

UNIVERSITY OF NEW MEXICO HEALTH SCIENCES CENTER

# Discovery

Research Annual  
Report 2019

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## Grand Challenges

Building Cross-Campus  
Research Collaborations

**TURNING RESEARCH INTO CURES**

## **UNM Health Sciences Center Research Annual Report 2019**

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## **UNM HEALTH SCIENCES CENTER**

### **VISION**

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

### **MISSION**

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

### **CORE VALUES**

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

# Research Annual Report 2019

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PAUL B. ROTH, MD, MS

## Chancellor for Health Sciences

**W**hen it comes to research, our name pretty much says it all – the UNM Health Sciences Center. Biomedical research is the backbone of everything else we do, from providing state-of-the-art patient care to educating the next generation of New Mexico health care practitioners.

I'm proud to report that in the past year our researchers have once again demonstrated their focus, their passion and their truly amazing talent for innovation in multiple areas.

When President Garnett S. Stokes issued her Grand Challenges to advance signature research across the university at the end of last year, our faculty stepped forward with a host of creative ideas. HSC researchers successfully submitted two proposals – to promote successful aging and address substance abuse – that stand a strong chance of making a positive impact in our community.

Our extramural research funding matches almost exactly where we were last year, despite an overall decline in federal research money. This is thanks in large part to the skillful stewardship of our research enterprise.

Laboratory space is a premium on our campus, so one bright spot is the recent reinstatement of construction funding from the National

Institutes of Health. Thanks to a \$4 million NIH grant and matching funding from the Health Sciences Center, we will be able to commence construction of a new wing on Pete and Nancy Domenici Hall that will allow us to catapult our research in Neurosciences.

Over the past year, our scientists and their research teams have received much-deserved recognition for their discoveries in areas like vaccine development, cancer treatment, Alzheimer's therapy, community health interventions and much more.

Overall, our researchers are moving toward greater integration with our clinical practitioners in addition to their existing focus on conducting basic science. This promises to yield even more discoveries, new applications of existing technology and improved ways of providing clinical care.

And thanks to the major role played by the HSC in supporting the New Mexico Bioscience Authority, we are helping our state to realize the economic benefits of the cutting-edge research that happens here.

These many developments speak to the diversity and sophistication of our research environment. We have a great deal to be proud of, and I look forward to seeing what we will achieve in the coming year. ■

**T**he UNM Health Sciences Center's research mission encompasses a thriving scientific enterprise that is bringing hope for new cures to thousands of New Mexicans. But it is also a grant-funding powerhouse that makes a significant contribution to our state's economy and serves as an agent of change in our communities.

This year, I'm pleased to report that we continue our quarter century-long record of steady increases in extramural funding, with a total of nearly \$200 million in grants that support basic, translational and clinical research that has a positive impact on community health and health care throughout New Mexico. Many of these impacts are discussed in the stories in this year's report.

We have made real progress in the study of substance use disorder, with a particular focus on finding ways to stem the continuing tragedy of opioid overdose deaths in our state. The research ranges from assessing the impact of neonatal opioid exposure to developing new, more effective medical/behavioral interventions and to new vaccines that could block the craving for drugs.

Along these lines, we spent much of the 2019 fiscal year planning for the renewal of our key strategic grants – the Clinical and Translational Science

Award from the National Institutes of Health and the National Cancer Institute grant that supports our Comprehensive Cancer Center.

We were fortunate to receive an NIH construction grant earlier this year to support the addition of a 16,000-square-foot addition to Pete and Nancy Domenici Hall, adjacent to the UNM North Golf Course. When it is completed, the new wing will house faculty and laboratory space for our neurosciences and addictions-related research and will greatly enhance our efforts in these two critically important areas.

We are also extending our impact in multiple ways through forming strategic partnerships with the private sector and with other institutions in the community. We continue to play a central role in developing the New Mexico Bioscience Authority, which received staff funding from the New Mexico Legislature this year.

We are a key player (along with other local anchor institutions) in the Healthy Neighborhoods Albuquerque initiative, which is bringing jobs and addressing income inequalities in order to improve health in our neighborhoods that need it the most.

Finally, I want to thank the stellar faculty and staff whose efforts are reflected in this year's grant listings. Your hard work is the key to our success. ■



RICHARD S. LARSON, MD, PhD

## Executive Vice Chancellor for Health Sciences



CHRISTINE KASPER, PHD, RN

## Dean College of Nursing

**T**he College of Nursing has made incredible progress over the past year in building a robust research enterprise that will yield solutions to urgent problems and improve the health and health equity of New Mexicans.

This initiative starts with providing our students with a solid foundation in clinical and biomedical research. We're already seeing a dramatic improvement in how our program stacks up against other institutions.

We're now ranked No. 7 nationally for our nursing-midwifery program, and among the top 15% in the nation for the master of science in nursing program. We've also made an international list of the top 200 nursing programs in the world.

In a major step, we're launching a new program to admit University of New Mexico freshmen directly into our bachelor of science in nursing program. Applicants must already have been admitted into the UNM Honors College, and they can expect to be doing research, just like other Health Sciences students.

We'll encourage these students to pursue graduate studies, such as a master's-level advanced practice registered nurse or doctoral degree. We'll also help students apply for internships with the National Institutes of Health to hone their research skills.

We're restructuring the College into two departments to reflect these

priorities. One will focus on rural health and health equity, while the other will tackle bio-behavioral health and data science. We're conducting a search for faculty to chair these departments.

We received \$500,000 in funding from the Legislature this year to continue our leadership of the New Mexico Nursing Education Consortium, which works to coordinate curricula in nursing programs throughout the state.

We were pleased to fill 21 positions over the past year. Among our new faculty is Mary Patricia Couig, PhD, MPH, a retired rear admiral with the U.S. Public Health Service, who assumed the Carter-Fleck Endowed Professorship. She has extensive experience in state disaster preparedness and has led projects for the World Health Organization.

I have been fortunate to establish a laboratory at UNM to continue my own research, and earlier this year, we received a subaward grant from the American Association of Colleges of Nursing for the All of Us project – a major genome initiative to procure biological samples from a more diverse population.

This in turn will lead to more representative laboratory research. The New Mexico portion of the project has been extremely successful, as we were able to enroll many of our residents in the study. ■



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**C**ollege of Pharmacy faculty achieved more than \$12.1 million in extramural funding in FY19, the second-highest level of total research funding ever awarded to the College in a single fiscal year.

In addition to many individually funded research projects, we hold several nationally recognized federally funded center grants and programmatic awards, and have hosted prestigious research conferences that have drawn national and international attendees.

We continue to rank in the top tier among the colleges of pharmacy in the nation – and we are highly innovative. College faculty currently hold 45 active U.S. patents and dozens of pending patent applications. We receive funding from an array of federal, foundation and industry sponsors, and have numerous state partnerships.

Our faculty continue their tireless efforts to improve public health and address the health concerns for some of New Mexico's most vulnerable patient populations.

A team of environmental health scientists was recently awarded \$17 million in Phase 2 National Institutes of Health funding to assess the impact of environmental exposures to abandoned mine waste on birth outcomes and child development on the Navajo Nation.

We are examining the cardiovascular impacts of inhaled pollutants on maternal physiology during and

after pregnancy, as well as seeking to identify earlier markers for Fetal Alcohol Spectrum Disorders. This will particularly benefit very young children who often slip through the cracks with current diagnostic methods.

We are conducting research and providing treatment to enhance the lives of young adults in our LGBTQ community and those living with HIV. We are developing vaccines that have the potential to significantly improve the health of patients who regularly suffer from *Staphylococcus aureus* skin infections. And we are developing a technology to mask the bitter taste of drugs for pediatric patients.

In partnership with New Mexico Department of Health, we are evaluating the rational and appropriate use of anti-infective therapy to prevent antibiotic resistance and to treat tuberculosis. With both College and state funding, we are developing approaches to increase the availability and dispensing of naloxone to prevent deaths from opioid overdose.

Through industry and foundation funding, we have developed and are evaluating a population health curricular initiative to detect atrial fibrillation in patients at high risk for stroke.

I am grateful to those in the College who are involved with our research programs, and I am inspired by their resolve to improve the health of people in New Mexico, the nation and the world. ■



DONALD GODWIN, PHD

## Dean College of Pharmacy



TRACIE COLLINS, MD, MPH

## Dean College of Population Health

**W**hat is population health? It is an interdisciplinary approach to elucidating the multiple determinants of health in order to understand why some groups are healthier than others, and to determine how to improve health and health outcomes for diverse communities. Population health engages integrated strategies to help communities improve their health and expand access to high-quality and affordable health care.

The College of Population Health was established in 2016, becoming the second college of its type in the country. The College has experienced tremendous growth in its first-of-its-kind undergraduate degree program – and successfully maintained the master of public health degree program.

I have now served as dean for the College for just over five months. During this time, I have convened more than 200 one-on-one meetings. I have learned quite a bit from our excellent administrators, faculty and community partners. Our expertise in educating the future workforce in population health and public health is truly exceptional.

We have two active research centers. The Center for Participatory Research, led by Dr. Nina Wallerstein, has multiple participatory research projects with tribal partners. The Transdisciplinary Research, Equity, and Engagement Center, led by Dr. Lisa Cacari Stone, is a five-year, \$7 million grant funded by the National Institutes of Health that brings together multiple academic departments and community partners to address the root causes of substance

abuse and mental illness in New Mexico.

Our vision is for the College of Population Health to be globally recognized as a leader committed to health as a human right, thus we are committed to promoting health and social equity for everyone. Through education, applied research, policy, service and partnerships, the College of Population Health will:

- Educate a diverse workforce equipped with competencies in disease prevention, wellness, social determinants, environmental health, mental health, health care delivery and policy;
- Leverage our collective expertise in epidemiology, biostatistics, social sciences, community health, health policy and health care delivery to develop innovative interventions that are high-quality, data-driven and validated by multiple sources of evidence;
- Assess community, health system and environmental needs and assets in order to map disease, interventions and policies that warrant in-depth attention to improve health outcomes;
- Mobilize and expand partnerships within the UNM network, and with tribal, regional and global communities, public and private institutions and government agencies to advance health and social equity;
- Grow and sustain a College that is organizationally and financially strong with a climate that values and invests in human beings.

I look forward to meeting more of our stakeholders and I am excited for the future of the College. ■



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I am so pleased with the scholarly work being done on our campus. I am proud of each researcher and his or her research project – even more so when that research will ultimately have a positive effect on the health of New Mexicans.

This year, I want to highlight some of that research, as well as our learners who are doing research. Their work speaks for itself!

Kimberly Page, PhD, MPH, professor in the Department of Internal Medicine, received a \$2.8 million grant from the National Institute on Drug Abuse for the New Mexico Clinical Trials Node, which will enable clinical research and practice to address substance use in diverse, rural and underserved populations. This work has special relevance for New Mexico, which has long had one of the highest opioid overdose mortality rates.

Akshay Sood, MD, professor in the Department of Internal Medicine, received a \$700,000 grant from the National Institute of General Medical Sciences to promote mentor interventions among Underrepresented Minority Researcher faculty at three Southwestern institutions and expand the scientific scope of the National Research Mentoring Network.

Yuri Yoshida, PT, PhD, director of the Fred Rutan Gait and Motion Analysis Laboratory, has won recognition for providing a deeper empirical understanding of biomechanics and muscle physiology regarding functional recovery after total knee arthroplasty.

And as you'll read in this issue, School of Medicine faculty are leading two of the three interdisciplinary Grand Challenges initiatives set in motion last year by University president Garnett S. Stokes.

