrolysis, which entails heating the sample to 600 degrees Celsius and capturing the gas emissions.

"The gas emission goes into a mass spectrometer and gives you a specific fingerprint," Campen said. "It's really cool."

In the placenta study, the researchers found the most prevalent polymer was polyethylene, widely used to make plastic bags and bottles. It accounted for 54% of the total plastics. Polyvinyl chloride (better known as PVC) and nylon each represented about 10% of the total, with the remainder consisting of nine other polymers.



Marcus Garcia, PharmD, a postdoctoral fellow who performed many of the experiments, said that until now, it has been difficult to quantify how much microplastic was present in human tissue. With the new approach, he said, "We can take it to that next step to be able to adequately quantify it and say, 'This is how many micrograms or milligrams,' depending on the plastics that we have."



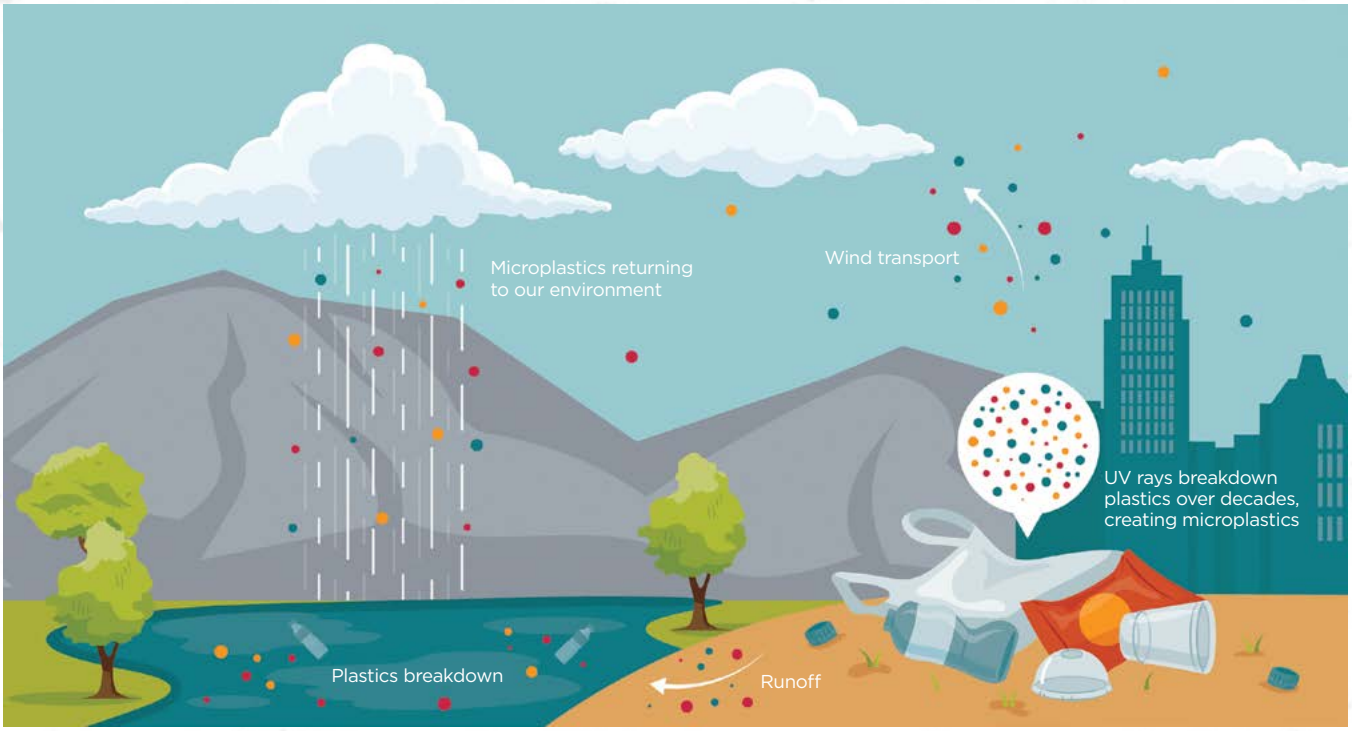
Plastic use worldwide has grown exponentially since the early 1950s, amounting to a metric ton of plastic waste for every person on the planet. About a third of the plastic that has been produced is still in use, but most of the rest has been discarded or sent to landfills, where it breaks down into ever-smaller fragments from exposure to ultraviolet radiation present in sunlight, eventually forming microplastics.

"That ends up in groundwater, and sometimes it aerosolizes and ends up in our environment," Garcia said. "We're not only getting it from ingestion, but also through inhalation as well. It not only affects us as humans, but all of our animals – chickens, livestock – and all of our plants. We're seeing it in everything."

The growing concentration of microplastics in human tissue might explain puzzling increases in some types of health problems, such as inflammatory bowel disease and colon cancer in people under 50, as well as the declining sperm counts seen around the globe, Campen said.

Yu, who studies the impact of various environmental factors on the human reproductive system, said it was Campen who drew his attention to the ubiquity of microplastics in the environment.

"He said, 'Have you considered why there is this decline (in reproductive potential) more recently? There must be something new,'" Yu said. That led Yu to design a study



Campen points out that many plastics have a long half-life – the amount of time needed for half of a sample to degrade. "The half-life of some things is 300 years and the half-life of others is 50 years, but between now and 300 years some of that plastic gets degraded," he said. "Those microplastics that we're seeing in the environment are probably 40 or 50 years old."

While microplastics are already present in our bodies, it is unclear what, if any, health effects they might be having. Plastics have traditionally been assumed to be biologically inert, but some particles are so small they are measured in nanometers – a billionth of a meter – and are capable of crossing cell membranes, he said.

using the same experimental method Campen's lab had used in the placenta research.

His team obtained anonymized human testicular tissue from the Office of the Medical Investigator, which collects tissue samples during autopsies and stores them for seven years before disposing them. Canine testicular tissue came from City of Albuquerque animal shelters and private veterinary clinics that perform spay-neutering operations.

"At the beginning, I doubted whether microplastics could penetrate the reproductive system," Yu said. "When I first received the results for dogs I was surprised. I was even more surprised when I received the results for humans."

The findings point the way for additional research to understand how microplastics might affect sperm production in the testes, he said. "We have a lot of unknowns. We need to really look at what the potential long-term effect. Are microplastics one of the factors contributing to this decline?"

While Campen and Yu map out new studies to establish whether microplastics affect human health, their collaborator, Eliseo Castillo, PhD, associate professor in the Department of Molecular Genetics & Microbiology, has already demonstrated that the micro particles can pass through a protective layer of epithelial cells in the gut into the bloodstream and infiltrate organs throughout the body.

Over a four-week period, Castillo's team exposed mice to water that contained microplastics, so that they swallowed an amount equivalent to the quantity of microplastics humans are believed to ingest each week.

"We could detect microplastics in certain tissues after the exposure," Castillo says. "That tells us it can cross the intestinal barrier and infiltrate into other tissues." The study showed the microplastics changed metabolic pathways in the various tissues. Evidence of microplastics was found outside the gut in the liver, kidney and even the brain.

Castillo has previously found that microplastics are also affecting macrophages – immune system cells that work to protect the body from foreign particles.

In a paper published in the journal Cell Biology & Toxicology in 2021, Castillo and other UNM researchers reported that when macrophages encountered and ingested microplastics, their function was altered and they released inflammatory molecules.

"It is changing the metabolism of the cells, which can alter inflammatory responses," he says. "During intestinal inflammation, states of chronic illness such as ulcerative colitis and Crohn's disease – both forms of IBD – these macrophages become more inflammatory and they're more abundant in the gut."

For Campen, meanwhile, the continued production of plastics worldwide is reason for deep concern.

"It's only getting worse, and the trajectory is it it'll double every 10 to 15 years," he said, "so even if we were to stop it today, in 2050 there will be three times as much plastic in the background as there as now. And we're not going to stop it today."

Matthew Campen, PhD, analyzes microplastics in his lab on the UNM Health Sciences campus

PUZZLING POLYMERS

How a Pathologist's Hunch Led to a New Way to Identify Microplastics in the Brain

By Michael Haederle

In December 2023, University of New Mexico neuropathologist Elaine Bearer, MD, PhD, was methodically studying brain tissue samples from two deceased dementia patients when she noticed something peculiar.

"I'm seeing these things in the microscope that I can't figure out what they are," recalled Bearer, Distinguished Professor in the UNM Department of Pathology and director of the neuropathology core for the UNM Alzheimer's Disease Research Center (ADRC). "They're strange brown lumpy things."

It was the prologue to a scientific detective story.

Pathologists typically use a variety of stains to highlight and classify microscopic structures in tissue, but these tiny blobs resisted identification, Bearer said. Then a colleague – Natalie Adolphi, PhD – suggested that she send the samples to Matthew Campen, PhD, a Distinguished Professor in the College of Pharmacy, who has found a way to extract and quantify the microplastics in human tissue.

Microplastics are formed when plastic is degraded and broken down over the course of decades, often through exposure to ultraviolet (UV) rays in sunlight. Scientists report that microplastics are now so ubiquitous in the environment that they have found their way into the food chain – and into the human body. Campen's lab has documented substantial amounts of microplastics in human brains stored in tissue repositories. But when postdoctoral fellow Marcus Garcia, PharmD, RPh, tested the tissue from the brains of the demented patients Bearer had been studying, he isolated about 20 grams of plastic – many times the amount in "normal" brains.

Now Bearer knew that the two dementia patients – one of whom had Alzheimer's and the other who suffered from a condition known as Binswanger's disease – had excessive amounts of plastic in their brains. ADRC director Gary Rosenberg, MD, had followed the male Binswanger's patient for seven years prior to his death.

"The first thing I did was I took some of the purified plastics from the Binswanger's case and I did electron microscopy on it," Bearer said. "They don't look like the same plastics that Matt is getting. They're different, they're a different shape. They actually have a different chemical composition."

She still couldn't identify the brown spots she had seen under the microscope but she had a hunch.

"It's very interesting that there's a lot more plastics in these demented brains than we found in normal brains,"

Elaine Bearer, MD, PhD, in her office at Reginald Heber Fitz Hall on the UNM North Campus

Bearer said. "I wanted to know if those brown deposits were the plastics, but there wasn't any way to stain it specifically for plastics."

During a brief sabbatical at the California Institute of Technology, Bearer used a confocal laser scanning microscope to study purified samples of the plastics Campen's team had isolated. She exposed the plastic particles to 10 lasers that emitted a broad spectrum of wavelengths of light and finally found a UV frequency that caused them to fluoresce, so that they emitted light at a slightly longer wavelength.

Back in New Mexico, she re-examined the brain tissue samples while illuminating them with the same wavelength and found that the brown spots in the tissue fluoresced, confirming that they were bits of microplastic.

Now that she has found a way to image microplastics in the brain, Bearer has been sharing her discovery with peers, presenting her findings at a Society for Neuroscience meeting. He has also submitted a paper for publication in the journal of the International Society for Magnetic Resonance in Medicine.

"I've now talked with four other neuropathologists across the country," she said. "I showed them my pictures and they said, 'Oh my God, I've seen these, too. I saw them in my specimens and I couldn't stain them. I didn't know what they were.' Then I showed them that they're plastics, and they go, 'Of course.'"

Bearer's findings, coupled with those from the Campen lab, raise intriguing questions. Could an excessive accumulation of plastics in the brain trigger dementia symptoms? Or, are people with dementia pathology less able to clear plastics from the brain, leading to a build-up?

She says it's too soon to tell. "I don't have enough samples to do any kind of statistics, and I can't say – because I'm only looking at dead people – I can't see the plastic as causative."

Going forward, Bearer hopes to examine additional brain tissue from patients enrolled in ADRC studies to learn more about where the microplastics are most prone to accumulate. She also holds out hope for being able to diagnose dementia pathology in living patients using magnetic resonance imaging.

SISTERHOOD IS POWERFUL

Tertulias Peer Support Groups Help Immigrant Women Find Their Voices and Overcome Isolation

By Michael Haederle

In April 2020 University of New Mexico researcher Janet Page-Reeves started recruiting women immigrants from Mexico to participate in Tertulias, an R01 grant-funded study to evaluate whether a peer support group could reduce their social isolation, depression and stress.

The women met once a week for two hours via Zoom for wide-ranging conversations conducted in Spanish and moderated by a facilitator. By the time data collection concluded in June 2024, 252 women had taken part in the randomized controlled trial – and the results were dramatic.

"As a result of the intervention their lives have been transformed," said Page-Reeves, professor and vice chair for research for the Department of Family & Community Medicine and director of research for the UNM Office for Community Health (OCH), who served as principal investigator on the grant. "They left domestic violence relationships. Many of them have gone on and gotten certified as community health workers."

Tertulias – informal social gatherings or chats – afforded the women a safe space in which to share their experiences and build trusted friendships while drawing on their "funds of knowledge," Page-Reeves said. It's the idea "that women bring with them wisdom, lived experience – knowledge that isn't normally considered to be of interest."

The project also invited women to share their experiences through creative projects, including stories, drawings, paintings, photographs, recipes and poetry. The work was curated by a group of nine Tertulias participants and displayed at a gala event held at the National Hispanic Cultural Center on Oct. 19, 2024. In the study, supported by the National Institute on Minority Health and Health Disparities, half of the participants were randomized to a control group. All of the participants were fluent in Spanish and reported income below 250% of the federal poverty level.

Those in the active intervention cohort were divided into groups of about 10 people each and participated in the weekly conversations for 10 to 12. They were also encouraged to stay connected with one another via WhatsApp in between their Zoom meetups. (Those assigned to a control group had periodic phone check-ins with a staff member.)

The project was conducted in collaboration with two Albuquerque organizations: Centro Sávila, a mental health and case management program, and the One Hope Clinic, which originated with East Central Ministries, but is now run by OCH.

Lidia Regino, co-principal investigator for the Tertulias study, is a Health Extension Regional Officer for OCH based in Albuquerque's International District. She also served as the main facilitator for the weekly conversations. "We didn't know what we would face," she said. "Every week was different."

Often, the facilitated chats were relatively lighthearted, covering topics like food, cultural celebrations and books, but on occasion, the discussions could turn dark.

"Through this venue there were women who, by feeling so connected and so heard, they talked about things that they had never talked about with anyone before," Regino said. Some even described surviving sexual assault during their journey across the border from Mexico to the U.S.

"We heard a lot of difficult stories," she said. "You just have to find ways to lead the group in a sense where, 'Let's learn about what this means, let's learn about what this is and then let's find a healing place.'" In such cases, the researchers would follow up with those who had disclosed traumatic events and offer them more extensive support in the form of therapy, she said.

Domestic violence was a pervasive problem affecting many of the participants, Regino said. The facilitators devised safe words and emergency words for women to use to indicate that their abuser was in the room listening to the conversation – or whether they were actively in danger. "We had four or five situations, where they were like, 'OK, he got here. If you see him yank the phone away from me, call the police."

Regino said she was inspired by a one participant – a domestic violence survivor – who now works connecting other women to the resources they need, stressing the need for mutual support..

"She said, 'Everywhere you go, you have to come back for the rest,' and so we took that and we said, 'We have to come back for the rest,'" Regino said. "We are making strides. She's teaching us and we are teaching others and we are working together to come back for the rest, and that's what all the women are doing."

Many of the women remained connected via WhatsApp even after their facilitated Zoom meetups concluded, she said. "It wasn't our intention that it was going to grow beyond us," she said. "Now, it's almost like a standalone entity – that's how the women see it. They say to each other, 'I'm a Tertulia,' so it's very important."

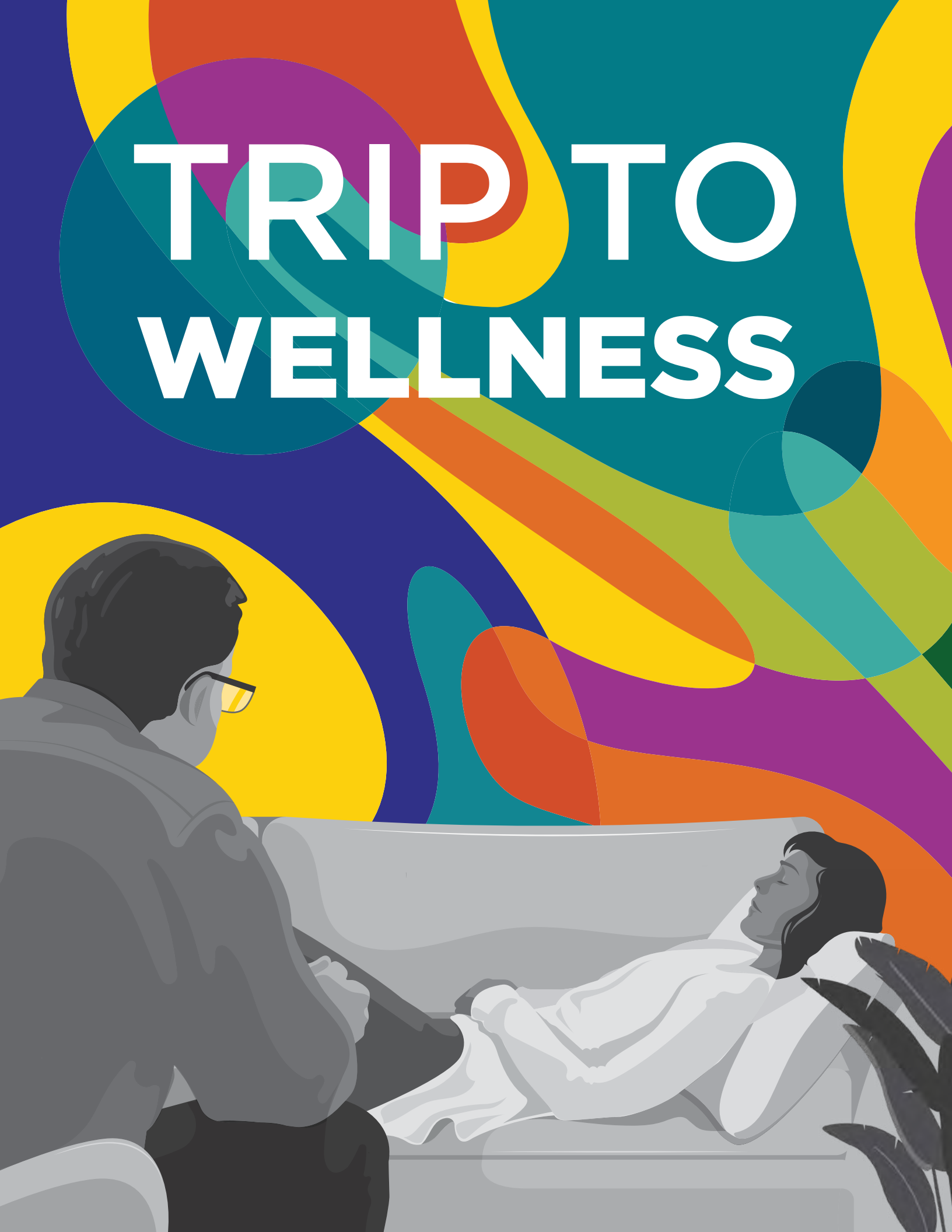
Many of the women who participated in the Tertulias project discovered a new sense of engagement and empowerment while experiencing less stress, Page-Reeves said. In 2023, a number of them even helped to co-author a paper for the journal Women's Health to provide their perspective on domestic violence.

In addition to gathering personal testimony from the women, the researchers are also looking for objective evidence of stress reduction. The women provided hair samples that are being analyzed by neuroscientist Elaine Bearer, MD, PhD, Distinguished Professor in the UNM Department of Pathology, to gauge circulating levels of cortisol, a stress hormone.

Meanwhile, Page-Reeves is seeking additional funding to further explore how the Tertulias intervention helps participants. She also wants to test a new interactive method for eliciting feedback participants that allows for more nuanced understanding of their responses.

"We're probably going to be making the argument that Tertulias works," she said. "We're no longer looking at efficacy. We now want to explore how and why it works."

TRIP TO WELLNESS



Testing Psychedelic Drugs as Treatments for Depression, PTSD and More

By Michael Haederle

Psychedelic drugs tend to be associated with 1960s counterculture, but they are attracting renewed attention from physicians and neuroscientists who are studying their potential to help people suffering from an assortment of behavioral health problems.

University of New Mexico Health Sciences researchers are at the forefront of several new studies to evaluate the use of drugs like psilocybin, ketamine and MDMA to treat depression, opioid use disorder, methamphetamine addiction and PTSD.

Two new psilocybin-related studies got underway in 2024, said Larry Leeman, MD, MPH, a professor in the Departments of Family & Community Medicine in the UNM School of Medicine, who also serves as medical director for UNM's Milagro Program.

RECONNECT is a Phase 2 multi-center study of RE104 – a novel compound that's related to psilocybin – for postpartum depression, which affects about 13 percent of new mothers. "The exciting thing about this one is it has the potential to quickly reverse postpartum depression," Leeman said.

Some participants in the double-blind placebo-controlled study receive a one-time injection of the short-acting drug, whose psychedelic effects peak at about 2 1/2 hours, he said.

"It might be useful in cases where a shorter experience might be more useful," Leeman said. While some people experiencing postpartum depression have a pre-existing mood disorder, many experience it only as an outcome of pregnancy, and might need just one treatment session to recover, he said.

Psilocybin has been shown to have effect on major depression within a few days, which may be particularly beneficial for mothers whose postpartum depression may be affecting maternal-infant bonding. It can only be used for people who are not breastfeeding, however.

RE104 is also being explored for treating patients with life-threatening cancer diagnoses who are experiencing depression and anxiety, he said. Leeman expects UNM will probably participate in that study, starting in 2025.

The other new study, dubbed uAspire, is a Phase 3 randomized, double-blind multicenter project assessing the potential benefits of psilocybin, the active ingredient in so-called "magic mushrooms," for major depressive disorder.

UNM's portion of the study is planned for 15-20 participants, Leeman said. Earlier studies have found that psilocybin trips coupled with therapy can help people rapidly reframe their traumatic memories and alleviate their distress.

The study is designed so that everyone who enters it can eventually receive psilocybin, he said. "This is an issue with randomized controlled trials, especially if you take people that are in emotional pain," he said. Study participants who desperately

hope a trial medication will alleviate their distress may actually feel worse if they receive an inactive placebo. "It's like a negative placebo – a nocebo," Leeman said.

UAspire will follow participants for 54 weeks, randomizing some participants to 25 mg of psilocybin – a moderate-to-high dose – while others will receive a smaller 5 mg dose or an inactive placebo. "In six weeks, you get re-scored for depression, and if you meet the criteria then, without anyone knowing what you got in the randomized portion, you become able to be re-dosed in the open label session for a total of four times in the next year," he said.