Janice Knoefel, MD, professor in the Departments of Internal Medicine and Neurology, co-leads the Successful Aging initiative, which will work to raise the threshold of functional status at which a person can remain independent, allowing individuals to have the resources to age in place.

Brandi Fink, PhD, assistant professor in the Department of Psychiatry & Behavioral Sciences, co-leads the Substance Use Disorders initiative. This Grand Challenge will take a coordinated, multi-systems approach to address substance use in New Mexico, making use of evidence-based implementation projects.

Meanwhile, the Community of Scholars, founded by medical students who desired a more intensive research experience, has evolved into a registered student organization. Participants work closely with faculty to explore their areas of interest, dedicating vacation and elective time to research. Many have secured grant funding, presented results at national meetings and published their findings in peer-reviewed journals.

Thank you to all of our researchers whose work improves the health of New Mexico and the world! ■



MARTHA COLE MCGREW, MD

## Executive Vice Dean, School of Medicine





# HSC Researchers Come Together to Confront the Grand Challenges

By Michael Haederle

Last fall, UNM President Garnett S. Stokes launched an ambitious plan to recruit university faculty to propose interdisciplinary solutions to pressing social problems. Tackling these Grand Challenges, she said, would enable the university to have a tangible impact on people and society.

President Stokes selected three Grand Challenges: Sustainable Water Resources, **Successful Aging** and **Substance Use Disorders**. The latter two are closely interwoven with



# REACHING FOR THE TOP



ongoing research initiatives at the UNM Health Sciences Center.

Janice Knoefel, MD, a geriatrician with a clinical practice at the UNM Memory & Aging Center, heads up the Successful Aging initiative, while Brandi Fink, PhD, an assistant professor in the Department of Psychiatry & Behavioral Sciences, co-leads the Substance Use Disorders Grand Challenge with Katie Witkiewitz, Regents' Professor in the Department of Psychology.

"The Health Sciences Center was very fortunate to have two of its proposals selected as Grand Challenges,"

says HSC executive vice chancellor Richard S. Larson, MD, PhD. "This clearly reflects our commitment to conducting high-impact research that will translate into improved health care for New Mexicans."

Each of the Grand Challenge teams has received funding to launch pilot programs to test out potential solutions, Larson says.

The **Successful Aging** proposal has a special urgency because New Mexico's population is rapidly aging, according to Knoefel. "We all are getting older," she says. "There are some things we can't prevent. But a lot of what people think of as aging is really disease. We've known that for a long, long time."

The proposal grew out of an informal process begun within the UNM School of Medicine in Fall 2018 by David Scrase, MD, a fellow geriatrician who earlier this year was appointed secretary of the New Mexico Human Services Department, Knoefel says.

Scrase convened a series of meetings with faculty whose shared

expertise centered on treating older patients. When President Stokes issued her call for research, "We were well-positioned to go for the Grand Challenge, because we had already started meeting," Knoefel says.

The proposal put forward on behalf of Successful Aging started with prevention, reaching out to people before they have age-related cognitive impairments and urging them to exercise and maintain social connections, Knoefel says. "The whole emphasis is on compressing disability," she says. "We want to keep people as functional and healthy as possible."

For those who are starting to show deficits, it is important to know who they are. "We would start to identify individuals at risk through health assessments at senior centers," she says. The College of Nursing has been conducting such assessments for more than 20 years, she says, but these efforts could be expanded to include medical and pharmacy students.

"Once we have identified people who have needs, we have to do further assessment," Knoefel says. This could entail home visits from physical and





"The whole emphasis is on compressing disability. We want to keep people as functional and healthy as possible."

– Janice Knoefel, MD



"(W)e will engage schools and communities, general medical settings, specialty treatment settings and the criminal justice systems."

– Brandi Fink, PhD

occupational therapists trained to ask, “What can we recommend as professionals to keep people optimally independent?”

And finally, when dementia and other cognitive impairments require intensive care, it’s important to pay attention to the caregivers, Knoefel says.

“Our idea was to really start to test out if care management actually makes a difference for the caregiver,” she says. When caregivers feel overburdened, the people they’re caring for make much higher use of health care resources and emergency department visits.

**Substance use disorder**, including addiction to alcohol, opioids and other substances, has taken a grim toll on New Mexico families, says Fink, who maintains a clinical practice focused on addiction treatment alongside her research interests.

Some 66% of opioid overdose deaths are due to prescribed opioid medications, she says, while data from the Office of the Medical Investigator show that in every Albuquerque zip code eight to 12 people die each year from an opioid overdose. “It’s an equal-opportunity offender,” Fink says.

“What we’re looking to do is coordinate and integrate interventions

across multiple systems to really try to reverse the trend,” Fink says. “Part of the way we’re going to do that is to target the most-affected communities for intervention, while increasing the scientific basis for interventions.”

The Grand Challenge has set a high bar for success, Fink says. By 2030, it seeks to reduce alcohol, opioid and other substance mortality by 45% and substance-related consequences (including overdose, injury, and accidents) by 40%. It further seeks to cut crime, incarceration and recidivism by 20%, adverse childhood experiences by 20%, and overall economic costs of substance-related illness and death by 20%.

“To accomplish these goals, we will engage schools and communities, general medical settings, specialty treatment settings and the criminal justice systems,” Fink says. One of the overarching aims is to enhance resilience against substance use through prevention efforts, especially in Native American and rural communities, she says.

It is also important to improve screening and treatment for substance use disorders in general medical and specialty treatment settings. And there is a pressing need to improve access to substance abuse treatment for those who have become involved with the criminal justice system, Fink says.

The Substance Use Disorders team, which includes collaborators from throughout the Health Sciences Center and across Main Campus, has already garnered funding for nine pilot projects.

“As part of our Grand Challenge, with our money we are funding a pilot study to evaluate the implementation of Senate Bill 221, which requires opioid overdose counseling and naloxone co-prescribing,” Fink says. Prescriptions for naloxone, which rapidly reverses the symptoms of an opioid overdose, have sharply increased, and the number of overdose reversals has grown by nearly two-thirds, she notes.

In another initiative, Fink plans to engage with providers who have received a mandatory notification letter when a patient has died from an opioid drug they have prescribed.

“We’re looking at using those as opportunities to provide additional trainings, provide anxiety and depression screens and train providers to rely on those screens in writing an opioid prescription,” she says.

She also wants to implement an opioid stewardship program, to monitor opioid prescribing patterns and intervene with prescribers when necessary. “These are easy things to put in place,” Fink says. “And they have a big impact.” ■



# **Closing the Gap Between Basic Research and Patient Care**

The Success of UNM's KL2 Scholar Program



By Yamhilette Licon Muñoz

**T**ranslational research involves applying multi-disciplinary research to improve health outcomes and community benefit. Since 2010, The University of New Mexico's Clinical and Translational Science Award has funded the UNM Clinical & Translational Science Center in its mission to enhance the transfer of research from laboratories to clinical practice and out into communities.

The KL2 Mentored Clinical Research Scholar Awards are part of the National Institutes of Health Clinical and Translational Science Awards Program, which has the goal of supporting a national network of medical research institutions to improve translational research.

Specifically, KL2 awards support career development for clinical investigators.

"The goal is to provide junior faculty assistant professors with some guaranteed funding and protected time so they can pursue translational research," says Matthew Campen, PhD, UNM's current KL2 director and professor in the College of Pharmacy. "We have four slots at any given time."

When there is an opening, the KL2 program interviews candidates from inside and outside the state. Ideal candidates are health professionals with a doctoral degree (e.g., PhD, MD-PhD, PharmD, MD or equivalent), with a minimum of two years of post-terminal degree research experience. KL2 scholars are expected to obtain extramural funding while in the program and they commit to a career in translational research.

Successful candidates generate a plan for a clinical and translational research project – this is a crucial part of the selection process.

"A lot of times we only do basic science work that is far removed from patients," Campen says, "while this program centers on the clinic, and

our investigators focus on research questions that are in immediate need by the community."

Currently, UNM has four KL2 scholars. Eliseo Castillo, PhD, (FY17-present) studies immunity in the gut. Kathryn Frieze, PhD, (FY18-present), *shown on page 17*, tries to transform antibody responses into targeted therapeutic or prophylactic interventions for infectious and chronic diseases. Daryl Domman, PhD, (FY 20-present) uses genomics to investigate how infectious diseases, such as cholera, cause global pandemics in hopes of developing more effective programs to stem the spread of disease. Justin Baca, MD, PhD, (FY18-present) tests the efficacy of novel point-of-care devices through clinical trials in the Emergency Department.

The program has a multi-disciplinary, collaborative advisory committee, and each scholar has two mentors: one who works with basic science, and the other with clinical science.

"Diseases are multifactorial," Campen explains, "so we want our scholars to work in a multi-disciplinary setting to solve translational research questions. We encourage them to embrace the complexities of those questions and take that perspective forward into their careers."

KL2 Mentored Clinical Research Scholar Awards promote the career development of junior faculty and help them become the next generation of translational researchers. The NIH keeps track of how many of them are still doing clinical translational research.

"Our statistics so far show 100% success," Campen says. "All our scholars are still doing translational research. Most of them work in UNM and are leaders in the program." ■



*Justin Baca, MD, PhD*



*Eliseo Castillo, PhD*



*Daryl Domman, PhD*

# Overcoming the Opioid Crisis One Lab at a Time

## *UNM Scientists Bring Research From Bench to Bedside*

By Nicole Maphis

**W**ith drug manufacturers facing litigation, bankruptcy and restructuring, many are asking who will pay the tab for the nation's opioid crisis. Unfortunately, it seems to be the people who suffer from substance use disorders and their families. In fact, more than 130 people die each day in the United States as a result of opioid overdose, and at times the challenges surrounding the opioid crisis seem insurmountable.

UNM Health Sciences Center researchers are tackling the problem on many fronts, from the bench to the bedside – and back again. Often, these efforts run in parallel, but they work best together, using the preclinical data observed in mouse models and in cell cultures to inform the clinical responses – and vice versa, using clinical patient data sets to solve preclinical questions.

Not surprisingly, as the opioid crisis continues to surge, staggering rates of opioid addiction are also seen in pregnant women.

The tiniest victims of the opioid crisis are exposed to the drugs in utero, and after birth they often experience neonatal opioid withdrawal syndrome (NOWS). Symptoms include prolonged crying, sleeplessness, respiratory distress, excessive sucking, tremors and even seizures, sometimes severe enough to cause permanent brain damage.

According to the Centers for Disease Control and Prevention, incidence of NOWS grew nearly 400% between 2000 and 2013, and could affect as many as 2% of all births. The typical intervention for a baby with suspected NOWS is close observation, followed by medication-assisted therapy (MAT), such as methadone or buprenorphine.

Ludmila Bakhireva, MD, PhD, MPH, a professor and epidemiologist in the UNM College of Pharmacy, recently published a small study in the journal *Early Human Development* looking at the outcomes for those infants who receive MAT, versus those who don't.

The study, which involved 78 maternal-infant pairs, observed that there was “little-to-no effect of MAT and pharmacological treatment of NOWS on infant neurodevelopmental and behavioral outcomes at 5-8 months of age,” which hadn't been assessed before.

Interestingly they uncovered that one of the side effects of MAT and the prolonged hospital stays that go along with the treatment, could be “higher family distress,” which will be the focus of future work.

An ongoing research project, bringing together the clinical and

*Continued on pages 16-17*



*The tiniest victims of the opioid crisis are exposed to the drugs in utero, and after birth they often experience neonatal opioid withdrawal syndrome.*



*Ludmila Bakhireva, MD, PhD*





the pre-clinical worlds, between Bakhireva and Nora Perrone-Bizzozero, professor in the Department of Neurosciences, seeks to identify and explore biomarkers found in the umbilical cord blood of infants.

They hope to determine which infants will most benefit from these types of interventions. By identifying and measuring these molecules called micro-RNAs circulating in the blood, they hope to predict which children will benefit most from interventions following NOWS diagnosis.

New funding from the National Institute on Drug Abuse has led to the creation of a clinical trial node at UNM to study, among other things, the differences between injectable and sublingual applications of buprenorphine, a common treatment for opioid addiction. Other trials will begin soon on how to prevent and treat other substance use disorders.

The task of managing so many researchers can seem overwhelming, but epidemiologist Kimberly Page, PhD, professor in the Department of Internal Medicine, manages just fine.

Her group has worked hard at developing the Southwest Clinical Trial Node (SW-CTN), the first of its kind to be established at UNM in nearly 20 years, with the ultimate goal of reducing the medical consequences of opioid addiction.

She is particularly focused on reductions of soft tissue infections and blood-borne pathogens in these patient populations. "It typically

takes 17 years to get evidence into clinical practice," Page says, but her node "seeks to shorten that interval by engaging with clinicians in clinical settings." In fact, her team has a subcommittee investigating new ideas for protocol development. This extremely active engagement group is comprised of community stakeholders, including the UNM Brain and Behavioral and Health Institute and the Department of Psychiatry & Behavioral Sciences, with an ultimate goal of growing collaborations in neighboring Colorado and Arizona.

"The strength of a SW-CTN is that New Mexico has a widely diverse population, which is largely rural," Page says. "Successful completion of programs here could broadly translate to the rest of the U.S."

Working to understand how substance use disorders change the brain and affect substance abuse programs is the focus of another lab, led by Brandi Fink, PhD, assistant professor in the Department of Psychiatry & Behavioral Sciences.

Fink used functional magnetic resonance imaging (fMRI) to assess which parts of the brain would light up, signaling activation, during specific tasks. Then she programmed a computer to calculate and learn specific associations – a form of machine learning. The goal of this project was to see if the complex relationship between different regions of the brain and their functional network connectivity could predict success or failure in a substance abuse

treatment program.

As it turned out, when machine learning was applied to fMRI studies of incarcerated women, it was able to accurately predict which patients would successfully complete a substance abuse treatment plan. In fact, Fink's algorithm was able to predict the outcome better than other clinical assessments, such as psychopathy, anxiety and depression, as well as motivation for change or age, sex, IQ and years of substance use.

Fink's work illustrating these irregular neural connections, which predicted outcomes for those on a substance abuse treatment plan, could help to identify new targets for drug interventions with the aim of reducing or eliminating substance use disorder.

But what if we could stop opioid addiction from even occurring in the first place?

That's what the lab of Kathryn Fietze, PhD, a KL2 scholar, and assistant professor in the Department of Molecular Genetics & Microbiology, hopes to do. Working with collaborators Naomi Lee, at Northern Arizona University, and Bryce Chackerian, PhD, professor in of Molecular Genetics & Microbiology, Fietze's project centers around the development of a vaccine to target opioids.

A recent \$250,000 grant awarded to the team will focus on whether using a virus-like particle (VLP) to create a vaccine could prevent or halt drug addiction. The vaccine would elicit an immune response to opioid

***But what if we could stop opioid addiction from even occurring in the first place?***

drugs, rendering the recipient unable to experience the “high” from the drugs. They got the idea for the project, after the National Institutes of Health had put out a call to the scientific community for new approaches to opioid vaccines.

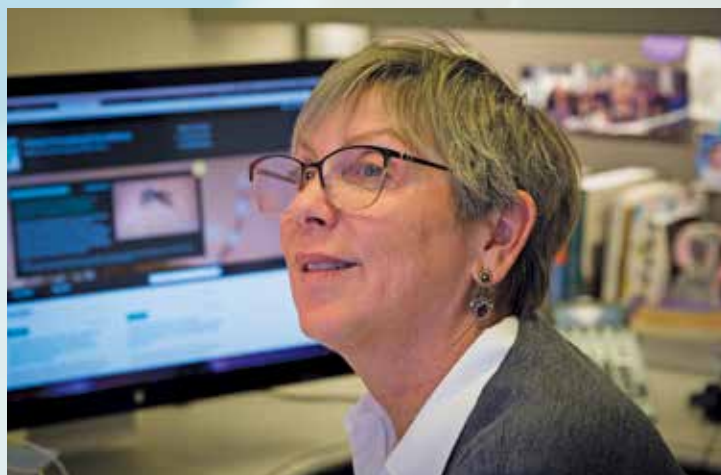
Other work being done on vaccines looks promising, except that these approaches typically require many immunizations because they do not last very long. Because a VLP platform tends to elicit a more robust immune response with fewer required immunizations, they hope their approach would be more useful in people with substance use disorders who typically have a more difficult time coming in for repeated treatments.

Even though the work is still in its very early stages, Fietze says, “We have really promising results so far with our vaccine. We get very good responses in our initial animal studies. Next we plan on testing whether the vaccine prevents the effect of the drugs.”

The diverse array of researchers and research methods to overcome the scourge of opioid abuse holds promise to help New Mexico and the world. ■



***Nora Perrone-Bizzozero, PhD***



***Kimberly Page, MD, MPH***



***Katherine Fietze, PhD***





Christina Salas (left) with Deanna Mercer, MD

# Engineering Excellence

## Christina Salas Brings Passion and Ingenuity to Developing Novel Technology

By Emily Monteiro Morelli

**U**NM biomechanical engineer Christina Salas, PhD, an assistant professor with cross appointments in the School of Medicine and the School of Engineering, juggles a busy teaching load while finding time to run three highly active labs.

Her devotion to her work exemplifies UNM's strong commitment to innovation and entrepreneurship.

One focus of her research results from a graduate course she teaches every fall semester based on the model of fellowships at Stanford University.

"It's a bio-design course open to graduate students across the

School of Engineering and from the HSC's Biomedical Sciences Graduate Interprofessional Education programs, with the goal of developing medical devices," she explains.

Before the course starts, Salas identifies a focus area and then embarks on a holistic view of potential problems to solve. She brings in guest faculty to orient students to physical challenges or limitations faced in their practices and takes students on field trips.

"We've looked at geriatrics, trauma and rehabilitation, and visited the helicopter pad, the emergency room, an ambulance bay and rehab facilities to see problems in action."

Students brainstorm, then vet their ideas against a set of 10 acceptance criteria, before splitting into groups to research and develop potential devices for the bulk of the semester.

The class culminates with competitive pitches before a panel.

"It's important to bring in Anderson School of Management faculty to help with marketing research, and other collaborators, angel investors and STC.UNM, to advise students on all aspects of development during the build-up to their pitches," she notes.

Winners receive \$50,000 of seed money and the chance to work

closely with Salas in her lab.

“I help them develop and test prototypes throughout the course of the year, and work through the steps of starting a business with them,” she notes. Students work with STC. UNM to protect intellectual property and pursue patents, if appropriate.

Winning devices have included a lower limb prosthetic device, a device for emergency responders to lift bariatric patients, a device that universally fits wheelchairs to support immobile limbs in stroke recovery, and a diagnostic patch for biomarkers in interstitial fluid to detect traumatic brain injury.

Salas’ second research effort focuses on education, working with co-principal investigators David Groh, MD, and Deanna Mercer, MD, (her colleagues in the Department of Orthopaedic Surgery & Rehabilitation) to measure outcomes in the use of drills, saws, probes and other tools by surgical residents.

“By turning surgical tools into ‘smart’ tools by placing sensors on them, we’re able to measure residents’ motor skills performance and also evaluate training in the surgical program,” Salas says. The team collaborates with seven other Southwestern universities annually to gather first-year resident data over the course of four days, and then compare results.

“We can then look at contrasts between programs and opportunities to collaborate in training – for instance, if one institution does consistently better with a certain instrument,” Salas explains.

However, it’s the exciting research in Salas’ 3-D printing lab that has garnered national attention.

In 2014, she was looking for an orthopedics problem to tackle through the use of 3-D printing. She turned her

## “Dr. Salas’ research is cutting-edge and will revolutionize the way orthopedic surgery is performed over the next decade.”

– Richard S. Larson, MD, PhD

attention to the problem of ruptured ligaments, such as torn anterior cruciate ligaments.

Currently, the way to treat those injuries is to go to a site near the injury and take a portion or all of a perfectly functioning tendon to use in reconstructing the geometry of the ligament by drilling bone tunnels, pulling the tendon through and tacking the ends down with bone screws.

Salas found the challenge to improve this process intriguing.

“It is a very complex problem,” she says, “because you are working with functional tissue. So you don’t just have to make it look right – it has to be mechanically competent when someone is walking or running and bearing a load.”

Salas saw an opportunity to solve this problem by going all-out to develop a total joint replacement technology.

She and her team have developed a unique platform that combines 3-D bio-printing and near-field electro-spinning to fabricate bone-ligament tissue engineering scaffolds in one unit. She is able to produce multi-material, multi-scale and biodegradable scaffolds and test their effectiveness with simulation.

“The intention is to produce a single unit for total joint replacement, with biodegradable manufactured tissues for eventual natural replacement by the body,” Salas explains.

The excitement surrounding her work is palpable on campus and off.

In 2018, Salas was awarded a two-year supplemental grant from the National Institutes of Health through the UNM Clinical & Translational Science Center, with executive vice chancellor Richard S. Larson, MD, PhD, serving as co-PI. “Dr. Salas’ research is cutting-edge and will revolutionize the way orthopedic surgery is performed over the next decade,” Larson says.

Salas holds one patent, with several pending and has published extensively and presented her work around the world. In 2019, she was a finalist for the Orthopaedic Research Society New Investigator Award, and recognized by the National Institutes of Health at the Future Research Leader Conference as an invited lecturer and recipient.

Her ability to bridge disciplines, innovate and forge partnerships also makes her uniquely qualified for the role of special assistant to the Dean of Engineering for HSC relations.

“In the past five or six years, Main Campus and HSC have collaborated on events such as the Hackathon and Bioventure,” she says. “We are creating opportunities to bring in new faculty and bring people together.”