"It's a really pragmatic trial," Leeman said. "Even if you do your session and don't feel like you have the active drug, you know that in six weeks if you're still depressed you'll receive the 25 mg psilocybin dose. I think this will minimize the likelihood of their depression worsening if they believe they did not receive psilocybin."

The new studies join Leeman's existing research project to study whether therapy coupled with MDMA – better known as "Ecstasy" or "Molly" – can help postpartum mothers with opioid use disorder overcome their addictions. The hope is that MDMA sessions facilitated by trained therapists will alleviate the PTSD symptoms that often drive illicit drug use, Leeman said.

The studies are carried out at the Interdisciplinary Substance Use and Brain Injury Center (ISUBI), adjacent to Pete & Nancy Domenici Hall on UNM's North Campus, he said. ISUBI can accommodate overnight stays for MDMA-assisted therapy and day-long stays for other psychedelic therapy studies, enabling studies that require patients be observed for a period following their treatment in a safe, supportive setting.

UNM Health Sciences psychedelic research dates back to the early 1990s, when Rick Strassman, MD, an associate professor in the Department of Psychiatry & Behavioral Sciences, studied the therapeutic potential of psilocybin and DMT – the active ingredient in ayahuasca, Leeman said.

More recently, UNM researchers, including Snehal Bhatt, MD, professor of Psychiatry and chief of the Division of Addictions Psychiatry, played a major role in a widely reported 2022 study reporting that psilocybin-assisted therapy helped people overcome alcohol use disorder.

Larry Leeman, MD, MDH, reflected through a double mirror used to observe subjects at the Interdisciplinary Substance Use And Brain Injury building

Snehal Bhatt, MD, looking out of a conference room window at the Interdisciplinary Substance Use And Brain Injury building

Now, Bhatt is taking part in the KMD (Ketamine for Methamphetamine Dependence) study, a multi-site evaluation of ketamine as a treatment for methamphetamine addiction.

Ketamine is not technically a psychedelic, but an anesthetic whose dissociative properties have sometimes led to its abuse as a recreational drug. However, it has also been found to rapidly alleviate depression symptoms.

The safety and efficacy study, run through the National Institute on Drug Abuse (NIDA) Clinical Trials Network, involves four sites and seeks to enroll 30 participants at each location over two years, Bhatt said.

"Methamphetamine, in particular, is posing a huge public health challenge," he said. "Here in New Mexico and around the country the rates are just going up." At the moment there are few effective treatments for methamphetamine addiction, he said, but there is hope that ketamine might be a game-changer.

"Some artificial intelligence algorithms that NIDA used actually showed that ketamine is one of the more promising treatment approaches," Bhatt said. "One of the big priorities at NIDA is co-occurring depression, because you do see that a very high proportion of people using methamphetamine have depression." Some participants will undergo two 40-minute infusions of ketamine per week for three weeks, then one per week in week 4 and week 6. The others will receive similar infusions of an active placebo called midazolam, a sedative and anesthetic. Participants will be followed for 12 weeks and submit urine samples to reveal whether they had used methamphetamine, he said.

"The primary endpoint is looking at reductions in methamphetamine use within weeks 5 and 6 – that maintenance infusion period at the end of the active treatment," Bhatt said. "We'll also be tracking meth use all the way up to week 12. That's part of the secondary outcome, to see if the effects persist or if they wash away."

Study participants are being recruited from both UNM and community treatment clinics. "We want to make it available to our patients," he said. "It's one of those big, all-hands-on-deck outreach efforts to make those connections, and if someone's interested, really get them enrolled in a timely way."

Tackling the Challenge of Dementia

Center for Memory & Aging Receives **$21.7 Million Grant** to Fund Alzheimer's Disease Research Center

By Michael Haederle

Despite decades of research, scientists remain puzzled by many aspects of Alzheimer's and other forms of dementia. What defines and distinguishes the different forms of dementia? What drives the disease process – and what can be done about it?

These questions are top of mind at The University of New Mexico's Center for Memory & Aging, which in Spring 2024 received a five-year $21.7 million program grant from the National Institutes of Health (NIH) to fund its Alzheimer's Disease Research Center (ADRC).

Funding for the P30 grant through the National Institute on Aging followed a three-year exploratory grant that UNM received as it sought to become one of 35 research universities in the ADRC network, said Gary Rosenberg, MD, professor in the UNM Department of Neurology and founding director of the New Mexico Center for Memory & Aging, who serves as principal investigator on the grant.

The ADRC network was created in 1984 to provide operational support across the U.S. for multidisciplinary research to better investigate the underlying causes of Alzheimer's disease and related dementias and find ways to treat and possibly prevent these diseases.

"The whole point was that no one center was going to get enough information, so they built these centers for collecting behavioral data, imaging data, cerebrospinal fluid and blood data and pathology data into national repositories," Rosenberg said. "These centers are a major resource for large studies into the cause and prevention of cognitive decline and loss."

Researchers view dementia as a collection of disorders with different causes, with Alzheimer's disease being the most common, he said. UNM researchers are using artificial intelligence techniques to identify key imaging and fluid biomarkers that can distinguish between Alzheimer's disease and vascular dementia, for example.

Alzheimer's disease is characterized in part by an abnormal accumulation of amyloid and other proteins that causes inflammation and hinders brain cell function, while vascular dementia occurs when blood vessels are damaged by high blood pressure, diabetes, sleep apnea and other risk factors. This leads to reduced oxygen in the brain, which can cause small strokes.

"We now realize that most people have a combination of Alzheimer's and vascular dementia," Rosenberg said. "When you have both vascular disease and amyloid protein, the inflammation is much worse. That disrupts the blood vessels, leading to more cascading events."

UNM researchers will study ways to reduce the impact of inflammation on disease progression as part of the new ADRC's mission.

Meanwhile, the NIH has in recent years broadened the scope of biomedical research to include groups that have historically been overlooked in studies, including African Americans, Hispanics and Native Americans.

For the past several years, the Center for Memory & Aging has conducted brain imaging studies at Zuni and Acoma Pueblos in western New Mexico using a portable MRI scanner mounted in a semi-trailer, accompanied by on-site neuropsychological testing by specially trained tribal members.

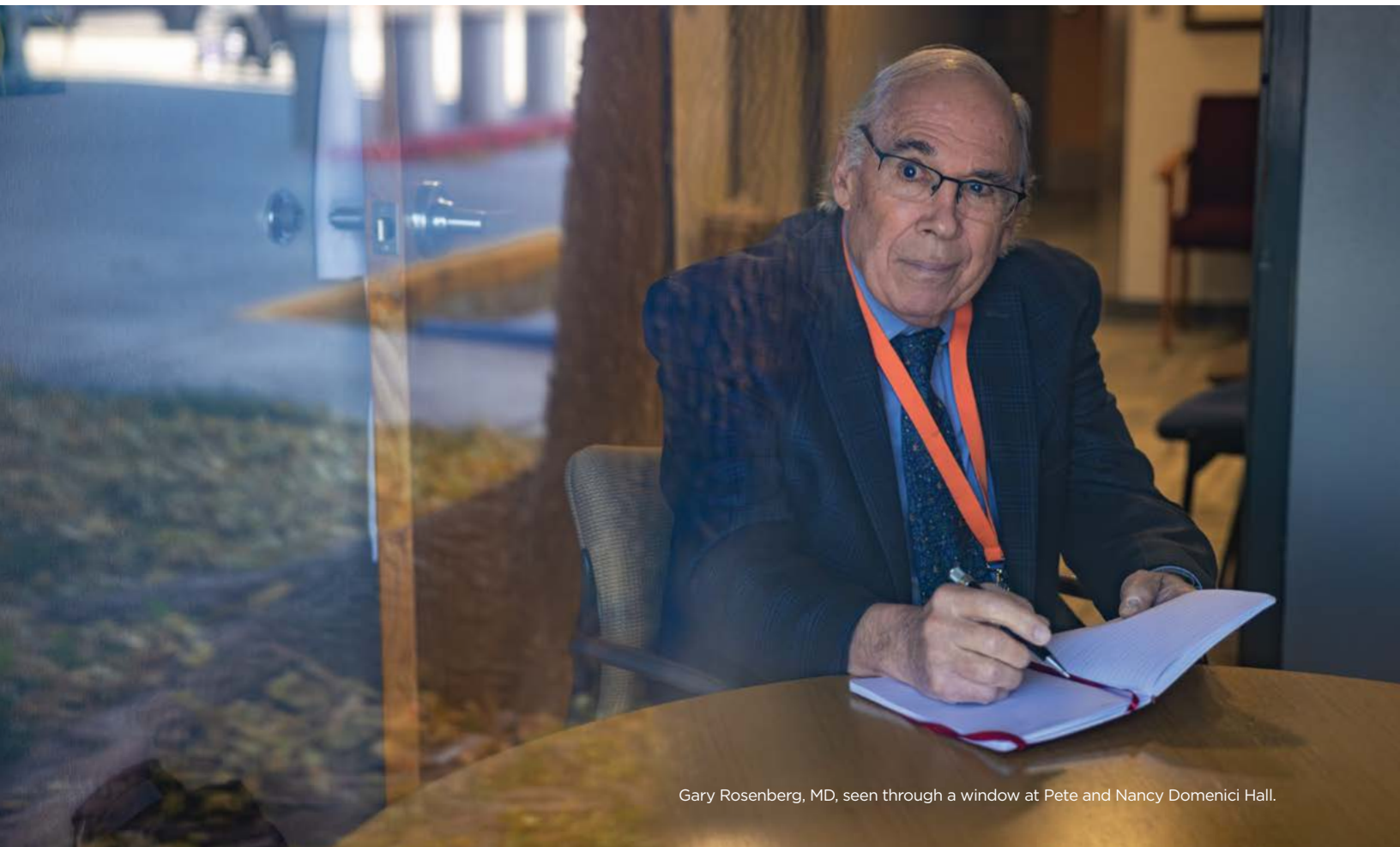
As part of the new grant funding, the ADRC's Outreach, Recruitment and Engagement Core will focus on recruiting study participants from communities throughout the state in hopes of further reducing the disparities related to access to health research.

Rosenberg believes the scope of UNM's research played a role in the NIH decision to award continued funding to UNM's Alzheimer's center, as did the cutting-edge imaging resources housed at the Mind Research Network, located in Pete and Nancy Domenici Hall on UNM's North Campus.

"Our emphasis on being able to work with a large, diverse group was probably a factor, as was our forward-looking thinking about how to eventually treat these diseases by calming inflammation." - Gary Rosenberg, MD

Rosenberg also credited Gov. Michelle Lujan Grisham, New Mexico's Congressional delegation, UNM leadership and faculty and the New Mexico chapter of the Alzheimer's Association for supporting the application for the award, which will involve research faculty and staff from both UNM Health Sciences and Central Campus.

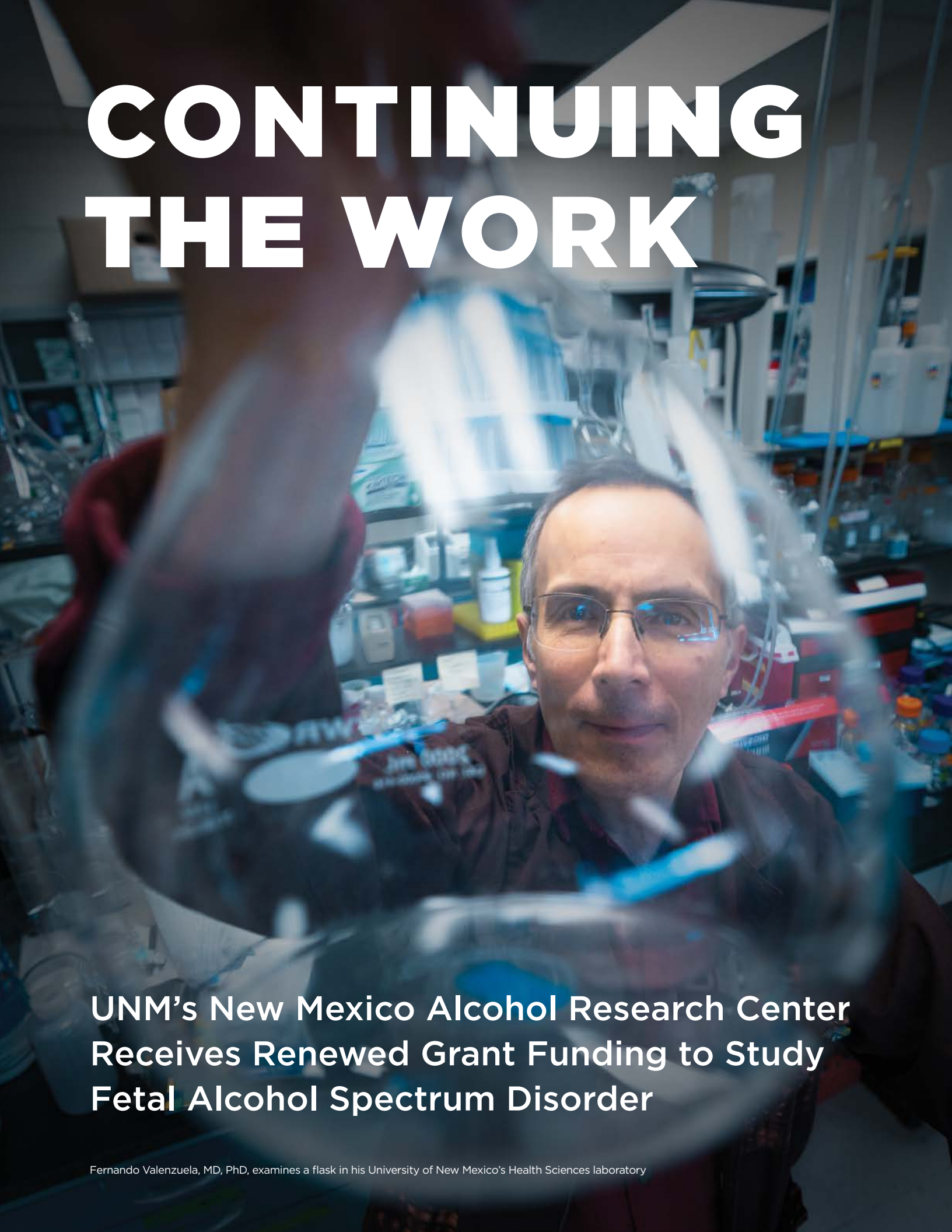
"Obtaining this grant was a major team effort and we are all excited by this opportunity," he said. "These centers have a life of their own once they get going. We've got the snowball built, and now the university and state will have to help us keep it rolling."



Gary Rosenberg, MD, seen through a window at Pete and Nancy Domenici Hall.

CONTINUING THE WORK

UNM's New Mexico Alcohol Research Center Receives Renewed Grant Funding to Study Fetal Alcohol Spectrum Disorder



Fernando Valenzuela, MD, PhD, examines a flask in his University of New Mexico's Health Sciences laboratory

By Michael Haederle

Fetal Alcohol Spectrum Disorder (FASD) is widespread in New Mexico and across the nation, affecting about one in 20 U.S. school-aged children, according to the Centers for Disease Control and Prevention.

This condition truly falls along a "spectrum," with effects ranging from severe intellectual disability to more subtle cognitive and behavioral impairments, but the common denominator is prenatal exposure to alcohol.

Researchers at the New Mexico Alcohol Research Center (NMARC) at The University of New Mexico Health Sciences Center have been studying FASD since 2008 in hopes of better understanding how it affects the brain. In 2024, the center received a five-year, $7.3 million extension of its National Institutes of Health program grant to support its ongoing research.

"We're looking at mechanisms responsible for the effects of alcohol on the brain," said center director C. Fernando Valenzuela, MD, PhD, professor in the Department of Neurosciences in the UNM School of Medicine. "We mainly focus on neurological, behavioral and neuro-psychiatric deficits."

It's the most prevalent neurodevelopmental disorder, and in theory, it's completely preventable, Valenzuela said.

But because many women of reproductive age drink alcohol, and because it can take a month for a woman to know she is pregnant, the developing fetus can receive significant alcohol exposure before the expectant mother has had a chance to alter her consumption.

The grant from the National Institute on Alcohol Abuse and Alcoholism represents the third round of full funding for the center, he said. Researchers affiliated with the center have searched for unique biomarkers to diagnose the condition and evaluated potential therapeutic interventions such as music training, the use of special video games and other exercises thought to enhance cognition.

The next phase will focus on some of the unique deficits experienced by those living with FASD.

"We're trying to understand how alcohol exposure in utero affects visual spatial memory and cognitive flexibility," Valenzuela said. "Sometimes, memory is not so good and the ability to learn things related to space and time can be impaired."

NMARC brings together faculty members from across UNM Health Sciences and the University at large, including the Departments of Pediatrics and Psychiatry & Behavioral Sciences, the College of Pharmacy and the Department of Psychology, he said. It also has a partnership with researchers at the Mind Research Network, who provide critical neuro-imaging support.

NMARC also partners with the UNM Center for Development & Disability (CDD) in the Department of Pediatrics, Valenzuela said. Because CDD provides important clinical care for children and adolescents with developmental disorders, it serves as an important pathway for recruiting participants in neuroimaging studies and helps to inform research priorities.

"The human work is informing our laboratory studies," he said. "That's the strength of the center. They tell us, 'Look, this is what we're seeing in the clinic. These are the problems we are facing.' Then we focus and try to research on that."

Valenzuela emphasizes that individuals with FASD have many strengths.

"The field is shifting in recognizing that," he said. "They have tremendous abilities that we can foster and facilitate and enrich. The reason we are shifting is because we are getting more and more people with FASD at the table with us, working in advisory meetings."

NMARC is also an important resource for the University and New Mexico as a whole, he said, because it generates employment for scientists, research technicians and students and provides important training opportunities, he said.

"I'm very excited for the field and what we can contribute to help with this condition," Valenzuela said. "I'm also excited to be working with this talented group of scientists and trainees to do something really good that for the field."

INVENTIVE FACULTY

Health Sciences Researchers Make Their Mark as UNM Rainforest Innovation Fellows

The University of New Mexico Rainforest Innovations board of directors established the annual Rainforest Innovation Fellows Award to honor UNM inventors whose work has led to commercialization activities. UNM Health Sciences researchers have been well represented since the award was created in 2010.

The Rainforest Innovation Fellow Award recognizes the impact of new technologies resulting in substantial benefit to the public. A review committee selects Innovation Fellows based on new technologies disclosed, patents received, license and option agreements entered into, new companies started and income generated from these technologies. The award includes an honorarium of $2,500, a booklet outlining a summary of the metrics and impact of the awardee's technologies and a commemorative gift.

The UNM Health Sciences Rainforest Innovations Fellows include:

Karin Westlund High '23, PhD
Professor and Vice Chair for Research
Department of Anesthesiology & Critical Care Medicine
School of Medicine

Karin Westlund High's research focuses on finding non-opioid therapeutics to relieve chronic pain. She is among the earliest members of the American Pain Society, the U.S. chapter of the International Association for the Study of Pain (IASP), which is dedicated to advancing multidisciplinary pain care, education, advocacy and research to improve people's quality of life. She has served as associate editor for the Pharmacology section of Pain, the IASP professional journal, and in 2008 she won the IASP's Fred Kerr Career Research Award. She received her PhD in physiology and biophysics from the University of Texas Medical Branch at Galveston. She is a distinguished professor and the Vice Chair for Research in the Department of Anesthesiology & Critical Care Medicine at the UNM School of Medicine, and is a Research Physiologist at the New Mexico Veterans Affairs Health Care System in Albuquerque. Her lab has patented two non-opioid small single chain antibodies that significantly inhibit targets upregulated in chronic neuropathic pain. A single dose of one antibody returns pain- anxiety- and depression-like behaviors to baseline. The project has received National Institutes of Health, Department of Defense and VA Merit grant funding. Her previous studies have been continuously funded and appear in 182 published manuscripts, cited 11,645 times. Live cell calcium and ROS imaging, neurochemical, gene therapy, molecular, pharmacological, electrophysiological, fMRI, behavioral, immunocytochemical, cell culture and neuropathological approaches are utilized. Major findings include shared discovery of previously unknown visceral pain pathways with collaborating neurosurgeons, feed-forward neurogenic loops ("vicious cycles") induced in peripheral sensory nerves and the spinal cord that amplify both inflammation and pain, and switch from inhibition to facilitation of pain- and anxiety-related behaviors during the transition from acute to chronic pain states. She has provided numerous contributions to the education of graduate, medical and dental students, primarily through medical and dental neuroscience courses.

Eric Prossnitz ’21, PhD
Distinguished Professor and Chief, Division of Molecular Medicine
Department of Internal Medicine
School of Medicine

Eric Prossnitz and his team have identified new drugs that are currently in clinical trials for cancer patients. After centering his early studies of chemotactic immune receptor function, he shifted his research focus to understanding the actions of estrogen through a novel target, G protein-coupled estrogen receptors (GPCR), a large group of evolutionarily related cell surface proteins that detect molecules outside the cell and activate cellular responses. More than 125 GPCRs are targets for FDA-approved drugs, serving as the target for about 700 approved drugs. His studies have led to the first clinical trial of a UNM-developed drug conducted at the UNM Comprehensive Cancer Center. He has received continuous NIH funding since 1994, for a total of more than $50 million in funding at UNM as PI or Co-PI. He has authored more than 220 peer-reviewed articles and reviews, with more than 22,000 citations. His research has led to the disclosure of 18 technologies at UNM Rainforest Innovations, eight U.S. issued patents and three pending patents. Prossnitz received his PhD in biochemistry from the University of California, Berkeley, in 1989, and carried out postdoctoral training at the Scripps Clinic and Research Institute, where he received his first faculty appointment in 1994. In 1997 Prossnitz was recruited to the UNM Department of Cell Biology & Physiology, and in 2015 the Department of Internal Medicine. He has been a program leader at the UNM Cancer Center since 2008, a module lead in the UNM Clinical & Translational Science Center since 2010 and Chief of the Division of Molecular Medicine since 2018. He has also led components of the New Mexico INBRE and Mountain West Clinical & Translational Research Infrastructure Network, and is the academic lead for the ASCEND Accelerator Hub that promotes entrepreneurship and commercialization of university basic and translational science for the seven Western IDeA states.