Salas’ remarkable talents and work ethic clearly represent the direction of scientific research at UNM and beyond – innovating in and out of the laboratory space, making connections between disciplines, bringing researchers together and teaching a generation of future scientists to achieve the same. ■



# Training Grants 2019



**Rosstin Ahmadian, PhD Candidate**  
T32 Scholar, NIH  
*Oxidant signaling in pulmonary hypertension*  
Mentor: Thomas Resta, PhD



**Eduardo Anaya**  
T32 Scholar, NIAID  
*Infectious Disease, Cell Signaling, Biophysics*



**Camden Bair, PhD Candidate**  
T32 Scholar, NIAID  
*The impact of human adenovirus type 4 intratypic genetic variability on viral pathogenesis*  
Mentor: Adriana Kajon, PhD



**Victoria Balise, PhD**  
K12 Scholar, NIGMS  
*Hematopoietic stem cells*  
Mentor: Jennifer Gillette, PhD



**Daniel Barto, PhD**  
K12 Scholar, NIH  
*Computational psychiatry; neural markers of psychological disorders; developmental neurobiology*  
Mentor: Elaine Bearer, MD, PhD



**Cindy K. Blair, PhD, MPH**  
K07 Scholar, NCI  
*Developing and disseminating home-based interventions to improve the health and well-being of underserved cancer survivor populations*



**Roger Brown, PhD**  
T32 Scholar, NIAID  
*Developing bioinformatics methods for studying RNA processing events in cellular differentiation of the immune system*  
Mentor: Scott Ness, PhD



**Janie Rae Byrum, PhD Candidate**  
T32 Scholar, NIAID  
*T cell immunology, particularly motility of T cells in lymph nodes and the molecular and structural factors that facilitate target cell identification*  
Mentor: Judy Cannon, PhD



**Sharina Desai, PhD**  
T32 Scholar NIAID  
*T cell trafficking during ovarian cancer disease progression in the peritoneal tumor environment*  
Mentor: Sarah Adams, MD



**Tammi Duncan, PhD**

K12 Scholar, NIH

*The potential role of zinc as a way to attenuate the carcinogenic effects of environmental metals on DNA repair mechanisms*

*Mentor: Laurie Hudson, PhD*



**Daniel Falcon, PhD**

K12 Scholar, NIH

*Studying the role of iron and other micronutrients in the initiation and progression of colorectal cancer*

*Mentor: Xiang Xue, PhD*



**Máté Fischer, PhD Candidate**

T32 Scholar, NIAAA

*Using first trimester-equivalent binge-drinking model to assess alterations to gene expression, cell fate determination and cortical regionalization in human stem cell-derived cortical neurons*

*Mentor: Jason Weick, PhD*



**Muskan Floren, PhD Candidate**

F31 Scholar, NCI

*Acute myeloid leukemia resistance and relapse*

*Mentor: Jennifer Gillette, PhD*



**Selina Garcia, PhD Candidate**

F31 Scholar, NHLBI

*Cardiovascular physiology*

*Mentor: Nikki Jernigan, PhD*



**Ryan E. Harvey, PhD Candidate**

T32 Scholar, NIAAA

*Understanding the impact of prenatal alcohol exposure on hippocampal-parahippocampal place, grid and head direction signals*

*Mentor: Benjamin Clark, PhD*



**Julie In, PhD**

KO1 Scholar, NIDDK

*Defining the functional characteristics of Enterohemorrhagic E. coli-Secreted Protein*

*Mentors: Olga Kovbasnjuk, PhD; Eric Prossnitz, PhD; Jennifer Gillette, PhD; Edgar Boedeker, MD; Mary Estes, PhD*



**Elton Jhamba, PhD**

K12 Scholar, NIH

*Developing super-resolution microscopy technologies to study protein-protein interactions on mast cell membranes in allergic responses, as well as the interplay of receptor tyrosine kinases on cancer cells*

*Mentors: Diane Lidke, PhD; Keith Lidke, PhD*



**Benjamin Lantz, PhD Candidate**

T32 Scholar, NIH

*Pulmonary hypertension*

*Mentor: Laura Gonzalez Bosc, PhD*







**Daniel A. Lujan, PhD Candidate**

F31 Scholar, NCI

*RNA biology; breast cancer biology; immunology*

*Mentors: Rebecca S. Hartley, PhD; Nora Perrone-Bizzozero, PhD*



**Adrian J. Luna, PhD Candidate**

F31 Scholar, NCI

*Investigating the role of EGFR signaling in the HPV life-cycle*

*Mentor: Michelle Ozbun, PhD*



**Perenkita Mendiola, PhD Candidate**

T32 Scholar, NIH

*Identification of endogenous regulators of cystathione gamma-lyase in endothelial cells*

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



**Emily Morin, PhD**

T32 Scholar, NIH

*Endothelial cholesterol regulation of vascular tone in hypertension and vascular disease*

*Mentor: Jay Naik, PhD*



**Sarah Olguin, PhD Candidate**

T32 Scholar, NIAAA

*Studying the mechanism of impaired cognitive control after prenatal alcohol exposure using touchscreen-adapted operant behavior, in vivo electrophysiology, EEG recording, and immunohistochemistry*

*Mentor: Jonathan Brigman, PhD*



**Erica Pascetti, PhD Candidate**

T32 Scholar, NIH

*Hematopoietic stem and progenitor cells*

*Mentor: Jennifer Gillette, PhD*



**Gabriela Perales, PhD Candidate**

T32 Scholar, NIH

*Studying novel mechanisms that contribute to the teratogenic effects associated with prenatal alcohol exposure*

*Mentor: Amy Gardiner, PhD*



**Melanie Rivera, PhD Candidate**

F31 Scholar, NCI

*Studying the role of Rac1 protein in the spread of ovarian cancer*

*Mentor: Angela Wandinger-Ness, PhD*



**Rebecca Sena, PhD Candidate**

T32 Scholar, NIAAA

*Researching the impact of prenatal ethanol exposure on histaminergic neurotransmission in the hippocampus*

*Mentors: Daniel Savage, PhD; C. Fernando Valenzuela, MD, PhD*



**Hailey Sedam, PhD**  
 K12 Scholar, NIH  
*Studying adenoid cystic carcinoma and investigating the molecular mechanisms and genomic signatures of this disease*  
 Mentor: Scott Ness, PhD



**Crystal Vander Zanden, PhD**  
 K12 Scholar, NIH  
*Early aggregation events of amyloid beta (Alzheimer's disease)*  
 Eva Chi, PhD



**Nikole Warner, PhD**  
 K12 Scholar, NIH  
*Using a deep sequence-coupled biopanning technology to characterize the specificity of the antibody response to DENV in sera from infected patients*  
 Mentor: Kathryn Frieze, PhD



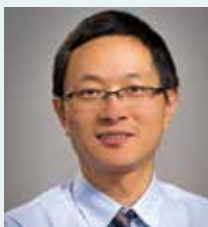
**Jordan Weisend, PhD Candidate**  
 T32 Scholar, NIH  
*Cell and molecular mechanisms of protection induced by spreading depolarizations occurring in remaining viable brain tissues following stroke*  
 Mentor: C. William Shuttleworth, PhD



**Lea Weston, PhD Candidate**  
 T32 Scholar, NIAID  
*Investigating the relationship between neuroinflammation and tau pathology. Determining the role of anti-inflammatory cytokine IL-10 in tauopathies, such as Alzheimer's disease*  
 Mentor: Kiran Bhaskar, PhD



**Christine Woods, PhD**  
 K12 Scholar, NIH  
*Examining the contribution(s) of GPER in metabolic homeostasis and determining its therapeutic potential on adiposity and metabolic dysfunction*  
 Mentor: Eric Prossnitz, PhD



**Xiang Xue, PhD**  
 KO2 Scholar, NIDDK  
*Iron metabolism in GI diseases*  
 Mentors: Eric Prossnitz, PhD;  
 Olga Kovbasnjuk, PhD



**Sheldwin A. Yazzie, PhD, MPH**  
 K12 Scholar, NIH  
*Investigating disparate environmental exposures and disease rates among disadvantaged populations, specifically on American Indian/Alaska Native populations*  
 Mentors: Charles Wiggins, PhD;  
 Kevin English, DrPH





# Excellence in Research Awards 2019

The UNM Health Sciences Center's 11th Annual Research Day Awards Ceremony was held Nov. 15, 2019. The event, hosted by Executive Vice Chancellor Richard Larson, MD, PhD, and Paul Roth, MD, MS, Chancellor for Health Sciences, recognized six scientists who were nominated by their peers and selected for recognition by a faculty committee on the basis of their outstanding research contributions.



(From left to right) Paul B Roth, MD MS, Chancellor for Health Sciences; Lisa Cacari Stone, PhD; Esther Erdei, PhD, MPH; Angela Wandinger-Ness, PhD; Christina Salas, PhD; Thomas Resta, PhD; Richard S. Larson, MD, PhD

## Esther Erdei, PhD, MPH Pharmacy Team Science

As an immunologist and epidemiologist in the Department of Pharmaceutical Sciences, Esther Erdei has been involved in several major population-based studies, particularly in Native American communities in New Mexico and South Dakota. She has

analyzed clinical samples from study participants for various biomarkers of immune impairment. Her reputation in immunology has also landed her on several review boards for NIH grant proposals. Since 2006, she has been co-author on 16 papers with other UNM researchers. These have included both technical papers in immunology and others on the application of immunology to public health.

## Thomas Resta, PhD Cell Biology & Physiology Basic Science

Thomas Resta's research focuses on chronic hypoxia and intermittent hypoxia-induced pulmonary hypertension. As a principal investigator, he has maintained continuous funding through the National Institutes of Health and the American Heart

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Association for nearly 20 years. He holds an Ro1 grant examining vascular smooth muscle signaling in intermittent hypoxia-induced pulmonary hypertension. In 2016, he took over as the principal investigator and director of the T32 grant Minority Institutional Research Training Program in Cardiovascular Biology. His research has particular relevance in New Mexico, where the incidence of cardiovascular-related disease is high, especially among the Hispanic and Native American populations.

### **Lisa Cacari Stone, PhD** Population Health Population Science

Lisa Cacari Stone is the founder and principal investigator for the Transdisciplinary Research, Equity and Engagement (TREE) Center, funded by the National Institutes of Health, which tests multi-level interventions with partner faculty, staff and students drawn from across the UNM campus. She brings “real-life” experience to understanding health and disease as a former licensed behavioral health provider, director for a comprehensive child welfare agency, director of senior services, executive director of a rural federally qualified mental health clinic, state medical director and women’s health liaison with the U.S. Department of Health and Human Services.

### **Christina Salas, PhD** Orthopaedics & Rehabilitation Junior Faculty

With dual appointments in the Department of Orthopaedics & Rehabilitation and the School of Engineering, Christina Salas maintains a busy research and teaching schedule. In her lab she is developing an advanced biomanufacturing process to fabricate bone-ligament tissue scaffolds. She is quickly becoming a leader in the area of advancing biomanufacturing for orthopaedic applications. This year, she was recognized by the National Institutes of Health as a Future Research Leader – one of 25 nationally. She was also an invited panelist for the Advances in 3-D Printing and Biofabrication Workshop at the 2019 Orthopaedic Research Society annual meeting.

### **Mark Unruh, MD** Internal Medicine Clinical Science

Mark Unruh is a physician scientist who focuses on improving patient outcomes in chronic kidney disease. He has two primary avenues of investigation, the first being the impact of dialysis interventions on patient reported outcomes. The second is investigating sleep quality and sleep disorders in patients with chronic kidney disease with the aim of developing interventions in this at-risk group. He has also worked with community cohorts to describe sleep quality and sleep apnea in the general population and recently completed trials assessing the role of volume overload in the risk of obstructive sleep apnea.

### **Angela Wandinger-Ness, PhD** Pathology Teaching and Learning

The associate director for Education, Training and Mentoring at the UNM Comprehensive Cancer Center, Angela Wandinger-Ness oversees the Cancer Center’s education and training program. Wandinger-Ness, the Victor and Ruby Hansen Surface Endowed Professor in Cancer Cell Biology and Clinical Translation, was awarded a competitive National Cancer Institute Continuing Umbrella of Research Experiences award. Over the past five years, the program has supported the research training of 57 undergraduate and high school Native American scholars at the Cancer Center. She has also had a profound impact on hundreds trainees in basic, translational and clinical research.



Mark Unruh, MD



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## OFFICE OF THE CHANCELLOR

### Sheila Hickey

Health Resources and Services  
Administration  
*Scholarship for Disadvantaged Students -  
Continuation* \$650,000

### Elizabeth Kocher

Lynore M. Martinez, M.D., Professional  
Association  
*Locum Tenens-Santa Fe OBGYN* \$25,000

Pueblo of Sandia  
*Locum Tenens- Sandia  
Health Clinic* \$25,000

Presbyterian Healthcare Services  
*Professional Services* \$5,000

### A. Robb McLean

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

New Mexico Department of Health  
*Physician, PA and NP Project -  
Specific Supplement* \$50,000

New Mexico Department of Health  
*Locum Tenens Program DOH Physician,  
PA and NP Services - Specific  
Supplement* \$15,413

New Mexico Department of Health  
*Physician, PA and NP Project* \$10,000

### Suzanne Popejoy

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

### Steven (Bruce) Williams

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

## OFFICE OF THE EXECUTIVE VICE CHANCELLOR

### Richard Larson

University of New Mexico Foundation  
*Private Gifts for Research  
(2nd Qtr - FY19)* \$2,195,146

University of New Mexico Foundation  
*Private Gifts for Research  
(1st Qtr - FY19)* \$344,862

University of New Mexico Foundation  
*Private Gifts for Research  
(4th Qtr - FY19)* \$295,297

University of New Mexico Foundation  
*Private Gifts for Research  
(3rd Qtr - FY19)* \$98,788

## Center for Infectious Disease & Immunity

### Thomas Byrd

National Institute of Allergy and Infectious  
Diseases  
*A Mouse Model of Mycobacterium  
Abscessus Lung Infection That Mimics Human  
Disease* \$75,750

### Michelle Ozbun

National Institute of Allergy and Infectious  
Diseases  
*Biology of Infectious Disease and  
Inflammation* \$234,357

### Terry Wu

Sandia National Laboratories  
*CRISPR Nano Delivery* \$35,000

## Institute for Resilience, Health & Justice

### Andrew Hsi

Bernalillo County  
*ADOBE* \$988,386

## Memory & Aging Center

### Janice Knoefel

Virginia Commonwealth University  
*(Subaward) Sensor-Based Mobility  
Assessment of Older Latinos  
With Dementia* \$13,256

### Gary Rosenberg

National Center for Research Resources  
*MRI and CSF Biomarkers of White Matter  
Injury in VCID* \$1,109,293

## OFFICE OF THE VICE CHANCELLOR FOR RESEARCH

### Richard Larson

Lovelace Respiratory Research Institute  
*LRRI/BSGP Fellowship Agreement  
2018* \$16,788

Lovelace Respiratory Research Institute  
*LRRI/BSGP Admin Support Agreement  
2018* \$4,737

## Animal Research Facility

### Richard Larson

New Mexico VA Health Care System  
*Veterinary Services for the NM Veterans  
Affairs Health Care System* \$29,303

## CLINICAL & TRANSLATIONAL SCIENCE CENTER

### Matthew Campen

National Center for Advancing  
Translational Sciences  
*University of New Mexico Clinical &  
Translational Science Center KL2 -  
Continuation* \$331,150

### Mark Garcia

Duke University  
*Spirolactone Initiation Registry  
Randomized Interventional Trial in  
Heart Failure in Preserved Ejection  
Fraction* \$51,711

### Richard Larson

National Center for Advancing  
Translational Sciences  
*University of New Mexico Clinical &  
Translational Science Center UL1 -  
Year 5* \$3,759,779

National Center for Advancing  
Translational Sciences  
*Collaboration to Enhance Naloxone  
Dispensing in Rural and Underserved  
Areas* \$298,963

University of Nevada, Las Vegas  
*Institutional Development Award Program  
Infrastructure for Clinical and Translational  
Research: BERD* \$242,376

University of Nevada, Las Vegas  
*Institutional Development Award Program  
Infrastructure for Clinical and Translational  
Research: PDC* \$138,156





National Center for Advancing  
Translational Sciences  
*Admin Supplement- Advanced  
Biomufacturing of the Bone-Ligament  
Interface* \$74,436

University of Nevada, Las Vegas  
*Clinical and Translational Research  
Infrastructure Network* \$60,225

University of Pittsburgh  
*NCATS Accrual to Clinical Trials  
Project* \$37,875

University of Nevada, Las Vegas  
*Institutional Development Award Program  
Infrastructure for Clinical and Translational  
Research: CEO* \$17,347

University of Nevada, Las Vegas  
*Institutional Development Award Program  
Infrastructure for Clinical and Translational  
Research: T&E* \$13,858

**Eric Prossnitz**  
Virtici, LLC  
*ASCEND: Accelerating Solutions for  
Commercialization and Entrepreneurial  
Development in the Mountain West IDeA  
States* \$300,000

**Hengameh Raissy**  
University of Arkansas  
*Data Coordinating and Operations Center  
for the IDeA States Pediatric Clinical Trials  
Network - VDORA* \$107,737

University of Arkansas  
*Data Coordinating and Operations Center the  
IDeA - Amendment States Pediatric Clinical  
Trials Network - VDORA* \$18,309

**Anjali Subbaswamy**  
Duke University  
*Dexmedetomidine Opioid-Sparing Effect  
in Mechanically Ventilated Children* \$71,750

## COLLEGE OF NURSING

**Christine Kasper**  
American Association of Colleges of Nursing  
*All of Us* \$10,000

**MaryJane Lewitt**  
El Pueblo Health Service  
*El Pueblo Health Contract* \$58,111

**Judy Liesveld**  
HRSA/Bureau of Health Workforce  
*Nurse Education, Practice, Quality and  
Retention - Veteran Nurses in Primary  
Care* \$392,846

Indian Health Service  
*Success in Nursing for Native Americans  
Through Collaboration* \$337,341

HRSA/Bureau of Health Professions  
*NSL - Baccalaureate Nursing* \$182,311

New Mexico Board of Nursing  
*New Mexico Nursing Education Statewide  
Planning FY19* \$11,546

**Janice Martin**  
City of Albuquerque  
*Geriatric Education and Health  
Maintenance* \$67,000

Mountain Spirit Integrative Medicine  
*Mountain Spirit - Heidi Rogers* \$60,821

El Centro Family Health  
*El Centro Family Health* \$60,653

Presbyterian Healthcare Services  
*Presbyterian Healthcare Services* \$31,449

**Carolyn Montoya**  
HRSA/Bureau of Health Workforce  
*Advanced Nursing Education Workforce  
Program* \$653,899

ideas42  
*An Intervention for a Healthy Work-Life  
Balance* \$5,000

**Elizabeth Tigges**  
Sigma Theta Tau  
*Sigma Theta Tau PSA* \$100,000

## COLLEGE OF PHARMACY

**Joe Anderson**  
New Mexico Department of Health  
*BAA/Heart Disease and Stroke Prevention  
Program Health Systems Intervention  
Project* \$55,583

**Ludmila Bakhireva**  
National Institute on Alcohol Abuse and  
Alcoholism  
*ENRICH-2: Stress-Reactivity and Self-  
Regulation in Infants With Prenatal Alcohol  
Exposure* \$693,579

National Institutes of Health  
*Epigenetic Markers for Neonatal Abstinence  
Syndrome: Mechanistic Insights From an  
Established Birth Cohort* \$187,566

New Mexico Department of Health  
*Enhancing Pharmacy-Based Naloxone  
Distribution* \$122,380

**Barry Bleske**  
University of Michigan  
*Genetic Determinants of ACEI Prodrug  
Activation* \$26,669

**Matthew Campen**  
Centers for Disease Control and  
Prevention  
*Systemic Health Implications of Occupational  
Nanomaterial Exposure* \$482,356

National Institutes of Health  
*Inhalation of Contaminated Mine Waste  
Dusts As a Route for Systemic Metal  
Toxicity* \$481,610

Lovelace Biomedical & Environmental  
Research Institute  
*Porcine Vascular Injury* \$239,395

Baylor College of Medicine  
*Notification of Access to Toxic Effects  
of E-cigs Following Transition From  
Conventional Cigarettes* \$124,368

**Melanie Dodd**  
First Nations Community Healthsource,  
Inc.  
*First Nations Community Healthsource,  
Inc.* \$64,685

Hospice of New Mexico  
*Consultant Pharmacist - Hospice of New  
Mexico* \$13,130

**Eszter Erdei**  
New York University  
*Educational Tools for Teaching Environmental  
Health Literacy to Nursing Students With a  
Focus on Indigenous Populations' Health and  
Well-Being* \$30,370

**Linda Felton**  
Biomedical Research Institute of New  
Mexico  
*Formulation Development Services* \$299,160

Eunice Kennedy Shriver National Institute  
of Child Health and Human Development  
*Aqueous-Based Two-Step Spray Drying  
as a Taste-Masking Drug Delivery  
Platform* \$227,250

U.S. Department of Veterans Affairs  
*Formulation & Batch Records for the VA  
Medical Center* \$30,112

**Pamela Hall**  
National Institute of Allergy and Infectious  
Diseases  
*Vaccine-Mediated Control of Bacterial  
Virulence Regulation and Infection* \$378,750

**Joe Hoover**  
Diné College  
*Livestock Movement and Exposure to  
Abandoned Uranium Mine Waste in Cove  
Wash Watershed* \$237,079

**Laurie Hudson**  
National Institutes of Health  
*Zinc Chemoprevention of Arsenic  
Co-Carcinogenesis* \$314,363

University of Oklahoma  
*Targeting G-CSF Receptor and Tumor-  
Associated Neutrophils in Colon  
Cancer* \$12,756



**Johnnye Lewis**

National Institutes of Health  
*Understanding Risk Gradients From Environment on Native American Child Health Trajectories* \$4,250,620

National Institute of Environmental Health Sciences  
*UNM Metal Exposure Toxicity Assessment on Tribal Lands in the Southwest Superfund Research Program* \$1,280,213

National Institute of Environmental Health Sciences  
*Center for Native American Environmental Health Equity Research* \$700,000

National Institutes of Health  
*Understanding Risk Gradients From Environment on Native American Child Health Trajectories* \$499,650

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

Duke University  
*Attentional Mechanisms Underlying of Information Processing in a Sample of Navajo Children* \$61,224

U.S. Environmental Protection Agency  
*Center for Native American Environmental Health Equity Research* \$50,000

National Institutes of Health  
*Externship Supplement for UNM Metal Exposure Toxicity Assessment on Tribal Lands in the Southwest P42ES025589* \$10,536

**Jim Liu**

National Institutes of Health  
*Arsenic, GATA-1, and Hemato-toxicity* \$340,875

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

**Debra MacKenzie**

Duke University  
*Using Silicone Wristbands As Non-Invasive Passive Environmental Monitors to Evaluate Seasonal and Within-Family Correlation for Environmental Exposures* \$10,175

**Renee-Claude Mercier**

New Mexico Department of Health  
*Antimicrobial Stewardship Project* \$69,600

**Pavan Muttill**

Lynntech, Inc.  
*An Inhaled Clofazimine Formulation for the Treatment of Tuberculosis* \$42,265

Lynntech, Inc.  
*An Inhaled Clofazimine Formulation for the Treatment of Tuberculosis* \$20,000

Lynntech, Inc.  
*An Inhaled Clofazimine Formulation for the Treatment of Tuberculosis* \$750

**James Nawarskas**

American Association of Colleges of Pharmacy  
*Comparison of Standardized Patient Assessment of Communication Skills in Pharmacy and Medical Students* \$3,621

**Melissa Roberts**

Analysis Group, Inc.  
*GSK Global Exacerbation Study* \$1,800

**Jay Simon**

DaVita Inc.  
*DaVita Pharmaceutical Services* \$90,000

Sandia National Laboratories  
*SNL Isotopes Request* \$4,375

**Susan Smolinske**

Health Resources and Services Administration  
*Poison Control Stabilization and Enhancement Program* \$120,802