Angela Wandinger-Ness ’19, PhD
Professor Emerita
Department of Pathology
School of Medicine

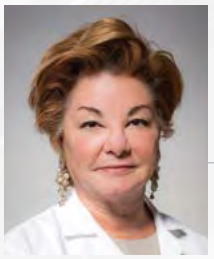
Angela Wandinger-Ness has elucidated the mechanisms underlying autosomal dominant polycystic kidney disease and relationships to oral-cranio-facial disease. She also developed strategies for kidney regeneration through the use of stem cells and decellularized scaffolds. She has studied enzymes called GTPases – molecular switches that regulate how cells break down, organize, move around and attach to one another. Mutated Ras proteins are the key targets in cancer therapeutics development, because they are implicated in more than 30% of human cancers. In addition, other small GTPases in the Ras superfamily, such as Rac and Rho subfamilies, play a role in cancer progression and metastasis. Rac1, an oncoprotein that mutates and dysregulates in many cancers, is associated with poor prognosis and drug resistance in ovarian, breast, colon and other cancers. Wandinger-Ness and her team discovered that a component of the non-steroidal anti-inflammatory drug ketorolac acts on GTPases in ovarian cancer cells to keep the cells from growing and spreading. Wandinger-Ness found it conferred a huge survival benefit for ovarian cancer patients who were given ketorolac for pain after surgery. One component of the drug, S-ketorolac, is the pain reliever; the other component, R-ketorolac, acts as an anti-cancer drug. Wandinger-Ness established R-ketorolac as a Rac1 and Cdc42 (a Rho GTPase) inhibitor and showed their therapeutic benefits for ovarian cancer patients. She joined the UNM Department of Pathology faculty in 1999 and holds numerous awards for teaching and research. She has authored more than 90 peer-reviewed articles and reviews and has disclosed 19 technologies and received six U.S. issued. Her laboratory has been extramurally funded since 1993 through NIH, National Science Foundation and a variety of private foundations, totaling 39 grants as PI and $23 million dollars in direct costs. She is the recipient of a Women in Technology Award and is a five-time STC Innovation Awardee.

Bryce Chackerian ’17, PhD
Regents’ Professor &
Jeffrey Michael Gorvetzian
Endowed Professor
Department of Molecular Genetics
& Microbiology
School of Medicine

As a postdoctoral fellow studying virology and immunology at the National Cancer Institute Bryce Chackerian studied virus-like particles (VLPs) as vehicles for developing vaccines. The idea was to essentially fool the immune system into thinking that it was experiencing a viral infection and so generate large amounts of antibodies to self-peptides displayed on the virus surface. In 2004, Chackerian joined the UNM Department of Molecular Genetics & Microbiology, where his laboratory focuses on using VLPs for vaccine development. He works closely with David Peabody, an expert in the structure and function of bacterial viruses, to construct VLPs from RNA bacteriophages (viruses that infect bacteria). VLPs are nanostructures that lack the viral genetic material necessary for infection, but they retain their external structure for repetitive, high-density antigen display that mimic the organization of native viruses but are unable to replicate. There are many places on the structure where the antigen or antibody can attach. VLPs can be grown in large amounts and have a naturally encapsidated single-stranded RNA. The genetic material of the antigen is inserted into the VLP and displayed on its surface. Using bacteriophage MS2 VLPs, the inventors can display specific epitopes on their surface and test for an immune response. They have created very large, diverse libraries of VLPs that display random peptide (small antigen) sequences. With a suitable immune response, the VLP becomes the vaccine. Using this flexible platform with an expanding number of available monoclonal antibodies, Chackerian has identified VLPs that induce neutralizing antibodies against pathogens, such as human papillomavirus; Nipah virus; blood-stage malaria; Staphylococcus aureus (including the antibiotic-resistant MRSA strain) and respiratory syncytial virus. They have also engineered vaccines targeting LDL cholesterol and triglycerides associated with heart disease and tau proteins associated with Alzheimer’s disease and traumatic brain injuries.

David Peabody ’17, PhD
Professor
Department of Molecular Genetics
& Microbiology
School of Medicine

David Peabody is a world-renowned expert in the structure and function of bacterial viruses. At UNM, he has partnered with Bryce Chackerian in the development of vaccines using virus-like particles (VLPs). As a postdoctoral fellow studying biochemistry at the Stanford University Medical School, Peabody focused on gene regulation in mammalian cells and artificially constructed recombinants. He then turned to analyzing the genetic and biochemical relationship between coat protein structure and its ability to specifically recognize RNA as a model for virus assembly. Peabody joined the UNM’s Department of Molecular Genetics & Microbiology in 1984. He showed that it is possible to fuse two polypeptide chains of the MS2 viral coat protein. This molecule functions in the phage lifecycle as a non-covalent dimer, but he showed it would work successfully if the dimer is made of conjoined monomers. He went on to use the fused dimer system to interrogate the coat protein-genomic RNA interaction. RNA phages depend on multiple coat protein dimer-genomic RNA contacts – termed the packaging signal-mediated assembly. The highest affinity-packaging signal is a piece of RNA that forms a structure known as a stem-loop that binds across both monomers of a coat protein dimer. By mutating one-half of his fused dimer at a time, Peabody define the RNA binding sites in each half of the dimer. He then showed that genetic dimerization of the coat protein allowed him to insert foreign peptide epitopes into the three-dimensional structure of the protein so that it did not prevent assembly into VLPs. He later showed that MS2 assembled with the fused coat protein dimer could be used for peptide display – a landmark achievement in the field for single-stranded RNA viruses. This worked helped set the stage for his collaboration with Chackerian to develop VLP-based vaccines for a host of diseases and chronic health conditions.



Cheryl Willman ’15, MD
Distinguished Professor
Departments of Pathology
& Internal Medicine
School of Medicine

Cheryl Willman is a cancer biologist who since 2021 has served as executive director of Mayo Clinic Cancer Programs at the Mayo Clinic Comprehensive Cancer Center while retaining her faculty affiliation with UNM. Willman trained as a pathologist at the Mayo Medical School and completed her internship, residency and fellowship at UNM, joining the School of Medicine faculty in 1982. She was appointed director and CEO of the UNM Cancer Center in November 1999. Under her stewardship, the Cancer Center was awarded a five-year National Cancer Institute P20 Cancer Center Planning Grant in 2000. Five years later, the Center succeeded on its first attempt at NCI Designation and was awarded an NCI P30 CCSG grant. The Center underwent a highly successful competitive renewal in 2010 and has gone on to receive Comprehensive designation. Her UNM research group focused mainly on characterizing and targeting therapies for leukemia by looking at gene expression patterns and underlying genetic events. Willman’s lab studied Hispanic and Native American children with acute lymphoblastic leukemia (ALL) who have a very poor response to standard therapies and low survival rates (30 to 50 percent). Using next-generation genetic sequencing to identify active genes in cancer cells, the researchers discovered that these children have a particular form of leukemia called Philadelphia-like (Ph-like) ALL, caused by a genetic mutation (also affecting adult ALL patients) that non-Hispanic and non-Native American children do not have. Several new therapeutic targets and diagnostics resulted from this research that have been tested in clinical trials and led to several patents and pending patents. The UNM Cancer Center, which received FDA approval for a novel diagnostic in a national study of 4,000 leukemia patients, is using genetic sequencing to search for the mutations associated with Ph-like ALL that can be targeted by existing cancer drugs that are effective against these mutations, leading to new clinical trials.

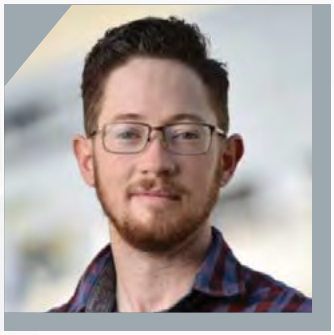
Graham Timmins ’13, PhD
Associate Professor
Department of
Pharmaceutical Sciences
College of Pharmacy

Graham Timmins is an expert is in medicinal chemistry, a multidisciplinary science that combines synthetic organic chemistry, pharmacology and other biological specialties to design and develop drugs to treat disease. His research focuses on using stable isotope-labeled compounds to develop new drugs and diagnostics and to study free radical biology in melanoma and infectious disease. He has developed innovative breath-test technologies to diagnose and monitor cystic fibrosis, ventilator-associated pneumonia and tuberculosis infections. Test results are available within 10 minutes of inhaling a tracer compound (urea) made from a non-radioactive carbon isotope. The pathogen breaks down the urea into carbon dioxide, which can be detected in the patient’s exhaled breath. The breath test samples the entire lung non-invasively and can rapidly diagnose in cystic fibrosis patients the onset of first infection by chronic P. aeruginosa and monitor its conversion to a mucoid, drug-resistant strain. Rapid diagnosis is critical to delaying the conversion of P. aeruginosa to its mucoid strain, because conversion leads to the lung damage that causes progressive disability and a shortened life span for these patients. Timmins has also developed technologies that improve the efficacy of isoniazid, an antibiotic that has been used to treat active and drug-resistant strains of tuberculosis since 1952. He discovered that the drug can be rendered more potent against the pathogen by using its isotopically labeled derivatives in combination with a low strength magnetic field. Timmins has also explored the hypothesis that that ultraviolet A (UVA) – the tanning rays in sunlight – is likely a major cause of melanoma, as opposed to UVB light, which causes sunburn. He has made significant contributions to the field using electron paramagnetic resonance spectrometry to explore how UV light affects melanin (skin pigment) and leads to the formation of melanoma.

Larry Sklar '11, PhD
Distinguished Professor Emeritus
Department of Pathology
School of Medicine

Larry Sklar was honored for his work as an innovator at the UNM Health Sciences Center. During his time at UNM he disclosed more than 50 technologies, received 19 patents and copyrights, had his technologies licensed to 11 companies and had two startup companies created around his inventions, including Intellicyt Corp., an Albuquerque company that sells his HyperCyt® platform technology for flow cytometers. As head of the New Mexico Molecular Screening Center, he worked to transform flow cytometry technology into the benchmark for high throughput flow cytometry. Flow cytometers measure cell fluorescence as cells in a sample flow very rapidly in single file through a laser beam that excites fluorescent probes attached to the cells. Flow cytometers can analyze 50,000-70,000 cells per second and the fluorescence on 16 probes per cell. But traditional flow cytometers can't measure multiple collections of cells rapidly. The HyperCyt® platform speeds up the process of analyzing multiple cell collections. The platform technology also increases a cytometer's ability to look at multiple targets on cells simultaneously. Researchers in the group studied how transporter molecules in cancer cells protect those cells from chemotherapy drugs, and how a similar process centered around quorum sensing in a strain of Staphylococcus bacterium makes it resistant to antibiotics. Researchers test molecules in the Center's molecular library to find compounds that can be used to solve these biological conundrums. Future applications of the HyperCyt® technology could lead to a quick and effective way to find a compound that will either enhance the effect of chemotherapy drugs on cancer cells or act as an effective agent itself for patients whose cancers are drug resistant. Sklar's lab collaborated with the other eight national NIH-funded molecular-screening centers around the nation as well as with scientists and engineers from Los Alamos National Laboratory, Sandia National Laboratories and internationally.

Ian Marshall Adams, PhD Candidate
Anesthesiology & Critical Care Medicine
T32 Scholar, NIGMS
Cell biology, cell signaling, cellular and molecular oncology.
Mentor: Diane Lidke, PhD

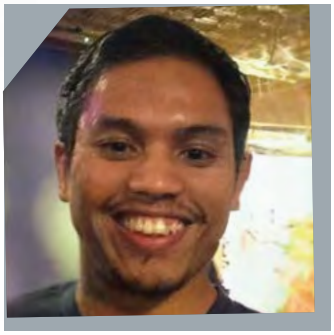


Jacob Anderson, PhD
Cell Biology & Physiology
T32 Scholar, NHLBI
Investigating the role of endothelial membrane cholesterol in regulating vascular activity.
Mentor: Jay Naik, PhD

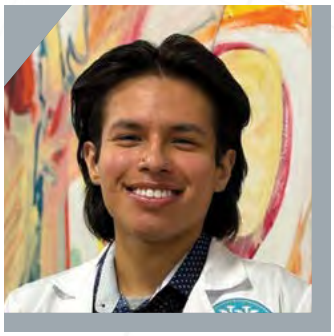
David Arredondo, PhD
Internal Medicine
Postdoctoral Fellow, ASERT, NIGMS
Leveraging artificial intelligence to predict gene, mutation and drug interactions for advancing precision medicine deleterious consequences.
Mentors: Avinash Sahu, PhD; Kimberly Leslie, MD; Jim Niforatos, PhD

Michael C. Bennett, PhD Candidate
Neurosciences
F31 Scholar, NINDS
Exploring the contribution of alternative, non-NMDAR mediated mechanisms of delayed synaptic recovery following spreading depolarizations and identifying potential pharmacological interventions.
Mentor: C. William Shuttleworth, PhD

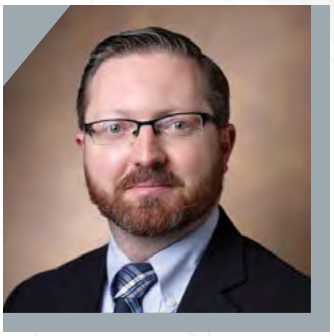
Alissa Cabada-Gomez, MD/PhD Candidate
Neurosciences
T32 Scholar, NHLBI
Investigating deleterious consequences following spreading depolarization in related context of ischemic brain injury and stroke.
Mentor: C. William Shuttleworth, PhD



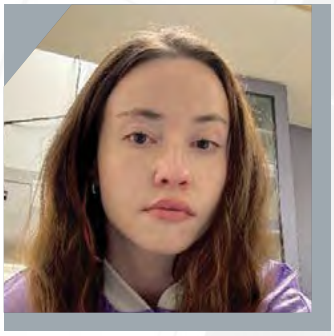
Christian Cabanlong, PhD
Biochemistry & Molecular Biology
Postdoctoral Fellow, ASERT, NIGMS
Elucidating the genes involved in iron-dependent cell death that may serve as targets in the treatment of colorectal cancer.
Mentors: Sarah Blossom, PhD; Xiang Xue, PhD; Angela Wandinger-Ness, PhD; Jim Niforatos, PhD



Matthew Cabrales, PhD Candidate
Molecular Genetics & Microbiology
T32 Scholar, NIGMS
Infectious disease, therapeutic discovery, cancer biology.
Mentor: Michelle Ozbun, PhD



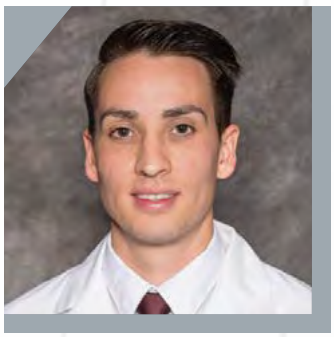
Ross Clark, MD, MBA
Surgery
KL2 Scholar, NCATS
Wound healing and angiogenesis in diabetes and obesity. Hydrogen sulfide biology and signaling in angiogenesis. Microplastics in vascular lesions.
Mentors: James Chodosh, MD; Nancy Kanagy, PhD



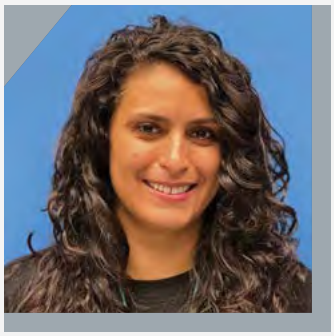
Andrea Corbet, PhD
Internal Medicine
Postdoctoral Fellow, NIGMS
Assessing the impact of estrogen signaling on the activity of the innate immune response protein STING in ovarian cancer.
Mentors: Sarah Adams, MD; Eric Prossnitz, PhD

Xavier A. DeLeon, PhD Candidate
Cell Biology & Physiology
T32 Scholar, NIGMS
Determining the contribution of ASIC1a to the age- and sex-related development of cardiometabolic disease.
Mentor: Nikki Jernigan, PhD

Alexandra Francian, PhD
Molecular Genetics & Microbiology
Postdoctoral Fellow, ASERT, NIGMS
Developing vaccines for malaria and mosquito-borne viruses using virus-like particle vaccine platforms.
Mentor: Bryce C. Chackerian, PhD



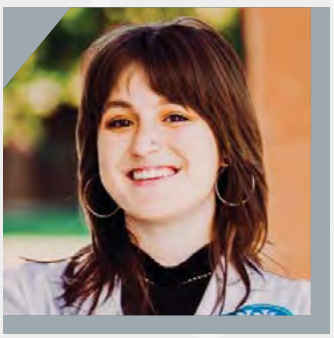
Marcus Garcia, PharmD, RPh
Pharmaceutical Sciences
Postdoctoral Fellow, ASERT, NIGMS
Elucidating the health impacts of environmental contaminants, in particular, microplastics and heavy metals, that are present human tissues.
Mentors: Eliseo F. Castillo, PhD; Matthew Campen, PhD, Terri Koontz, MS



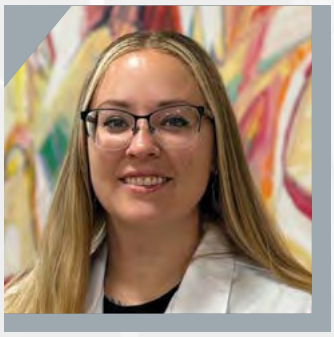
Selina Garcia, PhD
Cell Biology & Physiology
T32 Scholar, NHLBI
Cardiovascular physiology
Mentors: Laura Gonzalez Bosc, PhD, and Nikki Jernigan, PhD

Naomi George, MD, MPH
Emergency Medicine
KL2 Scholar, NCATS
Adapting and testing social care interventions for the ICU and identifying promising implementation strategies for future effectiveness-implementation testing.
Mentors: Larissa Myaskovsky PhD; Mark Unruh MD; Janet Page-Reeves PhD

Baley Goodson, PhD Candidate
Molecular Genetics & Microbiology
T32 Scholar, NIGMS
Mechanisms of lysosomal BMP alterations in SARS-CoV2 infection.
Mentor: Jing Pu, PhD



Devon Hatcher, PhD Candidate
Neurosciences
T32 Scholar, NIGMS
Spreading depolarizations and mild traumatic brain injuries
Mentors: Nancy Kanagy, PhD; Russell A. Morton, PhD



Brandi R. Hess, PhD Candidate
Neurosciences
T32 Scholar, NIGMS
Neuroimmune dysfunction and metabolic fluctuations as it relates to mTBI-induced spreading depolarizations characterized by cortical network dysfunction using in-vivo electrophysiology.
Mentor: Russell A. Morton, PhD

Andzoa Jamus, PhD Candidate
Molecular Genetics & Microbiology
T32 Scholar, NIAID
Development and optimization of bacteriophage virus-like particle vaccines against Infectious and non-infectious pathogens.
Mentor: Kathryn Frietze, PhD

David Jones, PhD Candidate
Anesthesiology & Critical Care Medicine
T32 Scholar, NIGMS
Plasma membrane cholesterol regulation of the L-type transport protein Lat1 and DRG sensory neuron excitability in chronic neuropathic pain.
Mentor: Sascha Alles, PhD

Randy Ko, MD/PhD Candidate
Internal Medicine
F31 Scholar, NIDDK
Studying molecular mechanisms of estrogen signaling through the G protein-coupled estrogen receptor and the role this receptor plays in obesity, lipid metabolism and wound healing.
Mentors: Eric Prossnitz, PhD; Meilian Liu, PhD

Jamie Krashin, MD, MSCR
Obstetrics & Gynecology
KL2 Scholar, NCATS
Understanding and addressing disparities in early pregnancy complications in rural New Mexico.
Mentors: Larissa Myaskovsky, PhD; Cathleen Willging, PhD; Yuko Komesu, MD

Benjamin Lantz, PhD Candidate
Cell Biology & Physiology
T32 Scholar, NHLBI
T regulatory-T helper 17 cell balance in chronic hypoxia-induced pulmonary hypertension.
Mentor: Laura Gonzalez Bosc, PhD

Angela Littlefield, PhD Candidate
Pathology
T32 Scholar, NIGMS
Cancer biology; cell signaling; biophysics; membrane receptor.
Mentor: Diane Lidke, PhD

Monica Long, PhD Candidate
Cell Biology & Physiology
T32 Scholar; NHLBI
Studying brain microvascular endothelial cell permeability and angiogenesis in a 3D model of the neurovascular unit.
Mentor: Amy Gardiner, PhD

Brianna Maes, PhD Candidate
Internal Medicine
T32 Scholar, NIGMS
Microbiology and infectious diseases
Mentor: Eliseo Castillo, PhD

Caitlin McPherson, PhD
Pathology
Postdoctoral Fellow, ASERT, NIGMS
Utilizing bio-archaeological methodology to examine the relationship between stress events and impacts on growth, disease susceptibility and mortality risk across the lifespan.
Mentors: Heather Edgar, PhD; Lexi O'Donnell, PhD; Christine Woods, PhD; Todd Nims, MS

Jorge Moreno, PhD Candidate
Pharmaceutical Sciences
T32 Scholar, NIGMS
Investigating mechanisms of autoimmune development after exposure to heavy-metal rich mine dust in populations living adjacent to abandoned uranium mines.
Mentor: Alicia Bolt, PhD

Kimberly Morrissey, PhD
Molecular Genetics & Microbiology
Postdoctoral Fellow, ASERT, NIGMS
T cell responses related to their mobility and metabolism in the context of infection.
Mentors: Judy Cannon, PhD; Bryce C. Chackerian, PhD; Heather Simpson, PhD

Roberto Mota Alvidrez, MD, MS
Pharmaceutical Sciences
KL2 Scholar, NCATS
Studying the mechanistic response elements of HMGB1 regulation of Type 2 diabetes-related hyperglycemia; advancing knowledge of HMGB1 as a therapeutic target in hyperglycemia related to insulin resistance.
Mentors: Barry Bleske, PharmD; Jaya Rajaiya, PhD

Madison Otero, PhD Candidate
Neurosciences
T32 Scholar, NIGMS
Genetics and data science
Mentor: Amy Gardiner, PhD

Erica Pascetti, PhD Candidate
Pathology
T32 Scholar, NHLBI
Hematopoietic stem and progenitor cells
Mentor: Jennifer Gillette, PhD

Sumira Phatak, PhD
Pharmaceutical Sciences
Postdoctoral Fellow, ASERT, NIGMS
Understanding the biological impact of common environmental insults, including gestational ozone exposure, ingested plastics and wildfire smoke, on health and aging.
Mentors: Matthew Campen, PhD; Shahani Noor, PhD, Julie In, PhD, Avis James PhD; Todd Nims, MS

Jaclyn A. Rivas, PhD Candidate
Internal Medicine
T32 Scholar, NIGMS
The pathogenic role of the colonic epithelium in the etiology of metabolic diseases
Mentor: Eliseo F. Castillo, PhD

Jay Salinas, PhD Candidate
Internal Medicine
T32 Scholar, NIGMS
Cellular and molecular biology, immunology, virology, cancer biology.
Mentor: Jingyue Cassano, PhD

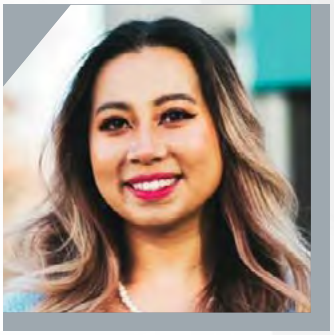
Andrew Skidmore, PhD
Internal Medicine
Postdoctoral Fellow, ASERT, NIGMS
Elucidating whether the deer mouse microbiome could influence the transmission of Sin Nombre hantavirus virus to humans. Surveillance of hantaviruses and other viruses in wild rodents.
Mentors: Steven Bradfute, PhD; Joseph Cook, PhD; Todd Nims, MS

Megan Tuineau, PhD Candidate
Cell Biology & Physiology
T32 Scholar, NHLBI
Determining the mechanisms and effects of altered subcellular localization of acid-sensing ion channel 1a in pulmonary arterial smooth muscle cells from rodent models of chronic hypoxia-induced pulmonary hypertension.
Mentor: Nikki Jernigan, PhD

Taylor W. Uselman, PhD Candidate
Pathology
F99/K00 Scholar, NINDS
Development and deployment of neuroimaging and neuromodulation technologies combined with advanced analytical techniques to both map and modulate brain states in health and disease.
Mentor: Elaine L. Bearer, MD, PhD

Miriam Vélez-Bermúdez, PhD, MPH
Internal Medicine
T32 Scholar, NHLBI
Addressing health equity and psychosocial issues across the kidney care continuum among patients with kidney disease.
Mentor: Larissa Myaskovsky, PhD

Jordan Weisend, PhD
Neurosciences
T32 Scholar, NHLBI
Mechanisms of injury and adaptive plasticity of neuronal tissue following spreading depolarization.
Mentor: C. William Shuttleworth, PhD



Gaokhia Yang, PhD Candidate
Neurosciences
T32 Scholar, NIGMS
Neurosciences, with a focus on synaptic plasticity in learning and memory
Mentor: Samuel McKenzie, PhD

Sydnee Yazzie, PhD Candidate
Nursing
T32 Scholar NIGMS
Systemic inflammatory responses to woodsmoke exposure and possible role of ovarian hormones in mediating responses.
Mentor: Katherine Zychowski, PhD

EXCELLENCE IN RESEARCH AWARDS 2024

Six University of New Mexico Health Sciences faculty members were honored on Nov. 5, 2024, with UNM's 16th annual Excellence in Research Awards.