Denver Health and Hospital Authority  
*Researched Abuse, Diversion and Addiction-Related Surveillance System Work* Order #12 \$17,185

U.S. Consumer Product Safety Commission  
*New Mexico Carbon Monoxide Safety* \$2,500

Denver Health and Hospital Authority  
*Researched Abuse, Diversion and Addiction-Related Surveillance System Work* Order #13 \$1,562

**Traci White**

Memorial Medical Center  
*Pharmacist Clinician for Inpatient Consult Team - Continuation* \$44,200

Memorial Medical Center  
*Pharmacist Clinician for Inpatient Consult Team* \$42,016

Mesilla Valley Hospice  
*Mesilla Valley Hospice Pharmacist Clinician Services Agreement* \$39,394

**Katherine Zychowski Bufford**

National Institute of Environmental Health Sciences  
*Neurovascular Consequences of Inhaled Uranium Mine-Site Dust Exposure* \$85,401

**COLLEGE OF POPULATION HEALTH**

**William Athas**

New Mexico Department of Health  
*Technical Enhancement and Application Project* \$57,425

**Lisa Cacari Stone**

National Institute on Minority Health and Health Disparities  
*FY20 TREE Center for Advancing Behavioral Health* \$1,404,730

National Institute on Minority Health and Health Disparities  
*TREE Center for Advancing Behavioral Health - AD/ADRD Specific Supplement* \$378,738

**Alexis Handal**

National Institute of Environmental Health Sciences  
*Maternal Ethylenethiourea Levels, Newborn Thyroid Function and Infant Development* \$490,444

National Institute of Environmental Health Sciences  
*Maternal Ethylenethiourea Levels, Newborn Thyroid Function and Infant Development - Diversity Supplement* \$83,740





**Rebecca Rae**

ANAV Tribal Health Clinic - Quartz Valley Indian Reservation  
*QVIR Evaluation for Youth & Family Tree Project* \$99,978

Santa Clara Pueblo  
*Kha'po Owingeh RezRIDERS Project* \$79,159

**Francisco Soto Mas**

University of Texas Health Center at Tyler  
*Health, Safety and Psychosocial Organic Farming Survey* \$93,948

Bernalillo County  
*Bernalillo County Senior Services Project* \$25,000

McKinley County  
*McKinley County Project* \$31,640

McKinley County  
*McKinley County Project* \$23,730

**Kristine Tollestrup**

Health Resources and Services Administration  
*New Mexico MCH Public Health Training Institute* \$168,284

Tulane University  
*ACA - Public Health Training Centers* \$34,400

**Nina Wallerstein**

National Institutes of Health  
*Advancing CBPR Practice Through a Collective Reflection and Measurement Toolkit* \$479,541

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

Morgan State University  
*A Student-Centered Entrepreneurship Training Program to Increase the Diversity of the Biomedical Workforce* \$48,552

Anonymous Non-Profit Foundation  
*Family Listening Program - Capacity Building Mini Conference* \$760

**SCHOOL OF MEDICINE**

**Anesthesiology**

**Eugene Koshkin**

Medtronic  
*UNM Pain Medicine Fellowship FY18-19: Medtronic* \$20,000

Medtronic  
*UNM Pain Medicine Fellowship FY19-20: Medtronic* \$20,000

**John Rask**

Vanderbilt University Medical Center  
*Simulation Multicenter Project* \$29,449

**Karin Westlund-High**

National Institute of Dental and Craniofacial Research  
*Scfv Antibody Therapy for Chronic Trigeminal Neuropathic Pain* \$240,500

**Biochemistry & Molecular Biology**

**Oscar Bizzozero**

National Multiple Sclerosis Society  
*Prophylactic and Therapeutic Effects of Liproxstatin-1 in EAE* \$55,000

**Amy Gardiner**

National Institute on Alcohol Abuse and Alcoholism  
*The Role of Mir-150 in Regulating Angiogenesis During Prenatal Alcohol Exposure* \$217,781

**Laura Gonzalez-Bosc**

American Heart Association (Southeast Affiliate)  
*Novel Collagen V-Reactive Natural TH17 Cells in Hypoxic Pulmonary Hypertension* \$300,000

Department of the Navy  
*Biomarkers of Hypoxia Exposure* \$202,824

Department of the Navy  
*Biomarkers of Hypoxia Exposure* \$52,824

**Helen Hathaway**

National Cancer Institute  
*Is Tumor-Adjacent Histologically Normal Tissue Primed for Tumorigenesis?* \$303,617

National Cancer Institute  
*Is Tumor-Adjacent Histologically Normal Tissue Primed for Tumorigenesis?* \$67,096

University of Texas at El Paso  
*BUILDing SCHOLARS - Continuation* \$54,083

**Nikki Jernigan**

National Heart, Lung, and Blood Institute  
*The Role of the Acid-Sensing Ion Channel 1 in the Systemic Vasculature* \$33,071

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

**Nancy Kanagy**

Exhalix, LLC  
*Non-Invasive Detection of PAD* \$530,018

**Nora Perrone-Bizzozero**

National Cancer Institute  
*Cold-Inducible RNA Binding Protein Links Inflammation and Breast Cancer* \$30,019

**Thomas Resta**

National Institutes of Health  
*Minority Institutional Research Training Program (T32)* \$382,142

National Institutes of Health  
*Vascular Smooth Muscle Signaling in Intermittent Hypoxia-Induced Pulmonary Hypertension* \$378,750

National Heart, Lung, and Blood Institute  
*Diversity Supplement Minority Institutional Research Training Program (T32)* \$7,565

**Comprehensive Cancer Center**

**Sarah Adams**

National Cancer Institute  
*Mechanisms of Selective Therapeutic Synergy of PARP-Inhibition and CTLA4 Blockade Engaged by Interferon-gamma in the Ovarian Tumor Microenvironment* \$361,703

**Leslie Andritsos**

The SASS Foundation and Hairy Cell Leukemia Foundation  
*Development of a Novel Scoring System for the Diagnosis and Disease Monitoring of Classic and Variant Hairy Cell Leukemia* \$100,000

**Cecilia Arana Yi**

New Mexico Cancer Care Alliance  
*Clinical Trial Phase 2* \$120,048

**Jessica Belmonte**

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

**Marianne Berwick**

National Cancer Institute  
*Integration of Clinical and Molecular Biomarkers for Melanoma Survival* \$1,944,358

National Cancer Institute  
Genomic Evaluation of the Female Survival  
Advantage in Melanoma \$75,897

National Cancer Institute  
Genomic Evaluation of the Female Survival  
Advantage in Melanoma \$74,384

**Cynthia Blair**

National Cancer Institute  
Improving Physical Functioning in Older  
Cancer Survivors Through Light-Intensity  
Physical Activity \$154,415

Rutgers, The State University of  
New Jersey  
Project HERO \$129,233

**Ursa Brown-Glaberman**

New Mexico Cancer Care Alliance  
Clinical Trial Phase 3 \$107,080

New Mexico Cancer Care Alliance  
Clinical Trial Phase 2 \$97,480

**Matthew Fero**

University of Washington  
Systems and Carcinogenic Impact  
Assessment of Topical Microbicides on  
Human Mucosa - Continuation  
Year 5 \$125,853

**Dolores Guest**

Consulate of Mexico in Albuquerque  
Ventanilla De Salud 2019 \$36,000

Consulate of Mexico in Albuquerque  
Ventanilla De Salud - Specific  
Supplement \$10,000

**Yan Guo**

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

**Richard Harvey**

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

**Richard Lauer**

New Mexico Cancer Care Alliance  
Clinical Trial Phase 2 \$103,230

New Mexico Cancer Care Alliance  
Clinical Trial Phase 1b/2 \$90,430

American Cancer Society  
Transportation Plan for UNM Cancer  
Center \$5,000

**Jean McDougall**

Rutgers, The State University of New Jersey  
Comparative Effectiveness of Interventions to  
Increase Guideline-Based Genetic Counseling

in Ethnically and Geographically Diverse  
Cancer Survivors \$423,939

**Carolyn Muller**

National Cancer Institute  
Community Oncology Research Program  
Minority/Underserved Community Sites  
(UM1) \$1,263,252

NRG Oncology  
NRG Oncology Foundation: National Clinical  
Trials Network and NCI Community Oncology  
Research Program (Federal) \$718,644

NRG Oncology  
NRG Oncology Foundation: National Clinical  
Trials Network and NCI Community Oncology  
Research Program (Non-Federal) \$718,644

National Cancer Institute  
Community Oncology Research Program  
Minority/Underserved Community Sites  
(UM1) \$528,484

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

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

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

NRG Oncology  
NRG Member Site Support \$15,000

**Scott Ness**

National Institutes of Health  
Mutations and Target Genes ACC -  
Yr2- FY19 \$359,813

Adenoid Cystic Carcinoma Research  
Foundation  
RNA-Sequencing - LG Cohort of ACC  
Samples \$137,629

**Eric Prossnitz**

National Cancer Institute  
GPER & Breast Carcinogenesis (3) \$353,942

National Cancer Institute  
Molecular Mechanisms & Apps of ER/GPER  
Ligands - FY19 Continuation \$320,000

Dialysis Clinic, Inc.  
GPER Kidney Disease Renewal \$192,100

Linnaeus Therapeutics  
SBIR-Linnaeus Therapeutics/g-1 Enantiomer  
Subaward \$60,000

New Mexico State University  
New Mexico (INBRE) Specific Supplement -  
Amendment #13 \$2,416

**Ian Rabinowitz**

Takeda Pharmaceuticals North America, Inc.  
Professional Services Agreement \$9,000

**Thomas Schroeder**

New Mexico Cancer Care Alliance  
Clinical Trial Phase 3 \$40,500

**Larry Sklar**

Leidos, Inc.  
BASE Project: NCI Experimental Therapeutics  
Chemical Biology Consortium \$280,000

Leidos, Inc.  
WDR5 Project: NCI Experimental  
Therapeutics Chemical Biology  
Consortium \$270,000

Leidos, Inc.  
WDR5 Project: NCI Experimental  
Therapeutics Chemical Biology  
Consortium \$120,000

Leidos, Inc.  
LDHA Project: NCI Experimental Therapeutics  
Chemical Biology  
Consortium \$92,000

**Heloisa Soares**

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

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

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

Dana Farber Cancer Institute  
Project 2: EL CENTRO: Engaging Latinos  
in the CENTER of Cancer Treatment  
Options \$15,150

**Alan Tomkinson**

National Institute of General Medical  
Sciences  
Cellular Functions of Eukaryotic DNA  
Ligases \$395,252

National Institute of Environmental Health  
Sciences  
Roles of Lig3 and XRCC1 Genes in Genome  
Stability \$375,660

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

Lovelace Respiratory Research Institute  
DNA Repair-Lung Disease-LRRI \$74,883

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

**Charles Wiggins**

National Cancer Institute  
Surveillance Epidemiology and End Results  
Program \$2,697,259



New Mexico Department of Health  
Breast and Cervical Cancer Surveillance  
Project \$6,330

**Cheryl Willman**

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

National Cancer Institute  
Dissemination of a Colorectal Cancer  
Screening Program Across American  
Indian Communities in Southern Plains and  
Southwest United States \$300,000

National Cancer Institute  
Developing and Maintaining a Web-  
Based Source of Cancer Surveillance  
Data for American Indians and Alaska  
Natives \$293,284

National Cancer Institute  
University of New Mexico Cancer Center  
Support Grant - Tobacco Cessation  
Supplement \$250,001

National Cancer Institute  
Cancer Health Disparities Regional  
Training Network (GMaP) \$241,885

National Cancer Institute  
Women in Survivorship Healthcare: Creation  
of a Rural Cancer Survivorship Program  
Using Project ECHO \$200,000

National Cancer Institute  
Expand NCI-Supported Community  
Outreach Capacity Through Community  
Health Educators of National Outreach  
Network \$125,000

National Cancer Institute  
Continuing Umbrella Research  
Experience \$113,625

Cowboys for Cancer Research  
Cowboys for Cancer Research \$89,816

National Cancer Institute  
Cancer Clinical Investigator Team  
Leadership Award \$60,000

Brigham and Women's Hospital  
Biomarker, Imaging and Quality of Life  
Studies Funding Program - Specific  
Supplement \$40,181

**Bridget Wilson**

National Institute of General Medical  
Sciences  
Center for the Spatiotemporal Modeling  
of Cell Signaling \$2,463,519



**Continuing Medical Education**

**Kathy Breckenridge**

Richard Wolf Medical Instruments  
Corporation  
Endoscopic Spine Health Conference \$7,500  
KARL STORZ Endoscopy-America, Inc.  
Endoscopic Spine Health Conference \$7,500

**Dental Medicine**

**Gary Cuttrel**

New Mexico Higher Education  
Department  
Training Dentists to Treat Pediatric  
Patients \$900,000

Office of Rural Health Policy  
Postdoctoral Training in General, Pediatric  
and Public Health Dentistry and Dental  
Hygiene \$500,000

New Mexico Department of Health  
Basic Oral Health Services \$102,355

Office of Rural Health Policy  
Special Needs Dental Residency Training  
Program \$65,000

New Mexico Department of Health  
Basic Oral Health Services - Specific  
Supplement \$4,000

**Melissa Ivers**

HRSA/HIV-AIDS Bureau  
HRSA Ryan White Part F \$285,682  
HRSA/HIV-AIDS Bureau  
HRSA Ryan White Part F \$285,682

**ECHO Institute**

**Sanjeev Arora**

Leona M. and Harry B. Helmsley  
Charitable Trust  
Helmsley Charitable Trust for Global  
Replication Support \$3,750,000

Health Resources and Services  
Administration  
South Central AIDS Education and Training  
Center Program \$3,041,653

Robert Wood Johnson Foundation  
ECHO-RWJF Partnership for National  
Health \$2,000,000

New Venture Fund  
ECHO/Co-Impact Partnership for Achieving  
Global Scale \$1,412,761

Defense Health Agency  
Telementoring Services Defense Health  
Agency \$782,611

Accreditation Council for Graduate  
Medical Education  
ACGME Patient Safety - Quality  
Improvement Programming \$315,000

Jhpiego Corporation  
Jhpiego Healthcare Workforce \$200,000

New Mexico Corrections Department  
New Mexico Corrections Department  
Hepatitis C \$190,644

New Mexico Department of Health  
Hepatitis C and HIV Clinical Consultant  
Project - (Multi-Year) \$179,772

Bernalillo County  
Bernalillo County Re-Entry ECHO/CHW  
Training w/BAA \$150,000

Co-Impact  
Co-Impact Strategic Planning  
Support \$150,000

New Mexico Department of Health  
New Mexico DOH Tuberculosis Project  
ECHO FY19 \$150,000

Seattle Indian Health Board  
Project ECHO Supporting the Enhanced  
Implementation of Health and  
Wellness \$150,000

New Mexico Department of Health New Mexico First Responder ECHO Program	\$115,000	University of Kentucky Partnership With the University of Kentucky and Gilead for Quality HCV Care - Continuation	\$25,000	Department of the Air Force UNM Educational Service Agreement FY19	\$518,760
Northwest Portland Area Indian Health Board Indian Health Services TeleECHO Clinic Support	\$100,000	Region IX Education Cooperative New Mexico Public Education Department Education ECHO	\$20,000	City of Albuquerque Medical Directorship	\$406,250
Albuquerque Area Indian Health Board, Inc. Leveraging Project ECHO for a Comprehensive Approach to Health and Wellness in Indian Country	\$94,500	Four Seasons Four Seasons Palliative Care Grant	\$12,500	Department of the Air Force UNM Educational Service Agreement	\$389,070
American Institutes for Research AIR Medication-Assisted Treatment - Continuation Yr 3	\$94,350	Indiana University Indiana PEP Program	\$8,000	City of Albuquerque Professional Services- Medical Directorship	\$187,500
Albuquerque Area Indian Health Board, Inc. Tribal Epidemiology Centers	\$85,000	Northwest Portland Area Indian Health Board Support for Endocrinology Pilot	\$7,560	Bernalillo County Fire Department Medical Directorship	\$63,053
Seattle Indian Health Board Project ECHO Supporting the Enhanced Implementation of Health and Wellness	\$75,000	<b>Emergency Medicine</b>			
American Society of Addiction Medicine FAME Clinic	\$70,001	<b>Danielle Albright</b>			
Tanzania Health Promotion Support Leveraging the ECHO Model to Improve Lab Services in Tanzania	\$57,890	New Mexico Crime Victims Reparation Commission Coordination of the Domestic Violence Death Review Team	\$96,000	State of New Mexico Medical Directorship for TEMS Program	\$55,000
New Mexico Department of Health TB Border Health	\$50,000	<b>Justin Baca</b>			
Bernalillo County Bernalillo County Re-Entry ECHO PHASE 2	\$35,000	Abbott Point of Care Inc. CS-2018-011 Clinical Evaluation of the I-STAT Ionized Calcium and Lactate Tests in Venous and Arterial Specimens	\$140,848	City of Albuquerque Professional Services Agreement	\$50,000
Health Research Inc. ECHO Partnership for Quality Improvement Innovations in HIV Care	\$31,500	Abbott Laboratories Inc. CS-2017-0006: Clinical Evaluation of the I-STAT System for Hematocrit in Venous and Arterial Specimens	\$85,296	Department of the Air Force UNM Educational Service Agreement	\$48,000
Laura and John Arnold Foundation Impact of Opioid ECHO Programs on Health and Health Care - Specific Supplement	\$30,230	Abbott Laboratories Inc. CS-2017-0007 Clinical Evaluation of I-STAT PTplus/aPTT Cartridge for APTT in Subjects Receiving Heparin Therapy	\$81,316	Department of the Air Force UNM Educational Service Agreement FY19	\$48,000
African Society for Laboratory Medicine ECHO Institute Collaboration With the African Society of Laboratory Medicine - Continuation	\$30,000	Abbott Laboratories Inc. CS-2017-0007 Clinical Evaluation of I-STAT PTplus/aPTT Cartridge for APTT in Subjects Receiving Heparin Therapy	\$3,519	Western Refining Southwest, Inc. Medical Directorship	\$33,000
New Mexico Department of Health Anti-Microbial Stewardship	\$27,003	<b>Laura Banks</b>			
New Mexico Department of Health New Mexico DOH Sponsorship of NM AETC Conference	\$25,000	New Mexico Department of Transportation Pedestrian Safety Initiative	\$300,000	Sandoval County Regional Emergency Communications Center Medical Director Services	\$28,368
University of Kentucky Partnership With the University of Kentucky and Gilead for Quality HCV Care	\$25,000	New Mexico Department of Health Hospital and Health Systems Preparedness	\$99,698	Wilderness Medics Inc Medical Director	\$25,000
New Mexico Department of Health New Mexico DOH - Tuberculosis Project ECHO FY2019	\$25,000	New Mexico Senior Olympics National Senior Games	\$12,000	County of Bernalillo Professional Services	\$19,999
		<b>Darren Braude</b>			
		Department of the Air Force UNM Educational Service Agreement	\$518,760	K&I Field Services Medical Direction and Care	\$12,500
		Department of the Air Force UNM Educational Service Agreement FY19	\$518,760	Kirtland Air Force Base Paramedic Training Program - 119PAR006	\$8,500
				National Park Service Zion National Park BLS Refresher	\$7,250
				Village of Angel Fire Medical Directorship	\$6,000
				Motion Picture Set Medics, LLC Motion Picture Set Medics, LLC	\$2,640

Kirtland Air Force Base CE Package Course - August	\$2,460
Kirtland Air Force Base CE Package Course - May	\$1,775
Sandia Crest Marathon Medical Directorship	\$1,550
Kirtland Air Force Base 2018 CE Package Course 009	\$1,175
Quick Draw Medical Directorship	\$880

**Joy Crook**

New Mexico Department of Health  
NM DOH Statewide EMS Project \$50,000

**Jon Kenneth Femling**

Yes Biotechnology Inc.  
Pilot Study of Strepic Device for the  
Diagnosis of Group A Streptococcal  
Pharyngitis \$205,500

Sandia National Laboratories  
Rim-to-Rim Continuation 2018-2019  
Yr 3 \$55,740

Duke University  
Multi-Center, Randomized, Open-Label Trial  
to Evaluate the Efficacy of Oral Fosfomycin  
Versus Oral Levofloxacin Strategies in  
Complicated Urinary Tract Infections \$8,000

Olive View Medical Center-UCLA  
EMERGENCY IDnet:Emergency Department  
Sentinel Network for Surveillance of Emerging  
Infections \$6,000

Olive View Medical Center-UCLA  
EMERGENCY IDnet:Emergency Department  
Sentinel Network for Surveillance of Emerging  
Infections \$1,000

**Andrew Harrell**

National Park Service  
Grand Canyon Medical Direction \$36,000

Department of the Air Force  
Nellis Air Force Base PJ Refresher \$18,400

National Park Service  
Grand Canyon National Park - EMS Medical  
Services - Continuation \$6,000

**Steven McLaughlin**

New Mexico State Fair  
Emergency Medical Services &  
Directorship \$53,983

Taos County  
Medical Directorship \$36,000

**Grace (Joo-Hee) Park**

The Mind Research Network  
The Impact of Diffuse Mild Brain Injury on  
Clinical Outcomes in Children \$84,252



The Mind Research Network  
The Impact of Diffuse Mild Brain Injury on  
Clinical Outcomes in Children \$79,544

University of Michigan  
RNA Biosignatures: A Paradigm Change for  
the Management of Young Febrile Infants  
(Phase 1) \$10,551

**Aaron Reilly**

Trans-Pecos Ultra  
Medical Directorship \$2,000

**Robert Sapien**

Health Resources and Services  
Administration  
Child Ready: Expanding a Novel Community  
Self-Assessment Approach to Regionalization  
(EMSC Demonstration Grants) \$200,000

University of Arizona  
EMSC: Pediatric Emergency Care Applied  
Research Network \$154,263

HRSA/Maternal and Child Health Bureau  
EMSC Partnership Grants \$130,000

HRSA/Maternal and Child Health Bureau  
EMSC Partnership Grants - PECC Learning  
Collaborative \$100,000

Health Resources and Services  
Administration  
Child Ready: Expanding a Novel Community  
Self-Assessment Approach to Regionalization  
(EMSC Demonstration Grants) \$94,700

Health Resources and Services  
Administration  
Child Ready: Expanding a Novel Community  
Self-Assessment Approach to Regionalization  
(EMSC Demonstration Grants) \$93,704

Health Resources and Services  
Administration  
EMS for Children State Partnership  
Grant \$68,445

Nationwide Children's Hospital  
C-Spine \$60,300

**Philip Seidenberg**

Siemens Healthcare Diagnostics, Inc.  
Specimen Collection in the Emergency  
Department for the Assessment of Clinical  
Performance of the Siemens PBNP Assay/  
centaur-201806 \$392,264