The scientists received the awards in a ceremony held at the Domenici Center for Health Sciences Education. Each was nominated by their peers, said Hengameh Raissy, PharmD, Interim Vice President for Research, Health Sciences.

"These awards highlight the crucial role of research in advancing science and nurturing the next generation of scientists," Raissy said. "They enable us to honor individuals across the entire research spectrum, from basic and pre-clinical studies to clinical trials, population science and implementation."

The awards were presented in six categories.

Chuck Wiggins, PhD

Internal Medicine, *Population Science*

Chuck Wiggins, PhD, a tenured professor in the Division of Epidemiology, Biostatistics & Preventive Medicine in the Department of Internal Medicine, received the Population Science Research award. Over more than 40 years, he has developed a strong record of advancing knowledge in cancer epidemiology, particularly among New Mexico's Hispanic and American Indian populations. He is a key resource for the UNM Comprehensive Cancer Center and groups focused on cancer registries and cancer epidemiology.

Nancy Kanagy, PhD

Cell Biology & Physiology, *Team Science*

Nancy Kanagy, PhD, professor and chair of the Department of Cell Biology & Physiology, received the Team Science award. Her work focuses on the role of endogenous hydrogen sulfide (H2S) in endothelial cell signaling in health and disease. Her team discovered the novel pathway by which H2S causes vascular dilation through autocrine actions in the endothelium by activating TRPV4 channels linked to a poorly understood pathway of endothelial large conductance-Ca2+ activated potassium channels (BKCa).

Changjian (Jim) Feng, PhD

College of Pharmacy, *Basic Science*

Changjian (Jim) Feng, PhD, professor and assistant dean for Research in the College of Pharmacy, received the Basic Science Research award. He studies the biophysical mechanisms underlying the function of nitric oxide synthase, a major protein in cardiovascular and neurological disease research. He aims to develop a collective knowledge of multidomain proteins by applying novel biophysical and computational tools to decipher fundamental principles underlying many reactions catalyzed by these enzymes.

Changjian (Jim) Feng, PhD, Alison Kell, PhD, Nancy Kanagy, PhD, Donald Godwin, PhD, Ursa Brown-Glaberman, MD

Ursa Brown-Glaberman, MD

Internal Medicine, *Clinical Science*

Ursa Brown-Glaberman, MD, an associate professor and vice chief for Faculty Development in the Division of Hematology/Oncology, Department of Internal Medicine, received the Clinical Science award. She provides clinical care to breast and gastrointestinal cancer patients and cancer genomic sequencing for American Indian patients, leading to greater access to clinical trial and research. Since joining UNM in 2013, she has accrued 725 individual patients to clinical trials, including 431 to NCI-funded NCTN trials.

Donald Godwin, PhD

College of Pharmacy, *Scholarship of Teaching and Learning*

Donald Godwin, PhD, professor and dean of the UNM College of Pharmacy, received the Scholarship of Teaching and Learning award. His extensive contributions to educational scholarship reflect a lasting commitment to improving teaching and learning in pharmacy education. He has been instrumental in the development and implementation of noteworthy educational programs. He spearheaded the “Diversifying the Healthcare Pipeline” project, which focuses on increasing awareness, recruitment and retention of diverse student populations in the pharmacy profession.

Alison Kell, PhD

Molecular Genetics & Microbiology, *Junior Faculty*

Alison Kell, PhD, assistant professor in the Department of Molecular Genetics & Microbiology, received the Junior Faculty Research award. She studies the molecular interactions driving hantavirus pathogenesis in humans, investigating the virus-host interactions in human and reservoir host cells associated with innate immune activation, endothelial cell dysfunction and vascular inflammation. She has demonstrated that hantavirus infection within the natural rodent reservoir host does not elicit innate immune activation, in contrast to hantavirus infections in humans.

RESEARCH 2024 CENTER LISTING

University of New Mexico Health Sciences research centers and institutes play a prominent role in many critical national networks. We thank the directors, faculty, staff and students who enrich the work of these groups. These entities include a range of research cores and shared facilities. Here's an overview:

Extramurally Funded Centers & Institutes

UNM Clinical & Translational Science Center (NIH, ULTR001449, Pandhi/Campen)

UNM Comprehensive Cancer Center (NIH, P30CA118100, Sanchez)

The New Mexico Integrative Science Program Incorporating Research in Environmental Sciences Center (NM-INSPIRES) (NIH, P30ES032755, Blossom)

Autophagy, Inflammation & Metabolism Center (NIH/COBRE, P20GM121176, Deretic)

Center for Brain Recovery & Repair (NIH/COBRE, P20GM109089, Shuttleworth)

New Mexico Alcohol Research Center (NIH, P50AA022534, Valenzuela)

Transdisciplinary Research, Engagement & Equity Center for Advancing Behavioral Health (NIH, U54MD004811, Cacari-Stone/Cruz/Verney)

Center for Metals in Biology & Medicine (NIH/COBRE, P20GM120422, Campen)

Center for Native American Environmental Health Equity Research (NIH P50MD015706, MacKenzie/Hoover/Lewis)

Metal Exposure Toxicity Assessment on Tribal Lands in the Southwest Superfund Research Center (NIH P42ES025589, Cerrato)

New Mexico Alzheimer's Disease Research Center (NIH P30AG086404, Rosenberg)

Center for Development & Disability (various sponsors, Moriarta)

Understanding Risk Gradients from Environment of Native American Child Heath Trajectories: Toxicants, Immunomodulation, Metabolic Syndromes, & Metal Exposure (NIH, UG3OD023344, MacKenzie/Lewis)

HEALthy Brain and Child Development National Consortium (NIH, U01DA055359, Bakhireva/Leeman)

Surveillance Epidemiology & End Results Program (NCI/SEER, 261201800141, Wiggins)

Prevention Research Center (CDC, U48DP006379, Davis)

IDeA State Pediatric Clinical Trials Network (NIH, UG1OD024947-03, Raissy/Kong)

Project ECHO (various sponsors, Arora)

NIDA Clinical Trials Network, Southwest Node (NIH, UG1DA049468, Page)

Knowledge Management Center for Illuminating the Druggable Genome (NIH, U24CA224370, Edwards)

Community Oncology Research Program (NCORP) Minority/Underserved Community Sites (NIH, UG1CA189856, Muller)

Eunice Kennedy Shriver NICHD Cooperative Multicenter Neonatal Research Network (NIH, UG1HD053089, Fuller)

Southwestern Stroke Alliance Regional Coordinating Center (U24NS135280, Girotra/Torbey)

Advancing Clinical Research in Ovarian Cancer (DOD, HT9425-24-1-0547, Adams)

Other Centers, Institutes & Networks

Center for Accelerating Dissemination & Implementation Science (Adsul)

Center for Infectious Disease & Immunity (Wu)

Center for Disaster Medicine (Banks)

Institute for Ethics (Bolton)

Center for Forensic Imaging (Adolphi)

Center for Global Health (Perkins)

Center for HPV Prevention (Wheeler)

Center for Memory & Aging (Rosenberg)

Center for Molecular Discovery (Buranda)

Center for Native American Health (Parker)

Institute for Resilience, Health & Justice (Girardet)

Center for Health Equity & Preparedness (Couig)

Center for Healthcare Equity in Kidney Disease (Myaskovsky)

Center for Participatory Research (Wallerstein)

Center of Excellence for Orthopedic Surgery & Rehabilitation (Schenck)

Substance Use Research & Education Center (Bakhireva)

Diabetes Prevention & Outcomes Center (Schade)

Epidemiology & Prevention Interdisciplinary Center for Sexually Transmitted Infections (Wheeler)

Center for Innovation in Health & Education (Frank)

Kidney Institute of New Mexico (Wagner)

Signature Research Programs

Brain & Behavioral Health Institute (Bakhireva & Bhaskar)

Cardiovascular & Metabolic Disease (Liu)

Child Health Research (Girardet)

Environmental Health Sciences (Campen)

Infectious Disease & Immunity (Cannon)

Contracts & Grants 2024

OFFICE OF THE VICE PRESIDENT, HEALTH SCIENCES RESEARCH

Ryan Cangiolosi
Small Business Administration
Growth Accelerator Fund Competition $50,000

Small Business Administration
Growth Accelerator Fund Competition - Continuation $150,000

Melissa Ivers
N.M. Department of Health
DOH Physician, PA and/or NP Services at Turquoise Lodge $40,000

N.M. Department of Health
PA and/or NP Services at DOH NMBHI FY24 $128,000

Hengameh Raissy
UNM Foundation
FY24 Private Gifts for Research (7/1/23 - 5/31/24) $1,649,415

HEALTH SCIENCES OFFICE OF RESEARCH

Hengameh Raissy
Bureau of Health Resources Development
UNM HSC MRI Equipment $3,000,000

N,M. Higher Education Department
Q1/Q2 Award Cycle: Technology Enhancement Funds $2,939,243

Animal Resource Facility

Tara Konecny
New Mexico VA Health Care System
Veterinary Services for the N.M. Veterans Affairs Health Care System $36,475

Center for Healthcare Equity in Kidney Disease

Larissa Myaskovsky
Dialysis Clinic, Inc.
Comparing Kidney Transplantation Outcomes in Undocumented Immigrants and U.S. Citizens - Continuation $48,976

University of Colorado
NAVIGATE Kidney: A Multi-Level Intervention to Reduce Kidney Health Disparities $315,557

University of Nevada, Las Vegas
Rural Early Pregnancy - Epidemiology of Complications $304,506

Center for Infectious Diseases & Immunity

Michelle Ozbun
National Institute of Allergy and Infectious Diseases
Biology of Infectious Disease and Inflammation - Continuation $299,398

Terry Wu
Advanced Technology International
MOD 12 Nanolipoprotein Particle-Based Subunit Vaccine Against Pneumonic Tularemia - Non-Specific Supplement $939,566

Lawrence Livermore National Laboratory
LLNL STNI-17-TA1-1-0042 - Non-SpecF432:F433ific Supplement Mod 7 $30,000

Lawrence Livermore National Laboratory
LLNL STNI-17-TA1-1-0042 - Non-Specific Supplement MOD 6 $20,000

Lawrence Livermore National Laboratory
LLNL STNI-17-TA1-1-0042 - Non-Specific Supplement Mod 8 $60,000

Lawrence Livermore National Laboratory
STNI-17-TA1-1-0042 Modification 4 $65,000

Center for Memory & Aging

Gary Rosenberg
National Institute of Neurological Disorders and Stroke
Validation of Biomarkers of Small Vessel Injury in VCID - Continuation $3,816,462

National Institute on Aging
New Mexico Alzheimer's Disease Research Center $4,422,177

University of Washington
National Alzheimer's Coordinating Center $800

University of Washington
National Alzheimer's Coordinating Center - Continuation $1,600

Rawan Tarawneh
Lovelace Biomedical & Environmental Research Institute
Swine Samples/Porcine Project $14,000

National Institute on Aging
Elucidating Endothelial Injury in Alzheimer Disease $2,140,130

Center for Telehealth

Robert Sapien
Union County General Hospital
Child Ready Telehealth $25,000

HEALTH SCIENCES LIBRARY & INFORMATICS CENTER

Deirdre Caparoso
South Central Academic Medical Libraries Consortium
Using the MISO Survey at HSLIC $4,999

University of Utah, Spencer E. Eccles Health Sciences Library
Connecting Underserved Communities to Health Sciences Resources Via Public Libraries *$9,234*

Laura Hall
University of Utah Spencer E. Eccles Health Sciences Library
Native Health Database Community Engagement Studios *$41,029*

Melissa Rethlefsen
Oak Ridge Associated Universities
All of Us Data Training & Engagement for Academic Libraries *$55,000*

CLINICAL & TRANSLATIONAL SCIENCE CENTER

Abinash Achrekar
Northwestern University
REACT-AF *$29,876*

Justin Baca
Los Alamos National Laboratory
DTRA/LANL - The Human Breath Baseline: a Keystone for Breath Biomarker Studies - Continuation 5 *$62,000*

Los Alamos National Laboratory
DTRA/LANL - The Human Breath Baseline: a Keystone for Breath Biomarker Studies - Continuation Y4 *$107,721*

TriCore Reference Laboratories
T.O. # 37 Ventura Prototypes/Tricore - Specific Supplement *$3,200*

Lisa Cacari-Stone
Westat
WEAVE NM 3.0 *$1,182,797*

Westat
WEAVE NM 4.0 *$1,400,000*

Judy Cannon
National Center for Advancing Translational Sciences
HSC Clinical & Translational Science Center KL2 2020-2025 - Continuation Yr 5 *$394,876*

Eliseo Castillo
National Institute of Environmental Health Sciences
Defining the Harmful Effects of Microplastics on Gastrointestinal Health - Continuation *$370,181*

National Institute of Environmental Health Sciences
Defining the Harmful Effects of Microplastics on Gastrointestinal Health - Continuation Y3 *$370,181*

National Institute of Environmental Health Sciences
Diversity Supplement - Castillo R01 *$63,601*

Kathryn Frietze
National Institute of Allergy and Infectious Diseases
Bacteriophage Virus-Like Particle Vaccines for Chlamydia Trachomatis Urogenital Infection - Continuation *$344,805*

National Institute of Allergy and Infectious Diseases
Bacteriophage Virus-Like Particle Vaccines for Chlamydia Trachomatis Urogenital Infection - Non-Specific Supplement *$38,312*

Michelle Harkins
Vanderbilt University Medical Center
PEER (ACTIV 4d RAAS) - Executive Committee Continuation 3 *$21,025*

Alberta Kong
University of Arkansas
Protocol Chair Dr. Kong for the Obesity Study (Previously Phentermine) - Year 3 *$31,837*

Jongwon Lee
University of Nevada, Las Vegas
CTR-IN: COVID19-driven Anti - Asian Racism *$66,000*

Jessie Maxwell
University of Arkansas
DCOC Leadership Committee - Maxwell - YEAR 3 *$25,798*

University of Arkansas
Junior Pilot Studies - ISPCTN - INTACT - CYCLE 3 YEAR 4 *$42,448*

Nancy Pandhi
National Center for Advancing Translational Sciences
HSC Clinical & Translational Science Center UL1 2020-2025 - Continuation Y5 *$4,118,800*

University of Nevada, Las Vegas
Institutional Development Award Program Infrastructure for Clinical and Translational Research: BERD - Continuation *$24,838*

University of Nevada, Las Vegas
Institutional Development Award Program Infrastructure for Clinical and Translational Research: CEO - Continuation *$23,426*

University of Nevada, Las Vegas
Institutional Development Award Program Infrastructure for Clinical and Translational Research: PDC - Continuation *$156,903*

University of Nevada, Las Vegas
Institutional Development Award Program Infrastructure for Clinical and Translational Research: T & E - Continuation *$51,176*

Eric Prossnitz
New Mexico Start-Up Factory
Year 2: Development of an Educational Product for Accelerating Solutions for Commercialization and Entrepreneurial Development in Western IDeA States - Continuation *$63,089*

Hengameh Raissy
Eunice Kennedy Shriver National Institute of Child Health and Human Development
UNM Pediatric Clinical Trials Center in IDeA States Pediatric Clinical Trials - Continuation *$416,580*

University of Arkansas
MoVeUP APP (Quantitative) Study - Continuation YR3 *$15,250*

Kristin Raschke
University of Arkansas
BREATHE Study - Continuation *$47,072*

University of Arkansas
BREATHE Study: Bronchitis Recovery and the Use of High Efficiency Particle Air Filters - Non-Specific Supplement *$17,358*

Rawan Tarawneh
Columbia University
MAP - Cost Reimbursement *$18,968*

Columbia University
MAP - Fixed Cost Agreement *$209,688*

Yuri Yoshida
University of Nevada, Las Vegas
REP-EC Examining Socioeconomic Disparities in Functional Outcomes *$18,956*

COLLEGE OF NURSING

Katherine Zychowski Bufford
National Institute of Environmental Health Sciences
Systemic Implications and Novel Mechanisms of Circulating Extracellular Vesicles Following Inhaled Exposures *$517,288*

Christine Cogil
Bureau of Health Workforce
Advanced Nursing Education Workforce - Continuation *$646,605*

Mary Couig
U.S. Department of Veterans Affairs
Nurses on the Frontline Caring for Patients With COVID-19: Lived Experiences (Couig-IPA) - Continuation *$30,383*

Katie Kivlighan
Blue Cross Blue Shield of New Mexico
Building Workforce Capacity: A Doula Residency Program *$209,503*

University of Massachusetts
Mammary Epithelium Permeability, Lactation Outcomes and Infant Health *$219,076*

Roberta Lavin
U.S. Department of Veterans Affairs
Nurses on the Frontline Caring for Patients With COVID-19: Lived Experiences (Lavin-IPA) - Continuation *$49,080*

Felina Ortiz
Bureau of Health Workforce
Advancing Midwifery Outcomes and Resiliency *$1,000,000*

W.K. Kellogg Foundation
UNM Midwifery Pathway for Birthworkers *$400,000*

Stephen Roper
City of Albuquerque
Geriatric Education and Health Maintenance & HUD Expansion *$192,000*

Gina Rowe
University of Cincinnati
Eliminating Structural Racism in Nursing Academia: a Systems Change Approach to Anti- Racist *$2,500*

Patricia Watts-Kelley
University of Colorado
A Delphi Study to Identify Military Unique Competencies for Combat Palliative and End-of-Life Care *$3,480*

COLLEGE OF PHARMACY

Ludmila Bakhireva
National Institutes of Health
HBCD Study Biospecimens Administrative Supplement: Resource Generation for Delivery Specimens *$274,460*

University of California, San Diego
HBCD Peer Navigator *$47,374*

Amanda Barkley-Levenson
National Institute on Alcohol Abuse and Alcoholism
Identification and Characterization of Novel Genetic Mechanisms in Alcohol Use Disorder and Excessive Drinking *$245,716*

Sarah Blossom
Columbia University
Developmental Exposures to Arsenic: Pneumonia, Immunity and Microbiomes Supplement *$196,676*

Columbia University
Developmental Exposures to Arsenic: Pneumonia, Immunity, and Microbiomes *$187,165*

Columbia University
Developmental Exposures to Arsenic: Pneumonia, Immunity, and Microbiomes *$181,509*

National Institute of Environmental Health Sciences
New Mexico Integrative Science Program Incorporating Research in Environmental Sciences - Continuation *$1,297,636*

National Institutes of Health
Epigenetic Modulation of CD4 + T Cell Differentiation and Autoimmunity by Trichloroethylene *$227,064*

Matthew Campen
Eunice Kennedy Shriver National Institute of Child Health and Human Development
Influence of Dietary Lipids on Gestational Outcomes of Ozone Exposure *$17,856*

National Institute of Environmental Health Sciences
Contaminant Metal Content in Wildfire Smoke and Neuroinflammation *$592,021*

National Institute of Environmental Health Sciences
Mechanisms of Vascular Toxicity From Inhaled Toxicants *$324,648*

National Institute on Aging
Acceleration of Circulatory and Neurological Aging Due to Wildfire Exposures *$671,696*

National Institute on Aging
Acceleration of Circulatory and Neurological Aging Due to Wildfire Exposures - Non-Specific Supplement *$74,632*

PhRMA Foundation
Exploring Chylomicron-Mediated Microplastic Translocation to the Placenta: Implications for Maternal and Fetal Health *$120,000*

Jose Cerrato
National Institute of Environmental Health Sciences
UNM Metal Exposure Toxicity Assessment on Tribal Lands in the Southwest Superfund Research Program *$1,930,318*

Melanie Dodd
First Choice Community Healthcare
Pharmacist Consultant Agreement *$448,856*

First Nations Community Healthsource, Inc.
First Nations Community Healthsource, Inc. *$50,000*

Esther Erdei
Albuquerque Area Indian Health Board, Inc.
Indigenous Healthy Homes and Healthy Communities: A Community-Led Initiative to Improve Health and Support Indigenous Resilience in the U.S. Southwest *$975,967*

Keya Foundation
Cheyenne River Sioux Tribal Community Exposures to Metals in the Air *$15,834*

Massachusetts Institute of Technology
Short Courses for Teaching Gene-Environment Interactions With a Focus on Environmental Justice Communities *$37,800*

Missouri Breaks Industries Research, Inc.
Factors Influencing Pediatric Asthma (FIPA2) Study *$193,950*

Missouri Breaks Industries Research, Inc.
Factors Influencing Pediatric Asthma Study *$214,917*

National Institutes of Health
Shared Lived Experiences of Uranium-Exposed Communities – a Global Discussion Conference *$20,000*

NYU Langone Health
Research to Action: Assessing and Addressing Community Exposures to Environmental Contaminants Under the Leadership of NYU Department of Environmental Medicine - Non-Specific Supplement *$13,351*

Linda Felton
U.S. Department of Veterans Affairs
Formulation and Batch Records for the VA Medical Center in Albuquerque, N.M. *$90,841*

U.S. Department of Veterans Affairs
Formulation and Batch Records for the VA Medical Center in Albuquerque, New Mexico - Specific Supplement *$3,741*

Laurie Hudson
National Institute of Environmental Health Sciences
Mutational Signatures of a Combined Environmental Exposure: Arsenic and Ultraviolet Radiation *$495,601*

Joseph Lambson
Denver Health and Hospital Authority
Researched Abuse, Diversion and Addiction-Related Surveillance System Work Order #19 *$12,500*

Health Resources and Services Administration
Poison Center Stabilization and Enhancement Program *$153,546*

N.M. Department of Health
COVID-19 Coronavirus All Hazards Line *$38,500*

Debra MacKenzie
National Institutes of Health
Center for Native American Environmental Health Equity Research *$1,220,969*

National Institutes of Health
Understanding Risk Gradients From Environment on Native American Child Health Trajectories: Toxicants, Immunomodulation, Metabolic Syndromes & Metals Exposure - Continuation *$4,413,294*

National Institutes of Health
Understanding Risk Gradients From Environment on Native American Child Health Trajectories: Toxicants, Immunomodulation, Metabolic Syndromes, & Metals Exposure *$4,489,419*

Sara Nozadi
Youth Development, Inc.
Intervention Program Evaluation *$40,000*

Azizi Ray
The Miriam Hospital
Implementation of Pharmacist-Driven Long-Acting ART Program in HIV Clinics in Arkansas *$6,864*

University of Arkansas
Developing and Testing Innovative Care Pathways for Screening and Treatment of OUD/PTSD in Jails *$46,394*

Krystal Ward
Bureau of Health Workforce
Health Professions Student Loans, Including Primary Care Loans/loans for Disadvantaged Students *$1,600,000*

COLLEGE OF POPULATION HEALTH

Lorenda Belone
National Institute on Minority Health and Health Disparities
Family Listening Program CBPR Culturally Centered Implementation Project *$662,026*

Kathryn Coakley
New Mexico Farmers' Marketing Association
N.M.-Grown Meat Pilot Evaluation *$20,000*

Tracie Collins
N.M. Higher Education Department
School of Public Health *$2,500,000*

Elizabeth Dickson
The Rita and Alex Hillman Foundation
Advancing School Health Delivery Through Youth Engagement for Health Equity *$50,000*

University of California, Davis
Advancing Sexual Health Education Through Youth Engagement for Health Equity *$500,000*

Amber Dukes
N.M. Human Services Department
GSA Center for Health Policy-HSD *$36,500*

Robert Frank
N.M. Human Services Department
Mobile Crisis Response Teams - Specific Supplement *$1,428,200*

N.M. Human Services Department
The New Mexico Center for Health Policy - Continuation *$1,177,565*

N.M. Human Services Department
The New Mexico Center for Health Policy - Specific Supplement *$463,945*

Elise Jaramillo
National Institute on Minority Health and Health Disparities
Place-Based Strengths and Vulnerabilities for Mental Wellness *$207,115*

National Institute on Minority Health and Health Disparities
Place-Based Strengths and Vulnerabilities for Mental Wellness - Non-Specific Supplement *$39,345*

Carmella Kahn
Northwest Portland Area Indian Health Board
Entrepreneurship and Innovation to Support Elders *$4,881*

Laura Nervi
CRDF Global- Civilian Research and Development Foundation
SyNC Regional Facilitator and Implementation Research *$104,250*

Alexis O'Donnell
TerraXplorations, Inc
Bridges Cemetery Project *$25,000*

Rebecca Rae
New Mexico Community Capital
The Future Is Indigenous Women - Continuation *$70,000*

New Mexico Community Capital
The Future Is Indigenous Women - Continuation *$70,000*

Santa Clara Pueblo
Khapo Owingeh RezRIDERS *$125,076*

Shannon Sanchez-Youngman
Drexel University
Advancing Health Equity Through Innovative Community Capacity Building, Data Science & Delivering Community-Centered Structural Interventions & Outcomes: Drexel's ComPASS Coordinating Center *$370,195*

Francisco Soto Mas
Bernalillo County
GTG Evaluation *$30,000*

Thornburg Foundation
Inventory and Evaluation of Farmer and Rancher Training Programs in New Mexico Phase 1 *$50,000*

Noell (Sue) Stone
Tulane University
ACA - Public Health Training Centers - Continuation *$10,000*

Elizabeth Yakes Jimenez
Academy of Nutrition and Dietetics
Essential Connections: Improved Referrals From Hospital to Community Meal Provision *$95,000*

Academy of Nutrition and Dietetics
Research Technical Assistance - PSA Specific Supplement With Ming Ji *$12,000*

Academy of Nutrition and Dietetics
Research Technical Assistance-PSA *$20,000*

SCHOOL OF MEDICINE

Anesthesiology & Critical Care Medicine

Sascha Alles
UNM Rainforest Innovations
Chronic Pain Stem Cells and Personalized Drug Screening *$25,000*

V.A. Office of Research and Development
CIPN Immunotherapy Subaward *$39,838*

Biochemistry & Molecular Biology

Meilian Liu
National Institute of Diabetes and Digestive and Kidney Diseases
Transcriptional Control of Low-Thermogenic Adipocyte Formation and Function *$332,856*

National Institute of Diabetes and Digestive and Kidney Diseases
Transcriptional Control of Low-Thermogenic Adipocyte Formation and Function - Non-Specific Supplement *$22,190*

Vallabh Shah
George Washington University
DPPOS-4 AD/ADRD Project - Continuation *$393,307*

National Institute on Minority Health and Health Disparities
Standing Strong in Tribal Communities: Addressing Elder Falls Disparity - Continuation *$524,294*

Nathan Zaidman
National Institute of Diabetes and Digestive and Kidney Diseases
Gpr116 Regulation of Renal Acid Excretion - Continuation *$249,000*

National Institute of Diabetes and Digestive and Kidney Diseases
Gpr116 Regulation of Renal Acid Excretion - Non-Specific Supplement *$14,941*

Nancy Kanagy
National Institute of General Medical Sciences
IMSD @ UNM HSC 2021 Cell Biology & Physiology *$698,693*

Amy Gardiner
National Institute on Alcohol Abuse and Alcoholism
Molecular Targeting of the Cerebrovasculature During Prenatal Alcohol Exposure *$336,510*

Nikki Jernigan
American Heart Association
Contributions of Altered Subcellular Localization of Acid-Sensing Ion Channel 1a to Pulmonary Hypertension *$67,388*

Vijay Naik
National Heart, Lung and Blood Institute
Regulation of H2s Signaling in Vascular Function - RPPR Continuation *$524,216*

Sara G.M. Piccirillo
NICO Corporation
The Identification of Molecular Biomarkers in the Microenvironment of Glioblastoma Residual Disease *$50,450*

Thomas Resta
National Heart, Lung, and Blood Institute
2023 RPPR - Minority Institutional Research Training Program (T32) - Continuation *$342,790*

National Heart, Lung, and Blood Institute
Oxidant Signaling in Pulmonary Hypertension *$586,151*

Comprehensive Cancer Center

Sarah Adams
Defense Health Program
Advancing Clinical Research in Ovarian Cancer *$1,439,093*

National Cancer Institute
Mechanisms of Selective Therapeutic Synergy of PARP-Inhibition and CTLA4 Blockade Engaged by Interferon-Gamma in the Ovarian Tumor Microenvironment *$316,716*

New Mexico Cancer Care Alliance
Clinical Trial Subaward - Phase 1&2 - Continuation *$167,128*

Prajakta Adsul
Mayo Foundation for Medical Education and Research
Evaluation of Community-Engaged Research Efforts at Mayo Clinic CTSA *$41,464*

Mayo Foundation for Medical Education and Research
Evaluation of Community-Engaged Research Efforts at Mayo Clinic CTSA *$43,466*

N.M. Department of Health & Human Services
Cancer Prevention and Control Program for N.M. *$26,500*

University of Texas at Austin
Investigating Facilitator-Driven, Multi-Level Implementation Strategies in Federally Qualified Health Centers to Improve Provider Recommendation and HPV Vaccination Rates Among Latino/a Adolescents *$26,264*

Eric Bartee
National Cancer Institute
Impact of TNF on Oncolytic Virotherapy *$438,164*

Marianne Berwick
University of North Carolina
Identification of Lethal Melanomas at the Time of Diagnosis (Resub) *$64,401*

University of North Carolina
Identification of Lethal Melanomas at the Time of Diagnosis (Resub) - Continuation *$96,016*

Ursa Brown-Glaberman
N.M. Cancer Research Alliance
Clinical Trial Phase N/a *$182,495*

Shashank Cingam
N.M. Cancer Research Alliance
Clinical Trial Phase 2 *$188,895*

N.M. Cancer Research Alliance
Clinical Trial Phase 3 *$185,695*

Pfizer, Inc.
Collaborative Outreach and Education for Management of Bi-Specific Antibody Treatment Side Effects in Relapsed/ Refractory Multiple Myeloma *$81,004*

Zoneddy Dayao
American Cancer Society
Lodging Plan for UNM Comprehensive Cancer Center - 2024/2025 *$25,000*

American Cancer Society
Transportation Plan for UNM Comprehensive Cancer Center 2023/2024 - Specific Supplement *$3,000*

American Cancer Society
Transportation Plan for UNM Comprehensive Cancer Center 2024/2025 *$25,000*

N.M. Department of Health
Development and Delivery of Cancer Survivorship Cancer Plans *$26,000*

Hua-Ying Fan
National Cancer Institute
Repurposing Auranofin As a Novel Notch Pathway Inhibitor for Combinational Ovarian Cancer Therapy *$213,881*

U.S. Army Medical Research Acquisition Activity
Improve Targeted Ovarian Cancer Therapy Using the Novel Notch Pathway Inhibitor Auranofin *$915,000*

Matthew Fero
N.M. Cancer Research Alliance
Clinical Trial Phase 1/2 *$185,695*

N.M. Cancer Research Alliance
Clinical Trial Phase N/a *$98,655*

Charles Foucar
N.M. Cancer Research Alliance
Clinical Trial Phase 2 *$191,455*

Jennifer Gillette
National Cancer Institute
University of New Mexico's CURE for Cancer *$273,246*

Dolores Guest
National Institutes of Health
Southwest Transformative Educational Advancement and Mentoring Network *$412,791*

Richard Harvey
Public Health Institute
Clinical Trial Agreement - Continuation *$53,549*

Neda Hashemi
N.M. Cancer Research Alliance
Clinical Trial Phase 2 *$188,255*

Atul Kumar
N.M. Cancer Research Alliance
Clinical Trial Phase 2/3 *$188,895*

N.M. Cancer Research Alliance
Clinical Trial Phase 2/3 *$188,895*

N.M. Cancer Research Alliance
Clinical Trial Phase 3 *$188,895*

N.M. Cancer Research Alliance
Clinical Trial Phase 3 *$188,895*

Shuguang Leng
National Heart, Lung, and Blood Institute
Lung Deposition Dose of Black Carbon in Blacks and Whites *$114,375*

National Institute of Environmental Health Sciences
Impact of Macrophage Carbon Load and Epigenetic Aging on Lung Function Decline and Mortality *$747,121*

Kimberly Leslie
U.S. Army Medical Research Acquisition Activity
Progestin Therapy for Endometrial Cancer *$1,070,517*

Washington University
Washington University Route 66 Endometrial Cancer SPORE *$287,878*

Washington University
Washington University Route 66 Endometrial Cancer SPORE-Pilot Projects *$49,562*

Erika Maestas
N.M. Cancer Research Alliance
Clinical Trial Phase 2 *$188,895*

Peng Mao
National Cancer Institute
Mechanism of Transcription-Coupled DNA Repair and Its Impact on Cancer Mutations *$289,461*

National Cancer Institute
Mechanism of Transcription-Coupled DNA Repair and Its Impact on Cancer Mutations - Non-Specific Supplement *$16,080*

University of California, San Francisco
The Mutational Mechanisms Shaping Melanocytes in Human Skin *$46,395*

Washington State University
Identifying Recurrent Driver Mutations in Skin Cancers by Targeted UV Damage Sequencing *$38,125*

Martha Mapalo
N.M. Cancer Research Alliance
Clinical Trial Phase 3 *$188,930*

Dario Marchetti
National Cancer Institute
Mechanisms of Melanoma Brain Metastasis by CTCs Isolated From Patients' Blood - Non-Specific Supplement *$8,500*

National Cancer Institute
Mechanisms of Melanoma Brain Metastasis by CTCs Isolated From Patients' Blood and CSF *$153,000*

Colleen McCormick
N.M. Cancer Research Alliance
Clinical Trial Phase 2 *$158,495*

N.M. Cancer Research Alliance
Clinical Trial Phase 3 *$182,495*

Shiraz Mishra
National Cancer Institute
Cancer Research - Scholarship and Training Experiences in Population Sciences $172,999

Carolyn Muller
N.M. Cancer Research Alliance
Clinical Trial Phase 2 $188,895

National Cancer Institute
NCORP - Continuation $1,588,186

Jacklyn Nemunaitis
N.M. Cancer Research Alliance
Clinical Trial Phase 3 $165,440

Scott Ness
National Cancer Institute
Lab Automation for a Genomics Shared Resource $68,012

Viswanathan Palanisamy
National Cancer Institute
Targeting of RNA-Binding Protein FXR1 in HNSCC $419,375

National Institute of Dental and Craniofacial Research
Intersections of RNA-Binding Proteins and T-Cells $453,000

National Institute of Dental and Craniofacial Research
Intersections of RNA-Binding Proteins and T-Cells - Continuation $441,308

National Institute of Dental and Craniofacial Research
Mutations and Target Genes in Adenoid Cystic Carcinoma - Continuation $393,714

National Institute of Dental and Craniofacial Research
Mutations and Target Genes in Adenoid Cystic Carcinoma - Non-Specific Supplement $34,996

Eric Prossnitz
National Cancer Institute
GPER & Breast Carcinogenesis (3) - Continuation $191,101

National Cancer Institute
Molecular Mechanisms and Applications of Novel ER/GPER-Selective Ligands - Continuation $502,165

National Cancer Institute
Role of GPER in Obesity and Lipid Metabolism - Continuation $45,574

Avinash Sahu
American Association of Immunologists
The AAI Intersect Fellowship Program for Computational Scientists and Immunologists $56,484

National Cancer Institute
Identifying Drug Synergistic With Cancer Immunotherapy $249,000

Yolanda Sanchez
National Cancer Institute
Dissemination of a Colorectal Cancer Screening Program Across American Indian Communities in the Southern Plains and Southwest United States $326,328

National Cancer Institute
University of New Mexico Cancer Center Support Grant $2,300,943

Oregon Health & Science University
Florescence-Guided Surgery Using Near Infrared Nerve-Specific Probes for Cranial Nerve Preservation $9,315

Oregon Health & Science University
Florescence-Guided Surgery Using Near Infrared Nerve-Specific Probes for Cranial Nerve Preservation - Continuation $8,227

Rita Serda
National Cancer Institute
Preclinical Efficacy of Allogeneic and Human Silicified Cancer Vaccines $356,469

Andrew Sussman
Klein Buendel
#4corners4health: A Social Media Cancer Prevention Program for Rural Young Adults $157,802

University of Arizona
Ethnicity and Lung Cancer Survival: A Test of the Hispanic Sociocultural Hypothesis $25,490

Alan Tomkinson
Lawrence Berkeley National Laboratory
Structural Cell Biology & Physiology of DNA Repair Machines Project $68,175

National Cancer Institute
Targeting DNA Ligase I in Ovarian Cancer $342,892

National Institute of Environmental Health Sciences
Roles of Lig3 and XRCC1 Genes in Genome Stability $326,549

Moises Harari Turquie
N.M. Cancer Research Alliance
Clinical Trial Phase 2 $185,695

Cosette Wheeler
Global Diagnostics Labs, LLC
Archived Specimen Stability for HPV MRNA Testing $46,200

Charles Wiggins
Dana Farber Cancer Institute
Disparities in Clinical Trial Enrollment Among Adolescents and Young Adults With Cancer $43,386

N.M. Department of Health
For Breast and Cervical Cancer Surveillance $6,330

National Cancer Institute
NCI Patterns of Care Study: Diagnosis Year 2021 $63,204

National Cancer Institute
Surveillance Epidemiology and End Results Program - Continuation $2,739,203

National Cancer Institute
Surveillance Epidemiology and End Results Program - Specific Supplement $219,377

University of Iowa
Development of Small Area Interactive Risk Maps for Cancer Control Efforts - Continuation $30,659

Cheryl Willman
National Cancer Institute
Engagement of American Indians of Southwestern Tribal Nations in Cancer Genome Sequencing - Continuation *$1,278,909*

National Cancer Institute
Engagement of American Indians of Southwestern Tribal Nations in Cancer Genome Sequencing - Diversity Supplement *$144,977*

Dental Medicine

Robin Gatlin
United Concordia Dental Charitable Fund
United Concordia Scholarship *$6,000*

Nathan Boyd
N.M. Higher Education Department
Dentist Training to Treat Pediatric and Developmental Patients *$900,000*

N.M. Higher Education Department
Dentist Training to Treat Pediatric and Developmental Patients *$1,200,000*

Dermatology

John Durkin
Amgen, Inc.
Amgen 20210144-Rocket Shuttle *$198,720*

Amgen, Inc.
Amgen 20210145-rocket-astro *$289,190*

Amgen, Inc.
Amgen 20210158-Rocket Voyager *$225,775*

Parexel International
B7981041 *$73,948*

ECHO Institute

Sanjeev Arora
Bayer Cares Foundation
Bayer - Women and Girls Health Promotion LATAM *$215,394*

Boehringer Ingelheim Pharmaceuticals, Inc.
Miners' Wellness ECHO Program *$200,000*

Bureau of Health Workforce
Creating Cultures of Resiliency for Behavioral Health Providers Through Project ECHO - Continuation YR3 *$492,333*

Bureau of Indian Affairs
Using Project ECHO to Enhance Resilience for OJS Law Enforcement and Corrections Officers - Continuation *$350,000*

Centers for Disease Control and Prevention
Expanding Access to Evidence-Based Diabetes Programs Using Project ECHO - Continuation YR2 *$1,000,000*

Centers for Medicare & Medicaid Services
Minority Research Grant Program 2023 *$333,333*

Con Alma Health Foundation
Building Rural Maternal Health Capacity *$350,000*

Executive Secretary of the Council of Ministers of Health of Central America and the Dominican Republic
Partner Launch Training for Latin American ECHO Partners *$36,320*

Family Health Centers of San Diego
FHCSD Respiratory Viruses in Older Californians ECHO Series *$48,170*

Fidelity Foundations
ECHO for Career and College Counseling Program in New Mexico *$750,000*

GE Healthcare
Expanding Access to Maternal Child Health in Indonesia *$300,000*

Health Resources and Services Administration
South Central AIDS Education and Training Center Program - Supplement Year 5 *$129,212*

Health Resources and Services Administration
South Central AIDS Education and Training Center Program (Round 2) *$4,086,980*

JHPIEGO Corporation
ECHO Support for Global Reach II Activities in Sierra Leone: Y3 Q1 *$28,851*

JHPIEGO Corporation
Global Reach II: Echo Implementation Activities in Zambia *$20,000*

JHPIEGO Corporation
Strengthening Hospital Systems in East Jerusalem *$150,000*

Lourie Center for Children's Social Emotional Wellness
ECHO for Trauma Informed Preschool Support Program - Continuation *$32,079*

Merck Company Foundation
ECHO Partnership With Merck Foundation for Expanding Access to Cancer Care in India, Vietnam, Malaysia and Indonesia *$10,993,634*

N.M. Corrections Department
N.M. Corrections Department Hepatitis C - Continuation *$420,000*

N.M. Corrections Department
NMPEP and CPEP Programs *$8,939,770*

N.M. Department of Health
Environmental Health ECHO Series, Sponsored by the Climate Change and Human Health ECHO *$50,000*

N.M. Department of Health
N.M. DOH Sponsorship of AETC HIV/HCV Conference 2024 *$20,000*

N.M. Early Childhood Education & Care Department
ECHO Collaboration on Early Childhood Education and Care *$3,631,434*

N.M. Public Education Department
Project ECHO and N.M. PED Collaboration on Social Emotional Learning 2023 – 2024 *$100,000*

Northwest Portland Area Indian Health Board
Indian Health Services TeleECHO Clinic Support - Continuation *$152,600*

Office of Rural Health Policy
Expanding Access to Care for Long-Haul COVID Patients in Rural New Mexico - Continuation Year 3 $475,000

PATH
Reaching Every At-Risk Community and Household With Malaria $27,376

PATH
Reaching Every At-Risk Community and Household With Malaria - Continuation $40,000

Patient-Centered Outcomes Research Institute
Improving Outcomes for Patients With Multiple Chronic Conditions Using ECHO $10,738,368

Pfizer, Inc.
ECHO for Diabetes and Metabolic Syndrome in LATAM $400,000

Pfizer, Inc.
Pfizer & Project ECHO Collaboration: Telementoring, Equity & Advocacy Collaboration for Health Through Antimicrobial Stewardship $1,229,150

Pfizer, Inc.
Strengthening Maternal and Child Nutrition in India Using the ECHO Model $400,000

Project & Technology Consulting Services, Inc
ASPR Program Support Services – Clinical Rounds $330,750

Schmidt Futures Foundation
ECHO Partnership With Schmidt Futures Foundation for Improving Global Public Health Capacity $1,020,000

The Task Force for Global Health
CDC Global Action in Healthcare Network Antimicrobial Resistance - Continuation $22,351

The Task Force for Global Health
CDC Global Action in Healthcare Network Antimicrobial Resistance - Specific Supplement $3,528

U.S. Department of the Interior
Climate Action Readiness Equity $2,500

UBS Optimus Foundation
Building CHW Capacity With Project ECHO $314,000

University of Colorado
NMPEP Replication Project $23,000

W.K. Kellogg Foundation
Effective Narratives in the New College Admissions Framework ECHO $200,000

World Health Organization
WHO Advanced HIV Disease Learning Series $24,801

World Health Organization
WHO Advanced HIV Disease Learning Series - Continuation $26,539

World Health Organization
WHO AMR Webinar $11,340

World Health Organization
WHO CNO ECHO Community of Practice $19,738

World Health Organization
World Hand Hygiene Day $12,304

Emergency Medicine

Justin Baca
Abbott Point of Care Inc.
PO2 and Lactate Tests CS-2024-0004 $63,332

Radiometer Medical ApS
Radiometer Adult MC Study - Specific Supplement $67,201

Radiometer Medical ApS
Radiometer Adult MC Study - Specific Supplement #2 $111,677

TOSOH Bioscience, Inc
CL D-Dimer Study $346,752

Laura Banks
N.M. Department of Transportation
Pedestrian Safety Initiative 2023-24 $300,000

Whitney Barrett
Department of the Air Force
Kirtland AFB Medical Direction - Continuation 5 $16,694

Department of the Air Force
Kirtland AFB Medical Direction - Continuation 9 $16,695

Caitlin Bonney
Purdue Pharma L.P.
Purdue Nalmefene v. Naloxone $291,980

Purdue Pharma L.P.
Purdue Nalmefene Vs Naloxone - Non-Specific Supplement $34,264

Darren Braude
American Medical Response Ambulance Service, Inc.
EMS Medical Director $184,800

Eagle Nest Volunteer Ambulance Service
Medical Director - Continuation $3,600

Isleta Pueblo
EMS Medical Director $7,000

Isleta Pueblo
EMS Medical Director $3,000

K&I Field Services
Medical Director - Continuation $13,250

Kindred Hospital
Emergency Medicine Critical Care Services $25,000

New Mexico Community Care
Medical Director $25,000

Quick Draw
Medical Director - Continuation $880

Sandoval County Regional Emergency Communications Center
Medical Director - Continuation $28,368

State of New Mexico
EMTs, Medical Director, Professional Services - Continuation $56,133

Taos County Fire Department
EMS Medical Director - Continuation $36,000

University of Utah
EMS Medical Toxicology Consultation $25,000

Valencia County
Medical Director - Continuation $45,744

Kymmalee Chang
City of Rio Rancho
SWAT Operations and Training $10,000

Cameron Crandall
Yale University
CTN-0099: Emergency Department-Initiated BupreNOrphine VAlidation

Network Trial - Non-Specific Supplement *$44,707*

Ashley Davis
Merck & Company, Inc.
Be Vaxed: Broad Efforts at Vaccination in the ED *$235,684*

Jon Kenneth Femling
Olive View UCLA Medical Center
IDnet MPOX Public Health Monitoring - NCContinuation *$21,350*

Olive View UCLA Medical Center
Project PREVENT II - Continuation 3 *$80,000*

University of California, Los Angeles
EMERGEncy ID NET Study - Continuation *$7,878*

Ashley Gilbert
DCI Donor Services
EMS Medical Director - Continuation *$30,000*

Andrew Harrell
N.M. Public Safety Department
Tactical Emergency Medical Support - Continuation *$366,928*

National Park Service
Grand Canyon Medical Direction Services - Mod 1 *$37,333*

Ryan Huebinger
University of Arizona
ICECAP Subaward *$95,000*

Vanderbilt University Medical Center
STRIVE No.114720 Subcontract *$458,752*

Amy Jameson
Alamo Navajo School Board, Inc.
Medical Director - Continuation *$22,500*

Albuquerque Sexual Assault Nurse Examiner
Medical Director - Continuation *$14,869*

Bernalillo County Sheriff's Office
Medical Director - Continuation *$55,000*

Bosque School
EMS Medical Director - Continuation *$7,400*

Catron County
EMS Medical Director *$11,000*

Cottonwood Gulch Expeditions
Medical Director *$25,000*

Jemez Mountain Trail Runs
Medical Director *$2,000*

N.M. Department of Public Safety
Medical Director, Search & Rescue, Medical Review Officer - Continuation *$50,000*

N.M. Department of Public Safety
Professional Services TEMS - Continuation *$188,504*

Pueblo of Isleta
Medical Director *$44,000*

Santo Domingo Pueblo
Medical Director *$19,800*

Town of Red River
Medical Director - Continuation *$12,000*

Valencia Regional Emergency Communication Center
Medical Director *$9,000*

Village of Cimarron
Medical Director - Continuation *$3,600*

Steven McLaughlin
State of New Mexico
Emergency and Specialty Services - Continuation *$1,000,000*

Gary Mlady
Bernalillo County
Medical Director - Continuation *$14,000*

Kimberly Pruett
N.M. Department of Health
FY24 NM DOH Statewide EMS - Continuation 8 *$75,000*

Jay Raval
University of Pittsburgh
Massive Transfusion in Children II *$211,611*

Diane Rimple
Town of Mountainair
EMS Medical Director - Continuation *$6,000*

Wilderness Medics Inc
EMS Medical Director - Continuation *$25,000*

Robert Sapien
Albuquerque Area Indian Health Service
Mescalero Service Unit & UNM HSC Emergency Medicine Child Ready Telehealth Year 1 *$51,750*

Guadalupe County Hospital
Child Ready- Center for Telehealth - Continuation *$25,000*

Maternal and Child Health Bureau
NM EMS for Children Program - Continuation *$83,352*

Office for the Advancement of Telehealth
Child Ready Rural Emergency Support of Trauma - Continuation *$300,000*

Roosevelt General Hospital
Child Ready- Center for Telehealth *$25,000*

Philip Seidenberg
TriCore Reference Laboratories
TO#38_PAS-18SUST033 Tricore BD Vacutainer *$129,155*

TriCore Reference Laboratories
TO#39_PAS-19SUST055 Tricore BD Vacutainer *$38,220*

TriCore Reference Laboratories
TO#40_PAS-19SUST046 Tricore BD Vacutainer *$116,480*

Ming Wang
University of Pittsburgh
LITES Calcium and Vasopressin Following Injury Early Resuscitation Trial *$500,000*

Brandon Warrick
U.S. Department of Justice
2nd District of N.M. SVU- Expert Witness - Warrick - Curley v. United States *$26,886*

Chelsea White
Cibola County
Medical Director- Continuation *$12,000*

National Park Service
Medical Director El Malpais/El Morro - Continuation 3 *$4,500*

National Park Service
Medical Director El Malpais/El Morro - Continuation 6 *$9,000*

Pueblo of Laguna
Laguna Pueblo Medical Direction - Continuation 7 *$552,564*

Pueblo of Zuni
Medical Director - Continuation *$60,000*

Jenna White
Presbyterian Medical Services
EMS Medical Director - Continuation *$23,760*

Pueblo of Jemez
FY 24 Pueblo of Jemez Medical Direction - Continuation 5 *$24,000*

The Pueblo of Santo Domingo
Medical Direction for the Pueblo of Santo Domingo - Continuation *$19,800*

Village of Cuba
Medical Director - Continuation *$4,100*

Jason Williams
Army National Guard
Mountain Medicine Course - National Guard *$25,000*

Defense Threat Reduction Agency
Advanced Wilderness First Aid Course *$9,750*

N.M. Energy, Minerals & Natural Resources Department Forestry Division
UNM Wilderness First Aid Course *$3,000*

N.M. Environment Department
Wilderness Prep Mountain Medicine Course - NMED $50,000

New Mexico National Guard
NMARNG Mountain Medicine Course - Federal $17,000

U.S. Fish and Wildlife Service
Wilderness First Aid Course - Federal $8,000

Family & Community Medicine

Melody Avila
Falling Colors Corporation
ADOBE HSD - Continuation $1,073,578

Antoinette Benton
Falling Colors Corporation
FY24 Pre-Administration Screening and Resident Review (TEASC) - Continuation $249,400

N.M. Department of Health
HBCD Peer Navigator $1,438,814

Venice Ceballos
Root Change
Community Power - Exchange Program $22,500

Heidi Fredine
Rio Grande Community Development Corp., Inc.
Growing Together Evaluation $75,000

Rio Grande Community Development Corporation, Inc.
Color Theory Evaluation $39,600

Arthur Kaufman
Bernalillo County
Tiny Home Village Community Support Services - Continuation FY24 $455,000

City of Albuquerque
Gateway Receiving Area $800,000

City of Albuquerque
Interagency Intensive Case Management System to Decrease Substance Abuse in Albuquerque - FY24 $750,000

N.M. Aging & Long-Term Services Department
Community Health Workers in the New Mexico Aging Network - Continuation $232,630

N.M. Aging and Long-Term Services Department
Community Health Workers in the New Mexico Aging Network $182,889

N.M. Department of Health
New Mexico Immunization Coalition FY24 - Continuation $175,658

N.M. Department of Health
Vaccine Health Equity Project - COVID19 - Non-Specific Supplement $9,938,920

N.M. Human Services Department
Reach Intervene Support and Engage Program $248,426

Sarah Lathrop
N.M. Department of Health
FY24 N.M. Emerging Infections Program $1,097,373

N.M. Department of Health
FY25 N.M. Emerging Infections Program - Continuation $1,088,249

Lawrence Leeman
Eunice Kennedy Shriver National Institute of Child Health and Human Development
HEAL Initiative: UNM HSC Clinical Center $222,694

Reunion Neuroscience Inc.
Clinical Trial Phase 2 RE104 Safety & Efficacy Study in PPD $161,199

RTI International
OPTimize Study MOU $9,470

University of Cincinnati
Promoting Research With Mothers Receiving OUD Treatment $6,574

Usona Institute
CTA PSIL301 $700,291

Orrin Myers
National Park Service
Valles Caldera (CESU) $25,000

NeurInsight, LLC
Towards Intra-Operative Guidance in Brain Tumor Surgery Using Real-Time Resting-State Functional MRI - Phase I $38,820

NeurInsight, LLC
Towards Intra-Operative Guidance in Brain Tumor Surgery Using Real-Time Resting-State Functional MRI - Phase I - Specific Supplement $8,031

Janet Page-Reeves
City of Albuquerque
Albuquerque Community Safety Training Evaluation $99,900

Tassy Parker
University of Colorado Denver
Center for American Indian and Alaska Native Diabetes Translation Research - Continuation $42,864

University of Colorado Health Sciences Center
Center for American Indian and Alaska Native Health Disparities - Continuation $8,589

University of Minnesota
AMICA Resubmission - Continuation $395,680

Washington State University
NEAR WSU P01 - Continuation $27,863

Felisha Rohan-Minjares
First Nations Community Healthsource, Inc.
Physician Services With Obstetrics - Continuation $36,000

Manzano Medical Group
Family and Community Medicine $29,952

Manzano Medical Group
Family and Community Medicine - Continuation $29,952

New Mexico Perinatal Collaborative
Director of Maternal Health Initiatives - Continuation $40,104

Presbyterian Medical Services
Physician Services $25,000

Presbyterian Medical Services
Physician Services $25,000

Presbyterian Medical Services
Physician Services - Continuation $25,000

Pilar Sanjuan
Lovelace Biomedical & Environmental Research Institute
The ASCEND Study - FY24 Continuation $127,993

Helene B. Silverblatt
Bureau of Health Workforce
New Mexico Area Health Education Centers Point of Service Maintenance and Enhancement - Continuation $493,977

Center for Health Innovation
CHI Contract for Services FY24 $5,000

Daniel Williams
University of Mississippi Medical Center
Center for Innovation and Discovery in Addictions Mississippi Horizons Project - Continuation $78,237

Internal Medicine

Christos Argyropoulos
Dialysis Clinic, Inc.
COVID and Vaccination in CKD $118,927

Dialysis Clinic, Inc.
Grand Rounds Support - Continuation $59,750

Novo Nordisk, Inc.
Clinical Trial Phase III: EX6018-4758 Zeus - Specific Supplement $1,500

Nour Ass'ad
United Therapeutics Corporation
TETON PPF $93,285

James Blankenship
Weill Cornell Medical College
RECHARGE $133,698

Steven Bradfute
Defense Threat Reduction Agency
Unsupervised and Semi-Supervised ML/AI With Iterative Experimentation for Rapid Identification of Targeted Alphaviral Small Molecules - Continuation $499,645

Defense Threat Reduction Agency
Unsupervised and Semi-Supervised ML/AI With Iterative Experimentation for Rapid Identification of Targeted Alphaviral Small Molecules - Non-Specific Supplement $100,000

Los Alamos National Laboratory
Rapid Assessment of Platform Technologies to Expedite Response - Non-Specific Supplement $60,000

Los Alamos National Laboratory
Rapid Assessment of Platform Technologies to Expedite Response - Specific Supplement $100,000

Los Alamos National Laboratory
Rapid Assessment of Platform Technologies to Expedite Response (Phase II) - Continuation $150,000

Los Alamos National Laboratory
Unsupervised Tensor Factorization ML Platform for Discovery of Broad-Spectrum Antiviral Targets From Global Omics Data $50,000

Sandia National Laboratories
Assessment of Coding and Noncoding RNA Responses to Arenavirus Infection $200,000

M. Gabriela Cabanilla
Merck & Company, Inc.
CMV Disease Among Racial and Ethnic Minority Populations - Specific Supplement $9,520

Kelly Chong
Dialysis Clinic, Inc.
Kidney: To Take or Not to Take $166,015

Emily Cotter
Cambia Health Foundation
2023 Sojourns Scholar Leadership Award - Trauma-Informed Palliative Care $180,000

Pablo Garcia
Calliditas Therapeutics
East by Southwest Fourth Update in Nephrology Conference $5,000

Michelle Harkins
Duke University
RECOVER-VITAL $76,950

Theresa Heynekamp
Cystic Fibrosis Foundation
Cystic Fibrosis Care Center Program - Continuation $98,310

Ivy Hurwitz
National Science Foundation
Innovation Corps - National Innovation Network Teams Program $50,000

Office of Naval Research
Evaluation of Essential Oil-Based Larvicides for Mosquito Control in Sub-Saharan Africa - Continuation $133,331

Michelle Iandiorio
AbbVie
A Phase 2, Multicenter, Randomized, Double-Blind, Placebo-Controlled Study to Evaluate Efficacy, Safety, Tolerability and Pharmacokinetics of Budigalimab and/or ABBV-382 in People Living With HIV on Stable Antiretroviral Therapy (Protocol No. M19-965) $240,742

Health Resources and Services Administration
Ryan White HIV/AIDS Program Part C Outpatient Early Intervention Services Program - Continuation $179,640

Health Resources and Services Administration
Ryan White Part C EIS - Non-Specific Supplement $538,920

HIV-AIDS Bureau
Ryan White HIV/AIDS Program Part D Coordinated HIV Services and Access to Research for Women, Infants, Children and Youth - Continuation $512,417

Merck, Sharp & Dohme, Inc.
Clinical Study to Evaluate Doravirine/islatravir (Protocol No. MK-8591A) $1,118,766

Denece Kesler
Bureau of Health Workforce
Preventive Medicine Residency Program - Continuation $147,368

Bureau of Health Workforce
Preventive Medicine Residency Program - Non-Specific Supplement $278

Bureau of Health Workforce
Preventive Medicine Residency Program - Non-Specific Supplement $248,051

Bureau of Health Workforce
Preventive Medicine Residency Program - Non-Specific Supplement 2 $1,447

Lovelace Biomedical Research Institute
Lovelace Biomedical Research Institute - Occupational Health Services - Continuation $25,000

Office of Rural Health Policy
Radiation Exposure Screening and Education Program - Continuation $231,132

Christophe Lambert
National Institute of Mental Health
Deriving High-Quality Evidence From National Healthcare Databases to Improve Suicidality Detection and Treatment Outcomes in PTSD - Continuation $650,262

National Institutes of Health
Illuminating the Druggable Genome Data Coordinating Center - Engagement Plan With the CFDE $562,110

Scott Malec
National Library of Medicine
Using the Literature to Build Causal Models of Retrospective Observational Data $248,670

Lana Melendres-Groves
GB002, Inc.
A Phase 3, Randomized, Double-Blind, Placebo-Controlled Study to Evaluate the Efficacy and Safety of Oral Inhalation of Seralutinib for the Treatment of Pulmonary Arterial Hypertension (Protocol No. GB002-3101) $64,208

Keros Therapeutics, Inc.
A Randomized, Phase 2, Double-Blind, Placebo-Controlled Study to Investigate the Safety and Efficacy of KER-012 in Combination With Background Therapy in Adult Participants With Pulmonary Arterial Hypertension (Protocol No. KER-012-A201 $160,000

PPD Investigator Services
Phase 3 Multicenter Study of Liposomal Treprostinil Inhalation Suspension (L606) in Subjects With Pulmonary Arterial Hypertension Previously Stabilized on Inhaled Treprostinil Products (Protocol No. PBI L606p3) - Supplement $644

United Therapeutics Corporation
APD811-301:A Study EVAluatiNg the Efficacy and Safety of Ralinepag to Improve Treatment OUTCOMES in PAH Patients - Non-Specific Supplement $22,183

University of Pennsylvania
Case-Control Study of Methamphetamine in Pulmonary Arterial Hypertension - Continuation $26,961

Kimberly Page
Cedars-Sinai Medical Center
Collaborative Care Teams for Hospitalized Patients With Opioid Use Disorders: Translating Evidence Into Practice - Continuation $196,721

Loyola University Chicago
Computational Modeling for HCV Vaccine Trial Design and Optimal Vaccine-Based Combination Intervention - Amendment 3 $5,249

Loyola University Chicago
Computational Modeling for HCV Vaccine Trial Design and Optimal Vaccine-Based Combination Intervention - Continuation $47,245

University of Miami
CTN-0121: Integrated Care and Treatment for Severe Infectious Diseases and Substance Use Disorders Among Hospitalized Patients $508,407

University of Texas Southwestern Medical Center
NIDA Clinical Trials Network: Big South/West Node $20,260

Swathi Paleti
AbbVie
M23-703 $240,500

Amgen, Inc.
Safety and Efficacy of Efavaleukin Alfa in Subjects With Moderately to Severely Active Ulcerative Colitis $204,710

Alisha Parada
Lovelace Biomedical & Environmental Research Institute
Cognitive Sequelae of Cerebrovascular and Gut Dysfunction in Post-Acute COVID-19 Syndrome $16,819

N.M. Department of Health
Mobile Homeless Survey $120,000

N.M. Department of Health & Human Services
Mobile Services for Persons Experiencing Homelessness: High-Impact Demonstration Project $250,000

Douglas Perkins
Harvard School of Public Health
Fogarty Global Health Training Fellowship Program - Specific Supplement $29,497

Harvard School of Public Health
Partnership for Global Health Research Training Program $14,281

John E. Fogarty International Center for Advanced Study in the Health Sciences
Training and Research on Severe Malarial Anemia - Continuation $280,420

National Institute of Allergy and Infectious Diseases
Temporal Transcriptomics in Hospitalized COVID-19 Patients From Disparately Impacted Ancestral Groups for Therapeutic Discovery - Y3 $757,176

Christopher Piromalli
Southcentral Foundation
Jumpstarting Culturally Informed Advanced Care Planning With ANAI People in Primary Care - Continuation $64,919

David Schade
Case Western Reserve University
Epidemiology of Diabetes Intervention and Complications - Continuation Year 2023-2024 $118,770

George Washington University
Alzheimer's Disease and Alzheimer's Disease-Related Dementias in Prediabetes and Type 2 Diabetes: The Diabetes Prevention Program Outcomes Study AD/ADRD Project (DPPOS-4) - Continuation $368,400

George Washington University
Continuation of Glycemia Reduction Approaches in Diabetes: A Comparative Effectiveness Study - Non-Specific Supplement $10,000

George Washington University
Continuation of Glycemia Reduction Approaches in Diabetes: A Comparative Effectiveness Study - Specific Supplement $19,519

Namita Singh
Transplant Genomics, Inc.
TRULO Study - Non-Specific Supplement $114,115

Manoocher Soleimani
Dialysis Clinic, Inc.
The Role of Extracellular Vesicles in Kidney Cystogenesis in Tuberous Sclerosis Complex $343,865

U.S. Department of Veterans Affairs
IPA - Sharon Barone - Continuation $49,199

Veterans Affairs Medical Center
IPA - Brooks - Continuation $43,932

Akshay Sood
National Institute of General Medical Sciences
Effectiveness of Innovative Research Mentor Interventions Among Underrepresented Minority Faculty in the Southwest - Continuation $711,113

Joao Teixeira
Talphera Inc
CRRT $34,823

Jason Timm
Givaudan Flavors Corporation
Givaudan Research Agreement - Y16 $225,000

Mark Unruh
City of Albuquerque
Consultant Services for ACS Programs $99,590

Dialysis Clinic, Inc.
Consultation Services $122,200

Dialysis Clinic, Inc.
Medical Director Services $1,209,000

Genesis HealthCare
Physician Services $36,000

Hennepin Healthcare Research Institute
HOPE CATI - Continuation $55,714

Honeywell Corporation
Occupational Medical Services - Continuation $25,000

Lovelace Biomedical & Environmental Research Institute
Occupational Health Consulting Services $25,000

National Institute of Diabetes and Digestive and Kidney Diseases
American Indian Chronic Renal Insufficiency Cohort Study - Continuation $614,646

Tufts Medical Center
VideoKD Tufts $116,020

Tufts Medical Center
VideoKD Tufts - Non-Specific Supplement $114,347

University of North Carolina at Chapel Hill
Comparative Effectiveness of Two Approaches to Symptom Monitoring in Hemodialysis - Continuation $79,853

University of North Carolina at Chapel Hill
SmartHD Latinx Supplement $152,720

University of Pittsburgh
Technology-Assisted Stepped Collaborative Care Intervention to Improve Patient-Centered Outcomes in Hemodialysis Patients - Continuation $25,530

University of Washington
Randomized ESRD Trial COmparing CBT Alone VERsus With Buprenorphine - Continuation $111,445

VA Office of Research and Development
IPA Inchvets - Monica Cardona $64,880

VA Office of Research and Development
IPA Inchvets - Taryn Roe $24,454

Zenith American Solutions, Inc.
Occupational & Environmental Health Services $25,000

Molecular Genetics & Microbiology

Kiran Bhaskar
New Mexico VA Health Care System
Microglia-Vascular Interactions in Alteration of the Blood-Retinal Barrier in Diabetic Retinopathy $5,000

University of Tennessee
Validation of a Novel Tau Clearance Mechanism - Year 2 $203,473

Bryce Chackerian
Henry M. Jackson Foundation
Epitope-Based Vaccines for Neisseria Gonorrhoeae - Continuation $37,000

National Institute of Allergy and Infectious Diseases
Virus-Like Particle-Based Malaria Vaccines Targeting Vulnerable Epitopes in the Circumsporozoite Protein - Non-Specific Supplement $61,103

National Institute of Allergy and Infectious Diseases
Virus-Like Particle-Based Malaria Vaccines Targeting Vulnerable Epitopes in the Circumsporozoite Protein - Year 2 $549,926

Tendel Therapies
Genetic Adjuvants to Elicit Neutralizing Antibodies Against HIV $10,000

Vojo Deretic
National Institute of Allergy and Infectious Diseases
Pattern Receptors and Autophagy in Mtb Control in AIDS - Continuation $575,399

National Institute of General Medical Sciences
Autophagy, Inflammation and Metabolism in Disease Center - Year 7 $2,270,783

Kathryn Frietze
National Institute of Allergy and Infectious Diseases
Investigation of Novel Chlamydia Vaccines in Male Infection Models $37,094

National Institute on Drug Abuse
Identification and Characterization of Novel Genetic Mechanisms in Alcohol Use Disorder and Excessive Drinking $37,094

Michael Mandell
National Institute of Allergy and Infectious Diseases
Cellular Responses to Retroviral Capsid Recognition - Continuation Year 4 $414,823

Michelle Ozbun
National Institute of Allergy and Infectious Diseases
Development of a Novel Anti-Viral Treatment for Persistent HPV Disease $171,563

Tulane University
Development of a Rhesus Macaque Model of Persistent Oral HPV and HIV Co-infection to Study Oropharyngeal Cancer Induction $58,354

Jing Pu
National Institute of General Medical Sciences
Lysosome-Organelle Interaction in Lipid Metabolism - Continuation $343,125

Jaya Rajaiya
National Eye Institute
Influence of Dietary Lipids on Gestational Outcomes of Ozone Exposure $65,009

National Eye Institute
Novel Mechanisms in Adenoviral Ocular Pathogenesis - Non-Specific Supplement $59,877

Neurology

Daniel Barnett
NeuroPace, Inc
NAUTILUS - Specific Supplement - Amend #1 $8,250

Jonathan Cauchi
ALS Association
ALS New Mexico $30,000

Masoom Desai
Duke University
SHINKEI TBI $120,000

Marinus Pharmaceuticals, Inc.
1042-SE-3003 - RAISE - Specific Supplement $25,600

Massachusetts General Hospital
Data Generation Projects for the NIH Bridge to Artificial Intelligent Y2 Nce Program (OT2) - MOD 1 $213,912

University of Arizona
ELECTRO-BOOST: Electroencephalography for Cerebral Trauma Recovery and Oxygenation $34,683

Corey Ford
Genentech, Inc.
MN43964 OLERO - Specific Supplement $167,188

Sanofi US Services, Inc.
Sanofi - LTS17043 $1,219,660

Sanofi US Services, Inc.
SANOFI_EFC17919 $1,206,120

Clotilde Hainline
Biogen, Inc.
Biogen Protocol 257MS201 - FUSION $300,000

Contineum Therapeutics
VISTA - Pipeline PTI-307-201 $93,249

Kenneth Imerman
University of California, San Francisco
BVMC3 Project 2 - SWS - Continuation $3,788

Surojit Paul
National Institute on Alcohol Abuse and Alcoholism
Outcome of Neurological Disorders in Adults Exposed to Moderate Levels of Alcohol in Utero $411,267

Sarah Pirio Richardson
Emory University
Dystonia Coalition - Emory Subaward FY24 $164,444

Jazz Pharmaceuticals, Inc.
JZP385-202 - Specific Supplement $13,440

The MIND Research Network
Microbiome-Gut-Brain Dysfunction in Prodromal and Symptomatic Lewy Body Diseases $101,312

Gerson Suarez-Cedeno
Parkinson's Disease Foundation
PD Gene Registry $20,000

Michel Torbey
National Institute of Neurological Disorders and Stroke
The Southwestern Stroke Alliance Regional Coordinating Center $404,296

The Mind Research Network
Lovelace Biomedical Research Institute - Continuation FY24 $19,447

University of California, San Francisco
Brain Vascular Malformation Consortium: Predictors of Clinical Course - Continuation $123,378

Neurosciences

Jonathan Brigman
National Institute on Alcohol Abuse and Alcoholism
Prenatal Alcohol Exposure and Corticostriatal Control of Behavioral Flexibility - Non-Specific Supplement $33,484

Andrew Carlson
National Institute of Neurological Disorders and Stroke
Clinical Stimulation and Spreading Depolarization $381,250

Lee Anna Cunningham
National Institute on Alcohol Abuse and Alcoholism
Network Mechanisms of Impaired Adult Hippocampal Neurogenesis in a Mouse Model of Prenatal Alcohol Exposure - Continuation $340,875

David Linsenbardt
National Institute on Alcohol Abuse and Alcoholism
Repeated Binge Drinking and the Genetic Regulation of Corticostriatal Synchrony - Non-Specific Supplement $29,501

Samuel McKenzie
Virginia Polytechnic Institute
Functions for CA1 Axo-Axonic and Basket Interneurons in Sharp-Wave Ripple Replay and Spatial Memory $24,778

Whitehall Foundation
Formation of Memory Spaces Through Plasticity of Lateral Inhibition $300,000

Nikolaos Mellios
National Institute of Mental Health
Unraveling the Biogenesis and Molecular Mechanisms of a Neuronal-Enriched Circular RNA Altered in Psychiatric Disease. - Continuation $543,266

Washington University School of Medicine in St. Louis
Multimodal Characterization of the Role of Circular RNAs in Alzheimer's Disease - Continuation $102,901

Shahani Noor
National Institute on Alcohol Abuse and Alcoholism
Prenatal Alcohol Exposure Generates Vulnerability to the Proinflammatory Effects of Morphine and Adverse Neuroimmune Consequences - Continuation $338,927

National Institute on Alcohol Abuse and Alcoholism
Prenatal Alcohol Exposure Generates Vulnerability to the Proinflammatory Effects of Morphine and Adverse Neuroimmune Consequences - Non-Specific Supplement $37,659

Nora Perrone-Bizzozero
University of South Carolina
Destabilization of Axonal MRNAs by KHSRP Controls Axon Regeneration - Continuation $29,403

Daniel Savage
National Institute on Alcohol Abuse and Alcoholism
Fetal Ethanol-Induced Behavioral Deficits: Mechanisms, Diagnoses and Intervention - Continuation $1,482,336

Bill Shuttleworth
National Institute of Neurological Disorders and Stroke
Non-Canonical Mechanisms of Excitotoxicity - Continuation $39,838

National Institute of Neurological Disorders and Stroke
Non-Canonical Mechanisms of Excitotoxicity - Non-Specific Supplement $1,280

New Mexico State University
New Mexico IDEeA Networks of Biomedical Research Excellence $209,909

New Mexico State University
Ryman-New Mexico IDEeA Networks of Biomedical Research Excellence - Continuation $26,186

University of Utah
Spreading Depolarization in the Network Dysfunction Leading to Post-Traumatic Headache - Continuation $115,500

Elif Tunc-Ozcan
National Institute of Mental Health
Neural Activity and Circuitry-Mediated Hippocampal Stress Responses $249,000

Carlos Valenzuela
National Institute on Alcohol Abuse and Alcoholism
Alcohol and Developing Neuronal Circuits - Continuation $521,566

National Institute on Alcohol Abuse and Alcoholism
Developmental Alcohol Exposure and Cerebro-Cerebellar Circuits - Continuation $162,984

National Institute on Alcohol Abuse and Alcoholism
Developmental Alcohol Exposure and Cerebro-Cerebellar Circuits - Non-Specific Supplement $18,110

Tou Yia Vue
National Institute of Neurological Disorders and Stroke
Transcriptional Control of OPC Fate Specification and Homing to Gray Matter and White Matter in the CNS - Continuation $337,110

National Institute of Neurological Disorders and Stroke
Transcriptional Control of OPC Fate Specification and Homing to Gray Matter and White Matter in the CNS - Non-Specific Supplement $26,219

Jason Weick
National Institute of Neurological Disorders and Stroke
Molecular Mechanisms of Excitatory Postsynaptic Diversity - Continuation $340,875

National Institute on Aging
Regulation of Sortilin-1 by Neuron-Specific Genes; Implications for AD and FTD $419,375

National Institutes of Health
Molecular Mechanisms of Excitatory Postsynaptic Diversity - Non-Specific Supplement $26,513

Obstetrics & Gynecology

Eve Espey
Blue Cross Blue Shield of New Mexico
BCBS OBGYN Resident Scholarship for Rural Area $197,341

New Mexico Sonographics
MFM Services/Ultrasound Readings - Continuation $25,000

Planned Parenthood of the Rocky Mountains
NM Reproductive Health Success Project $141,083

Planned Parenthood of the Rocky Mountains
OB/GYN Services & Medical Directorship - Continuation $25,000

St. Vincent Regional Medical Center
OB/GYN Coverage- Continuation $25,000

Peter Jeppson
Care New England
BEST Trial - PCORI - Specific Supplement $94,999

Women and Infants' Hospital of Rhode Island
BEST Trial - PCORI - Continuation $282,571

Kate Meriwether
RBI Medical
RBI Human Pilot $31,471

RTI International
PFDN Capitation - Continuation $3,919

RTI International
PFDN Capitation - Non-Specific Supplement $15,055

Amber Truehart
The Lalor Foundation
Lalor Foundation Grant $39,930

Christina Yarrington
Boston University
Postpartum Blood Pressure Monitoring Outcomes $56,065

Office of the Medical Investigator

Lauren Dvorscak
U.S. Department of Justice
Expert Witness - U.S. v. Josiah Alan Smith $7,394

Heather Edgar
U.S. Department of Justice
Cold Case Resolutions for the State of New Mexico $999,558

U.S. Department of Justice
Expert Witness - H. Edgar - U.S. v. Yellowhorse $2,923

Heather Jarrell
Bureau of Indian Affairs
BIA Autopsy Services - Continuation FY24 $65,014

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

N.M. Crime Victims Reparation Commission
Victims of Crime Act Victim Assistance FY 2024 - Continuation $99,441

N.M. Public Safety Department
FY23 Paul Coverdell Forensic Science Improvement Grants Program - Formula $65,669

U.S. Department of Justice
Expert Witness - H. Jarrell - U.S. v. Halen Tsosie $1,723

U.S. Department of Justice
Expert Witness - USA v. Malcom Torres $11,354

U.S. Department of Veterans Affairs
VA Autopsy Services - Continuation $59,266

UNM Sandoval Regional Medical Center
MOA: OMI - SRMC FY24 $45,000

Aidan Kerr
U.S. Department of Justice
Expert Witness - Aidan Kerr - U.S. v. Moreno OMI# 2021-07189 $7,806

U.S. Department of Justice
Expert Witness - U.S. v. Labar Tsethikai $12,145

U.S. Department of Justice
USA v. Marc Clark. OMI# 2021-08249 $6,423

Clarissa Krinsky
U.S. Department of Justice
Expert Witness - U.S. v. Jerrold Chavarria $5,421

Sarah Lathrop
CDC Foundation
Medicolegal Death Investigation Novel Data Modernization Initiatives $250,000

N.M. Department of Health
HBCD Peer Navigator $300,000

N.M. Department of Health
Increase Timeliness of Fatal Opioid Overdose $521,586

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

U.S. Consumer Product Safety Commission
MECAP Reports - Non-Specific Supplement $504

Sophia Rodriguez
U.S. Department of Justice
Expert Witness - U.S. v. Christopher Acevedo $5,425

Daniel Gallego Umana
CVPath Institute
Improving Understanding and Diagnosis of Post-Acute Sequelae of the SARS-CoV-2 Infection on the Heart: a Cardiac Magnetic Resonance and Autopsy Study $42,322

New York University Grossman School of Medicine
The SARS-CoV-2 Autopsy Cohort Post Acute Sequalae of COVID Study - Phase II - Continuation $275,794

U.S. Department of Justice
Expert Witness- D. Gallego - U.S. v. Maylene John $2,970

Ophthalmology & Visual Sciences

James Chodosh
Eye Associates of New Mexico
Neuro-Ophthalmology Services - Continuation $215,405

Massachusetts Eye and Ear Infirmary
Transitioning the Minimally Invasive Artificial Cornea Mi-KPro From Bench to Bedside $31,886

National Eye Institute
Immunopathogenesis of Adenovirus Keratitis - Continuation $318,602

National Eye Institute
Immunopathogenesis of Adenovirus Keratitis - Non-Specific Supplement $5,178

University of California, San Francisco
SCORPIO - Continuation $20,379

University of California, San Francisco
SCORPIO - Continuation 2 $20,409

Orthopaedics & Rehabilitation

Deana Mercer
Axogen Corporation
COVERED $40,832

Nathan Morrell
UNM Rainforest Innovations
Prosthetic Implant for CMC Arthritis $25,000

Dustin Richter
Arthroscopy Association of North America
2025 AOSSM & Enovis Fellowship Grant $3,950

Stryker Orthopaedics & Rehabilitation
Consulting Agreement $28,000

University of Pittsburgh
Surgical Timing and Rehabilitation for Multiple Ligament Knee Injuries: A Multicenter Integrated Clinical Trial - Continuation $4,022

University of Pittsburgh
Surgical Timing and Rehabilitation for Multiple Ligament Knee Injuries: A Multicenter Integrated Clinical Trial - Specific Supplement $1,189

University of Pittsburgh
Surgical Timing and Rehabilitation for Multiple Ligament Knee Injuries: A Multicenter Integrated Clinical Trial - Specific Supplement $3,165

University of Pittsburgh
Surgical Timing and Rehabilitation for Multiple Ligament Knee Injuries:A Multicenter Integrated Clinical Trial - Specific Supplement $2,825

Christina Salas
emTruth Inc.
EmTRUTH $50,000

UNM Rainforest Innovations
L.E.G.A.R.D. $25,000

Robert Schenck
University of New Mexico
Healthcare Services for Student Athletes (Lobo Clinic) $391,812

Selina Silva
Ann & Robert H. Lurie Children's Hospital of Chicago
Infrastructure for Musculoskeletal Pediatric Acute Care Clinical Trials $4,540

Gehron Treme
Arca Foundation
Medical Director Services $25,000

Balanced Physical Therapy and Wellness LLC
Physical Therapists Evaluate and Treat Patients - Continuation $25,000

Balanced Physical Therapy and Wellness LLC
Physical Therapists Services-Continuation $25,000

Pathology

Elaine Bearer
National Institute of Neurological Disorders and Stroke
Mapping and Modulating Brain States $39,403

Tione Buranda
Association of Public Health Laboratories
Subject Matter Expert- DEIA $35,280

Jennifer Gillette
American Heart Association
ABCA1-Dependent Cholesterol Efflux Can Regulate Can Regulate Cholesterol Content in Endothelial Cells $6,000

American Heart Association
Acid-Sensing Ion Channel in Pulmonary Hypertension $6,000

American Heart Association
Unveiling the Contribution of Extregs to Hypoxic Pulmonary Hypertension Pathogenesis $6,000

National Heart, Lung, and Blood Institute
Functional Role of Tetraspanin CD82 in Hematopoietic Stem Cell Interactions - Continuation $376,845

Nancy Joste
Southwest Gastroenterology Associates, P.C
Medical Director & Physician Services $25,000

TriCore Reference Laboratories
Medical Director/Scientific Director Services - Continuation $2,194,059

TriCore Reference Laboratories
Medical Director/Scientific Director Services - Continuation $2,124,314

UNM Hospital
Pathology Services *$572,993*

Diane Lidke
Genmab
Dissecting the Mechanisms of Action for Hexabody-Driven DR5-Induced Cell Death - Continuation *$181,155*

Los Alamos National Laboratory
System Dynamics of PD-1 Signaling in T Cells - Mod 1 *$17,054*

Los Alamos National Laboratory
System Dynamics of PD-1 Signaling in T Cells - Mod 2 *$165,503*

National Institute of General Medical Sciences
Imaging the Early Events in Membrane Receptor Signaling *$465,354*

Yale University
Understanding How Receptor Tyrosine Kinase Activation Dynamics Specify Proliferative Cellular Responses - Amendment 4 *$189,315*

Yale University
Understanding How Receptor Tyrosine Kinase Activation Dynamics Specify Proliferative Cellular Responses - Continuation *$195,293*

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

University of Virginia
Biospecimen Procurement and Tissue Microarray Manufacture for the CHTN - Non-Specific Supplement *$21,566*

Aysha Mubeen
TriCore Reference Laboratories
TO#43 Ventana 2024 MET 25% & 50% Studies *$39,820*

Samuel Reynolds
TriCore Reference Laboratories
TO#44 Ventana 2024 MET 25% & 50% Studies *$39,820*

Larry Sklar
Boston Children's Hospital
Compounds That Block a Novel Candida Albicans Target - Continuation *$31,118*

Angela Wandinger-Ness
National Institute of General Medical Sciences
Academic Science Education and Research Training - Continuation *$1,045,992*

Pediatrics

Shirley Abraham
American Thrombosis and Hemostatis Network
American Thrombosis and Hemostatis Network Round 15 - Continuation *$12,500*

Hemophilia Alliance Foundation
Hemophilia Treatment Center - HAF Submission *$8,000*

Oregon Health & Science University
ATHN_CDC_Public Health Surveillance for the Prevention of Complications of Bleeding Disorders - Continuation *$30,000*

Oregon Health & Science University
Regional Hemophilia Network - Mountain States - Non-Specific Supplement *$221,589*

Oregon Health & Science University
Regional Hemophilia Network - Mountain States - Y3 Continuation *$50,000*

Razan Alkhouri
Ardelyx
TEN-01-304 *$72,373*

Suzanne Burns
University of Wisconsin-Milwaukee
Building Accessibility in the Community *$25,977*

University of Wisconsin-Milwaukee
Opening the Door for Accessibility Ratings in the Community: Stage of Adoption *$18,922*

Glenda Canaca
N.M. Human Services Department
Social Marketing 23-24 *$635,333*

Theresa Cruz
N.M. Children, Youth & Families Department
Safe Sleep Focus Groups 24 *$127,500*

N.M. Human Services Department
SNAP-ED Evaluation 23-24 *$308,921*

Presbyterian Healthcare Services
Chair Care Evaluation *$25,000*

Presbyterian Healthcare Services
DPP Evaluation *$100,000*

Presbyterian Healthcare Services
REACH Evaluation 23-24 *$112,000*

Sally Davis
N.M. Department of Health
Implementing Evidence-Based Recommendations in Community Projects 23-24 *$42,500*

Darrell Dinwiddie
Arkansas Children's Research Institute
Pediatric Acute Respiratory Infection Study *$572,169*

Sandia National Laboratories
COVID-19 Multiplexed Virus Detection Via Metal-Organic Framework-Based Biosensors - Continuation *$98,800*

Timothy Dionne
Bureau of Health Professions
HRSA Scholarship for Disadvantaged Students - Non-Specific Supplement *$25,000*

Kevin Estes
Region IX Education Cooperative
PED REA 23-24 *$64,000*

Janell Fuller
Eunice Kennedy Shriver National Institute of Child Health and Human Development
Eunice Kennedy Shriver NICHD Cooperative Multicenter Neonatal Research Network - Continuation *$296,913*

Eunice Kennedy Shriver National Institute of Child Health and Human Development
Eunice Kennedy Shriver NICHD Cooperative Multicenter Neonatal Research Network - Non-Specific Supplement *$32,990*

Rebecca Girardet
N.M. Crime Victim Reparation Commission
VOCA FY24 *$54,524*

W.K. Kellogg Foundation
Measuring Child Maltreatment Incidence and Community Protective Factors in New Mexico *$300,000*

Sandra Heimerl
American Academy of Pediatrics
Act Early Ambassador - Specific Supplement *$6,000*

N.M. Developmental Disabilities Planning Council
NM LEND Legislative Advocacy - Partners in Policymaking *$2,500*

Mary Hill
New Mexico State University
N.M. Agrability - Assistive Technology Program for Farmers With Disabilities - Continuation *$37,623*

Michele Hutchison
Outcome Sciences, Inc.
NN8640-4978 *$15,000*

Rebecca Kilburn
Albuquerque Public Schools
APS 1807 23-24 *$120,000*

Imagine New Mexico
Imagine New Mexico *$125,000*

Institute of Education Sciences
Tipsbytext - Continuation Year 2/5 *$921,374*

N.M. Department of Health
Youth Risk and Resiliency Survey *$50,000*

N.M. Department of Health
Youth Risk and Resiliency Survey - Specific Supplement *$225,751*

N.M. Public Education Department
Healthy Schools Evaluation YRRS 24-25 *$53,984*

N.M. Public Education Department
PED Evaluation 23-24 *$39,000*

N.M. Public Education Department
PED Evaluation 23-24 - Specific Supplement *$25,000*

Santa Fe County
CONNECT Evaluation *$149,695*

Hellen Ko
Infant Bacterial Therapeutics AB
IBP-9414-020 *$32,000*

Alberta Kong
Aleut-Odle Training and Development
Providing Medical Services at ABQ Job Corps *$111,136*

Brindle Foundation
Optimizing Care for Neonatal Opioid Withdrawal Syndrome in Rural N.M. *$25,000*

Falling Colors Corporation
School-Based Health Center Services *$673,000*

Jean Lowe
Research Triangle Institute
Darbe-KIDS *$94,179*

Research Triangle Institute
School Age Follow-Up for the Darbepoetin Trial *$94,179*

Peggy MacLean
Falling Colors Corporation
ECECD FAN Training *$32,200*

Falling Colors Corporation
FAN Home Visiting Training *$59,150*

Falling Colors Corporation
HATCH (Level 2 NICU) *$410,400*

Santa Fe Community College
First-Born Training *$32,200*

Michael Marble
N.M. Department of Health
DOH CMS Newborn Screening - Specific Supplement *$170,000*

Sofia Markee
Abbott Laboratories Inc.
Abbott Laboratories AL46 *$11,482*

Rekovar Inc.
Neonatal Abstinence Syndrome Data Collection and Monitoring *$170,289*

Jessie Maxwell
National Institute on Alcohol Abuse and Alcoholism
Poison Center Stabilization and Enhancement Program *$193,699*

Marcia Moriarta
Administration for Community Living
University Center for Excellence in Developmental Disabilities - Continuation *$620,675*

Falling Colors Corporation
IMH CPP *$62,800*

Falling Colors Corporation
IMH CPP, Manuals, Training and Consultation *$48,200*

Falling Colors Corporation
NM ECECD Home Visiting Training *$1,635,321*

Falling Colors Corporation
Nurse-Family Partnership *$974,637*

Falling Colors Corporation
Parents As Teachers *$676,065*

N.M. Department of Health
DDSD Community Inclusion *$100,000*

N.M. Department of Health
DDSD Partners for Employment *$562,800*

N.M. Department of Health
DDSD Partners for Employment Transition Project *$50,000*

N.M. Department of Health
DOH Autism Programs *$3,749,744*

N.M. Department of Health
MFP Contract *$106,000*

N.M. Department of Health
New Mexico Waiver Training Hub *$253,764*

N.M. Department of Health & Human Services
New Mexico SAFE Program *$105,000*

N.M. Developmental Disabilities Planning Council
DDC Information Network *$160,000*

N.M. Early Childhood Education & Care Department
Early Childhood Evaluation Program (SGF) and Early Childhood Evaluation Program Part B *$1,282,458*

N.M. Early Childhood Education & Care Department
Early Childhood Network *$611,742*

N.M. Early Childhood Education & Care Department
Early Childhood Network - Continuation *$211,000*

N.M. Early Childhood Education & Care Department
FIT FOCUS - Gratitude Payment *$125,000*

Martha Muller
Cystic Fibrosis Foundation
CFF Pharmacy Services - Continuation *$53,045*

Cystic Fibrosis Foundation
Cystic Fibrosis Center of New Mexico - CF Registry *$87,010*

Dawn (Walstrom) Novak
N.M. Early Childhood Education & Care Department
Developmental Care Continuity Program - Continuation - Non-Specific Supplement *$85,000*

Loretta Cordova de Ortega
Children's Hospital Colorado
Pediatric Electrophysiology Services Pediatric Cardiology Service *$25,000*

Presbyterian Healthcare Services
Pediatric Interventional Cardiology Medical Director - Continuation *$25,000*

Presbyterian Healthcare Services
Pediatric Nephrology Medical Director Services - Continuation *$3,952*

Presbyterian Healthcare Services
Pediatric Services - Continuation *$25,000*

Patricia Osbourn
Bloomfield Public Schools
Bloomfield Consultations *$16,742*

Bureau of Indian Education
Havasupai Elementary Consultation - Continuation *$169,660*

Carlsbad Municipal Schools
Carlsbad Consultations *$8,922*

Central Consolidated School District
Central Consolidated Consultations *$43,207*

Falling Colors Corporation
Peer Support and Referrals *$99,986*

Mescalero Apache Schools
Mescalero Consultations *$13,192*

N.M. Department of Health
Mi Via Waiver Provider Program *$1,575,422*

N.M. Developmental Disabilities Planning Council
Short Courses for Teaching Gene-Environment Interactions With a Focus on Environmental Justice Communities *$10,000*

N.M. Developmental Disabilities Planning Council
UNM Partners in Policymaking *$52,000*

N.M. Early Childhood Education & Care Department
Autism & Early Intervention *$100,000*

N.M. Public Education Department
SET PED *$486,200*

Pecos Independent Schools
Pecos Consultations *$12,263*

Region IX Education Cooperative
Region IX Education Cooperative *$179,300*

Rio Rancho Public Schools
Rio Rancho Consultations *$109,892*

Ruidoso Municipal Schools
Ruidoso Consultations *$7,804*

U.S. Department of Education
Project for N.M. Children Who Are Deaf-Blind *$117,970*

Tim Ozechowski
Partnership to End Addiction
Adolescent-Only SBI Versus Family-Based SBI in Primary Care for Adolescent Alcohol Use *$15,094*

Partnership to End Addiction
Adolescent-Only SBI Versus Family-Based SBI in Primary Care for Adolescent Alcohol Use - Continuation *$15,094*

Heather Pratt-Chavez
Administration for Children and Families
FOCUS Program Federal Expansion *$2,000,000*

Mary Ramos
Pacific Institute for Research & Evaluation
Enhancing Structural Competency in SBHC to Address LGBTQ Adolescent - Continuation *$78,878*

Amy Staples
North American Pediatric Renal Transplant Coop Study
NAPRTCS Registry - CfDNA Amendment *$2,250*

Jessica Valdez
Dana Farber Cancer Institute
Disparities in Clinical Trial Enrollment Among Adolescents and Young Adults With Cancer *$57,107*

Public Health Institute
Children's Oncology Group/Public Health Institute Work Order - AR62272 FY24 *$7,500*

Public Health Institute
COG PHI Work Order AR67215 *$48,318*

St. Baldrick's Foundation
St. Baldrick's Grant Submission FY24 Continuation *$50,000*

Monique Vallabhan
Brindle Foundation
Advancing Hepatitis C Detection and Treatment in Northern N.M. Children *$30,000*

Jennifer Vickers
N.M. Department of Health
Continuum of Care MAIN *$961,200*

N.M. Department of Health
CORE *$1,554,483*

N.M. Department of Health
Mortality Review *$168,832*

Craig Wong
Nationwide Children's Hospital
A CureGN II - Continuation *$15,500*

The Children's Mercy Hospital
CKiD V *$19,159*

Nan Zeng
Colorado State University
Obesity Prevention Targets for Down Syndrome - Continuation Yr2 *$23,780*

N.M. Human Services Department
CHILE Plus - Continuation 23-24 *$463,825*

Psychiatry & Behavioral Sciences

Christopher Abbott
National Institute of Mental Health
2/4 Deciphering Mechanisms of ECT Outcomes and Adverse Effects (DECODE) *$525,248*

National Institute of Mental Health
Electroconvulsive Therapy Amplitude Titration for Improved Clinical Outcomes in Late-Life Depression *$619,767*

National Institute of Mental Health
Electroconvulsive Therapy Amplitude Titration for Improved Clinical Outcomes in Late-Life Depression *$68,862*

Deborah Altschul
N.M. Behavioral Health Collaborative
Everyone Deserves *$211,000*

San Felipe Pueblo
San Felipe KEVA III - Katishtya Eh-wahs Valued Always III *$500,000*

David Arciniegas
Lovelace Biomedical & Environmental Research Institute
A Longitudinal Study of Traumatic Brain Injury in a High-Risk Population *$9,893*

University of Colorado
Emotional Dyscontrol in Veterans with Extended History of Mild Traumatic Brain Injury and Upright Balance Control and Auditory Sensory Processing Contributions *$11,442*

Caroline Bonham
Albuquerque Area Indian Health Service
IHS-Albuquerque Area Office Substance Abuse & Mental Health Clinical & Community Education Training & Outreach Services - Option Yr4 *$99,000*

Falling Colors Corporation
Forensic - BHSD FY24 *$90,000*

Indian Health Service
IHS Tele-Behavioral Health Center of Excellence *$650,000*

Indian Health Service
IHS Tele-behavioral Health, Training & Consultation - Modification 20 *$106,491*

Indian Health Service
IHS Tele-Behavioral Health, Training & Consultation - Modification 25 *$42,415*

N.M. Indian Affairs Department
NM IAD FY24 Suicide Prevention Initiative *$55,000*

Juan Bustillo
Boehringer Ingelheim Pharmaceuticals, Inc.
CONNEX 2 *$366,036*

The Mind Research Network
Phase III COBRE *$174,995*

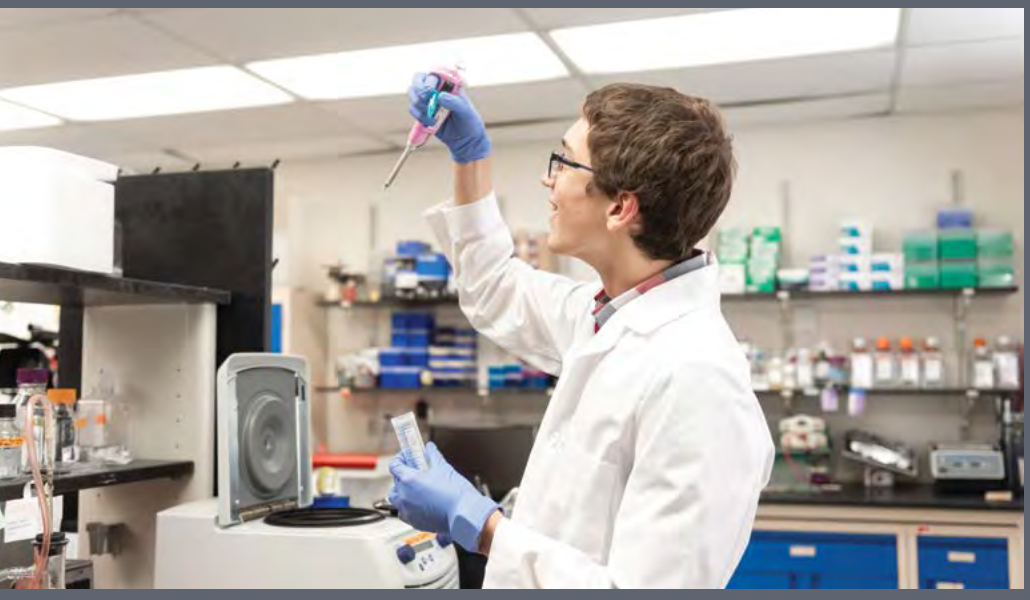
Richard Campbell
The Mind Research Network
The Impact of Diffuse Mild Brain Injury on Clinical Outcomes in Children *$7,919*

Thomas Chavez
Taos Pueblo Division of Health and Community Services
Taos Pueblo Tiwa Babies II *$88,850*

Annette Crisanti
City of Albuquerque
Albuquerque Police Department Crisis Intervention Team Extension for Community Healthcare Outcomes Coordination - FY24 *$99,999*

N.M. Behavioral Health Collaborative
Opening Doors for Homeless - FY24 - Opening Doors through Services and Supports for Homeless Individuals with Serious Mental Illness or Co-Occurring Disorder *$118,720*

Rebecca Ezechukwu
Center for Substance Abuse Treatment
Addressing Childhood Trauma through Intervention, Outreach, and Networking III *$400,000*



Center for Substance Abuse Treatment
Addressing Childhood Trauma through Intervention, Outreach, and Networking III *$400,000*

Brian Isakson
N.M. Children, Youth & Families Department
Healthy Transitions Expansion Program Behavioral Health Services Evaluation Supplement *$340,000*

Tyler Kincaid
N.M. Behavioral Health Collaborative
Certified Community Behavioral Health Clinic Extension *$250,000*

N.M. Behavioral Health Collaborative
Certified Community Behavioral Health Clinic Planning *$200,000*

N.M. Children, Youth & Families Department
Multi-Systemic Therapy Data Reporting Initiative - FY24 *$126,800*

David Lardier
Montclair State University
PFS - Paterson (N.J.) / Montclair State University Strategic Prevention Framework - Partnerships for Success Initiative - Year 4 of 5 *$21,000*

Montclair State University
Prevention Navigator - The Paterson (N.J.) / Montclair State University Substance Misuse, HIV and Viral Hepatitis Prevention Navigator Initiative for Racial/Ethnic Minorities Ages 13-24 - Year 3 of 5 *$25,000*

N.M. Public Education Department
N.M. Project AWARE Training Supplement - New Mexico Project Advancing Wellness and Resiliency in Education Training Supplement *$9,200*

Christopher Morris
Falling Colors Corporation
Systems of Care III *$277,306*

Jennifer Perillo
Falling Colors Corporation
Comprehensive Opioid, Stimulants, Substance Abuse Site-Based Program/ Law Enforcement Assisted Diversion (BHSD-funded) *$83,250*

Falling Colors Corporation
CRAFT Implementation - Community Reinforcement & Family Training Impementation (State-Funded) *$85,000*

N.M. Behavioral Health Collaborative
Comprehensive Opioid, Stimulants, Substance Abuse Site-Based Program/Law Enforcement Assisted Diversion - Final 3 Months of Federal Funding *$27,750*

Davin Quinn
The Mind Research Network
A Perspective Observational Study on Theraputic and Adverse Affects of Medical Cannabis for Chronic Traumatic Brain Injury *$21,834*

U.S. Army Medical Research Acquisition Activity
Multimodal Image Analysis and Guidance of Neuromodulation for Trauma-Related Symptoms *$2,479,978*

Julie Salvador
Falling Colors Corporation
New Mexico State Opioid Response 3 *$1,476,531*

Falling Colors Corporation
New Mexico State Opioid Response 3 - July-Sept 2023 of Federal Year 1 *$403,977*

Falling Colors Corporation
Workforce Clinical Supervision Training *$75,000*

N.M. Behavioral Health Collaborative
ECHO for Clinical Supervision - Extension for Community Healthcare Outcomes for Clinical Supervision *$155,700*

Mauricio Tohen
McLean Hospital
UNM/McLean First Episode Study *$46,140*

Ann Waldorf
Substance Abuse and Mental Health Services Administration
UNM-PCSS NP & Expansion - UNM Provider's Clinical Support System Nurse Practitioners & Expansion *$150,000*

Daniel Williams
Falling Colors Corporation
Assertive Community Treatment - 7-month Continuation *$150,000*

N.M. Behavioral Health Collaborative
Assertive Community Treatment - Final 3 Months *$34,202*

Deidre Yellowhair
Center for Substance Abuse Treatment
Trauma Informed to Build Resilient, Indigenous, Balanced Communities Enhanced With Strength - Yr 4 *$1,200,000*

Radiology

Gary Mlady
Indian Health Service
Medical Physicist- Albuquerque Indian Health Service - Continuation *$7,000*

Linda Schenkel
ABQ Orthodontics
Qualified Medical Physicists Services *$25,000*

Reed Selwyn
ABQ Orthodontics
Qualified Medical Physicists Services - Continuation *$25,000*

Central New Mexico Community College Radiologic Technology Program
Qualified Medical Physicists Services *$1,000*

City of Aztec
Qualified Medical Physicists Services *$25,000*

Four Corners ASC
Qualified Medical Physicists Services - Continuation *$25,000*

High Mesa Dental Arts, PC
Qualified Medical Physicist Services *$25,000*

Interventional Pain Associates
Qualified Medical Physicists Services *$25,000*

John F. Crisler, DDS, PA
Qualified Medical Physicists Services *$25,000*

Lovelace Health System
Qualified Medical Physicists Services - Continuation *$25,000*

N.M. Department of Health
Clinical Services for BCC Program Project *$89,675*

N.M. Department of Health
Clinical Services for BCC Program Project - Continuation *$126,941*

N.M. Department of Health
Provide Clinical Services for Enrolled in the BCC Program *$126,941*

New Mexico Center for Pain & Wellness
Qualified Medical Physicists Services *$25,000*

Rollin' Paws Mobile Veterinary Service
Qualified Medical Physicists Services *$25,000*

Sandia Pain Center LLC
Qualified Medical Physicists Services *$25,000*

Santo Domingo Health Center
Qualified Medical Physicist Services - Continuation *$25,000*

Signature Dental Partners Holdings, LLC
Qualified Medical Physicists Services *$25,000*

U.S. Department of Veterans Affairs
Provide Radiological and Nuclear Medicine Diagnostic and Therapy Services for NMVAHCS *$406,381*

X-Ray Associates of New Mexico
Qualified Medical Physicist Services - Continuation *$25,000*

Henrik Ullman
Foundation of the American Society of Neuroradiology
Stroke Imaging Biomarkers Using Cerebral Catheter Angiography *$28,356*

Student Services

Sheila Hickey
Health Resources and Services Administration
School of Medicine MD Scholarship for Disadvantaged Students - Non-Specific Supplement *$25,000*

Teresa Vigil-Baca
Health Resources and Services Administration
School of Medicine MD Scholarship for Disadvantaged Students - Continuation *$650,000*

Health Resources and Services Administration
School of Medicine MD Scholarship for Disadvantaged Students - Continuation *$650,000*

Surgery

Ross Clark
Exhalix, LLC
HEALS Phase II: An Active Hydrogen Sulfide Delivery Technique for Accelerated, Effective Wound Healing *$281,172*

Ryan Orosco
Alume Biosciences, Inc.
Clinical Trial - Alume Biosciences Loupes Study H&N *$91,021*

UNM HOSPITAL

Eve Espey
N.M. Prenatal Medical Services
DOH Prenatal Medical Services Project FY24 *$720,000*

Arthur Kaufman
UNM Hospital
Case Management Services for Bernalillo County *$300,000*

Rodney McNease
Bernalillo County
Behavioral Health Services FY24 *$2,000,000*

Robert Perry
N.M. Department of Health
DOH 2024 New Mexico Medical Reserve Corps FY24 UNM 030095 *$85,000*

N.M. Department of Health
DOH 2024 New Mexico Medical Reserve Corps FY24 UNM 030095 A1. *$23,925*

UNM MEDICAL GROUP, INC.

Elizabeth Kocher
Albuquerque Healthcare for the Homeless, Inc.
Locum Tenens Physician Services $25,000

Alma Family Medicine
Locum Tenens Physician Services $25,000

Cañoncito Band of Navajos Health Center
Locum Tenens Services *$25,000*

El Centro Family Health
Locum Tenens Physician Services $25,000

El Centro Family Health
Locum Tenens Physician Services $25,000

El Pueblo Health Service
Locum Tenens Physician Services $25,000

La Clinica del Pueblo de Rio Arriba
Locum Tenens Physician Services $25,000

Laguna Healthcare Corporation
Locum Tenens Services *$25,000*

Pueblo of Sandia
Locum Tenens Physician Services $25,000

Ramah Navajo School Board,Inc, dba Pine Hill Health Center
Locum Tenens Physician Services $25,000

Rehoboth McKinley Christian Health Care Services
Locum Tenens Physician Services $25,000

Santo Domingo Health Center
Locum Tenens Physician Services $25,000

Gary Mlady
First Choice Community Healthcare
Locum Tenens Physician Services $25,000

La Familia Medical Center
Locum Tenens Physician Services $25,000

Miners Colfax Medical Center
Locum Tenens Physician Services - Continuation *$25,000*

Miners Colfax Medical Center
Locum Tenens Physician Services - Continuation *$25,000*

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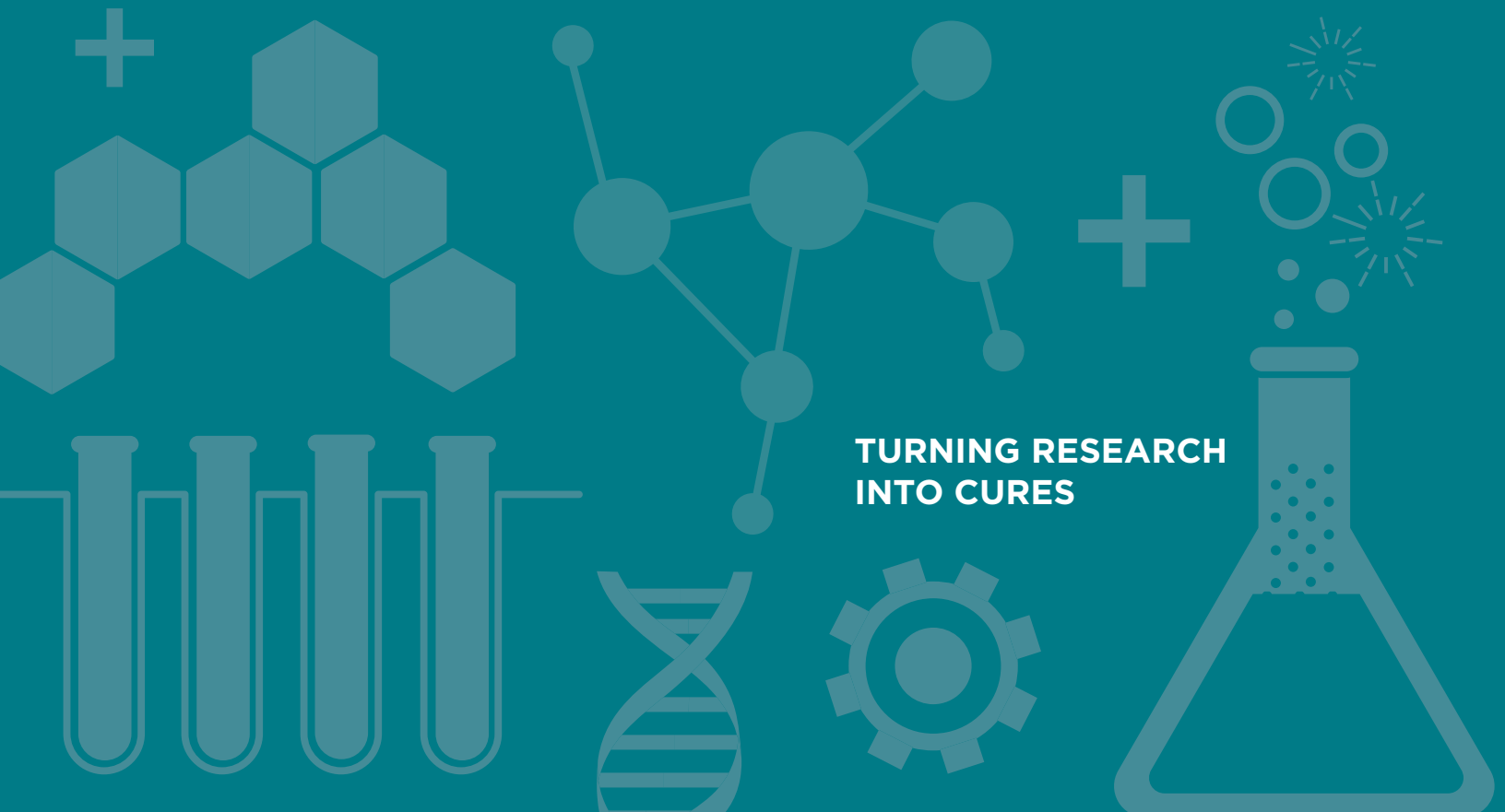
Albuquerque, NM 87131-0001

RESEARCH ANNUAL REPORT 2024

DISCOVERY

THE BRAIN ISSUE



TURNING RESEARCH INTO CURES