**Isaac Tawil**

DCI Donor Services  
Medical Directorship Services \$19,777

**Chelsea White**

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

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

Pueblo of Acoma EMS  
Acoma Pueblo EMS Medical Directorship W/  
BAA - Continuation \$36,000

Cibola County  
Medical Directorship \$12,000

**Jenna White**

Pueblo of Jemez  
Pueblo of Jemez Medical Direction  
2018 \$20,000

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

**Family & Community Medicine**

**Antoinette Benton**

New Mexico Department of Health  
Transdisciplinary Evaluation and Support  
Clinic - FY19/MSU \$501,493

Falling Colors Corporation  
FY20 Pre-Administration Screening and  
Resident Review \$194,569



Falling Colors Corporation  
Pre-Administration Screening and Resident  
Review - FY19 \$127,000

New Mexico Department of Health  
Transdisciplinary Evaluation and Support  
Clinic - FY19 \$43,238

New Mexico Department of Health  
Transdisciplinary Evaluation and Support  
Clinic - FY19/MSU \$13,293

**Marlene Ballejos**  
American Association of Medical Colleges  
AAMC Funding \$18,750

**Laura Chambers-Kersh**  
University of California, San Francisco  
Mozambique Family Medicine  
Position \$30,227

**Jennifer Hetteema**  
Health & Human Services/Office  
of the Secretary  
FY20 Prevention of Teen Pregnancy  
Through Screening and Brief Intervention  
in Primary Care \$1,000,000

Health & Human Services/Office  
of the Secretary  
Prevention of Teen Pregnancy Through  
Screening and Brief Intervention in  
Primary Care \$939,000

**Arthur Kaufman**  
City of Albuquerque  
Intensive Case Management FY19 \$750,000

Presbyterian Healthcare Services  
Presbyterian Healthcare Contract for  
Services \$232,586

New Mexico Department of Health  
New Mexico Immunization Coalition -  
FY19 \$137,787

**Sarah Lathrop**  
New Mexico Department of Health  
New Mexico Emerging Infections Program -  
FY20 \$570,333

New Mexico Department of Health  
New Mexico Emerging Infections Program -  
FY19 \$434,922

New Mexico Department of Health  
New Mexico Emerging Infections Program -  
FY18 \$221,354

**Marnie Lynn Nixon**  
Project Concern International  
NM CoIIN \$52,000

**Orrin Myers**  
National Park Service  
FY20 Statistical Analyses of Restoration  
Monitoring Programs in the Jemez  
Mountains of Northern New Mexico \$19,338

**Janet Page-Reeves**  
EleValle  
FY20 Ele Valle Evaluation Services \$9,375

**Nancy Pandhi**  
Wisconsin Partnership Program  
Experience-Based Co-Design Catalyst Film  
Project \$39,028

Oregon Health & Science University  
Oregon Clinical and Translational Research  
Institute: Experiences With Pediatric  
Cancer \$15,137

**Tassy Parker**  
University of Colorado Denver  
Collaborative Hubs to Reduce the Burden of  
Suicide Among American Indian & Alaska  
Native Youth \$135,532

Washington State University  
Native-Controlling Hypertension and Risks  
Through Technology \$57,338

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

University of Colorado Denver  
NIDDK-Funded Center for American Indian  
and Alaska Native Diabetes Translation  
Research \$18,805

Washington State University  
Native-Controlling Hypertension and Risks  
Through Technology \$6,489

**David Rakel**  
Presbyterian Medical Services  
Professional Services \$27,000

First Choice Community Healthcare  
Professional Services \$23,000

First Choice Community Healthcare  
Professional Services Agreement \$1,106

**Robert Rhyne**  
New Mexico Department of Health  
Academic Detailing Project FY19 \$98,115

**Valerie Romero-Leggott**  
HRSA/Bureau of Health Workforce  
National HCOP Academies \$639,840

**Helene B Silverblatt**  
HRSA/Bureau of Health Workforce  
Area Health Education Centers  
Program \$309,000

HRSA/Bureau of Health Workforce  
Area Health Education Centers  
Program \$74,407

**Robert Williams**  
Health Resources and Services  
Administration  
Transforming Primary Care in Under-Served  
Communities \$247,690

## Internal Medicine

**Christos Argyropoulos**  
Sentien Biotechnologies Inc.  
SBI-101-01: A Multicenter, Randomized, Sham-  
Controlled, Double-Blind, Ascending-Dose  
Study of Extracorporeal Mesenchymal Stromal  
Cell Therapy (SBI-101 Therapy) in Subjects  
With Acute Kidney Injury Receiving Continuous  
Renal Replacement Therapy \$111,360

Dialysis Clinic, Inc.  
2018 East by Southwest Nephrology  
Conference \$21,089

Dialysis Clinic, Inc.  
TRILO2GY Start Up Payment \$870

**Cristian Bologna**  
Givaudan Flavors Corporation  
Givaudan Research Agreement -  
Year 11 \$205,000

**Steven Bradfute**  
Albert Einstein College of Medicine  
Prometheus: A Platform for Rapid  
Development of Immunotherapeutics and  
Immunoprophylactics Against Emerging  
Viral Threats \$318,150

Defense Threat Reduction Agency  
Effects of Differential Glycosylation on  
Filovirus Glycoprotein  
Immunogenicity \$299,784

Los Alamos National Laboratory  
Immunogenicity of Delayed Antigen  
Release Systems \$100,000

Defense Threat Reduction Agency  
Effects of Differential Glycosylation  
on Filovirus Glycoprotein  
Immunogenicity \$92,286

**Marcos Burgos**  
New Mexico Department of Health  
Tuberculosis Medical Care, Consultation  
and Education Services \$390,000

**Kelly Chong**  
Dialysis Clinic, Inc.  
Risk Factors of 30-Day Re-Hospitalization  
Among Patient Receiving Inpatient Dialysis:  
Towards Inpatient Care Quality  
Improvement \$421,290

**Stacey Clegg**  
Rutgers, The State University of New Jersey  
Myocardial Ischemia and Transfusion -  
CCC \$10,000

**Osman Dokmeci**  
AbbVie  
M18-891: A Phase 3 Randomized, Placebo-  
Controlled, Double-Blind Study to Evaluate  
Upadacitinib in Adolescent and Adult  
Subjects With Moderate to Severe  
Atopic Dermatitis \$481,266



**Suzanne Emil**

Iqvia  
*IFX-1-P2.6: A Randomized, Double-Blind, Placebo-Controlled, Multicenter, Parallel-Group Phase 2 Study to Investigate the Safety and Efficacy of IFX-1 in Subjects With Granulomatosis With Polyangiitis and Microscopic Polyangiitis* \$156,608

**Mark Garcia**

Duke University  
*Care Optimization Through Patient and Hospital Engagement Clinical Trial for Heart Failure - Y2* \$103,200

**Melissa Gonzales**

Utah State University  
*Harm Reduction Curricula for Substance Use* \$18,362

**Michelle Harkins**

Cystic Fibrosis Foundation  
*Cystic Fibrosis Care Center Program* \$65,090

**Theresa Heynekamp**

Zambon  
*PROMIS II - A Double-Blind, Placebo-Controlled, Multi-Center Clinical Trial to Investigate the Efficacy and Safety of 24 Months of Therapy With Inhaled Colistimethate Sodium in Treatment of Subjects With Non-Cystic Fibrosis Bronchiectasis* \$160,000

**Michelle Iandiorio**

Health Resources and Services Administration  
*Comprehensive HIV Early Intervention Services (Ryan White Part C)* \$718,561

New Mexico Department of Health  
*HIV Provider Agreement w/BAA* \$709,215

HRSA/HIV-AIDS Bureau  
*Ryan White HIV/AIDS Program Part D Coordinated HIV Services and Access to Research for Women, Infants, Children, and Youth* \$466,950

**Julie In**

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

National Institute of Diabetes and Digestive and Kidney Diseases  
*Human Enteroids As a Model of Host-EHEC Interactions* \$86,614

National Institute of Diabetes and Digestive and Kidney Diseases  
*Human Enteroids As a Model of Host-EHEC Interactions* \$109

**Saeed Kamran Shaffi**

Alnylam Pharmaceuticals Inc.  
*Protocol ALN-LECT2-NT-001: A Study of the Natural History of Leukocyte Chemotactic Factor 2 Amyloidosis (ALECT2) Disease* \$166,400

**Patricia Kapsner**

Cortendo AB  
*Protocol COR-2017-OLE: An Open-Label Extension Study of Levoketconazole (2s,4r-ketoconazole) in the Treatment of Endogenous Cushing's Syndrome* \$57,600

Novo Nordisk, Inc.  
*Clinical Trial Agreement Phase 3 - Y6* \$34,456

**Denece Kesler**

HRSA/Bureau of Health Workforce  
*Preventive Medicine Residency Program - Y2* \$399,992

HRSA/Office of Rural Health Policy  
*Radiation Exposure Screening Education Program* \$242,525

Johns Hopkins University  
*Development of a Medical Screening Program for Former LANL & Sandia Workers* \$5,000

**Miriam Komaromy**

American Society of Addiction Medicine  
*ASAM/FAME* \$177,705

**Olga Kovbasnjuk**

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

Baylor College of Medicine  
*Intestinal Stem Cell Response to Infection* \$79,604

University of Washington  
*A Microphysiological System for Kidney Disease Modeling and Drug Efficacy Testing* \$37,875

**Samuel Lee**

U.S. Department of Veterans Affairs  
*IPA - Stella Jubay* \$11,356

**Lana Melendres-Groves**

Pharmaceutical Research Assoc.  
*Clinical Trial - Phase 4* \$157,824

Lung Biotechnology PBC  
*RIN-PH-304: Phase 3, Randomized, Placebo-Controlled, Double-Blind, Adaptive Study to Evaluate the Safety and Efficacy of Inhaled Treprostinil in Patients With Pulmonary Hypertension Due to Chronic Obstructive Pulmonary Disease* \$140,800

Reata Pharmaceuticals Inc.  
*Protocol 402-c-1504: A Study of the Efficacy and Safety of Bardoxolone Methyl in Patients With Connective Tissue Disease-Associated Pulmonary Arterial Hypertension* \$123,672

Arena Pharmaceuticals Inc  
*APD811-301: A Study EVALuatiNg the Efficacy and Safety of Ralinepag to Improve Treatment OUTCOMES in PAH Patients* \$115,200

Complexa  
*CXA-10-301: Phase 2 Multicenter, Double-Blind, Placebo-Controlled, Efficacy, Safety and Pharmacokinetic Study of Two Doses of CXA-10 on Stable Background Therapy in Subjects With Pulmonary Arterial Hypertension* \$114,944

Arena Pharmaceuticals Inc.  
*APD811-303: A Study EVALuatiNg the Long-Term Efficacy and Safety of Ralinepag in Subjects With PAH Via an Open-Label EXTENSION* \$102,400

United Therapeutics Corporation  
*Phase 1 Clinical Trial: Inhaled Treprostinil in Subjects With Pulmonary Hypertension* \$57,600

**Gregory Mertz**

Metabiota  
*Prevalence of Crimean Congo Hemorrhagic Fever Virus and Hantaviruses in Ukraine and the Potential Requirement for*

Differential Diagnosis of Suspect Leptospirosis Patients	\$30,161	University of California, San Francisco STI-CTG	\$28,980	National Institute of Diabetes and Digestive and Kidney Diseases Diabetes Prevention Program (DPPOS)- Phase 3	\$27,095
<b>Larissa Myaskovsky</b> University of Pittsburgh Increasing Equity in Transplant Evaluation and Living Donor Kidney Transplantation	\$87,929	<b>Vernon Pankratz</b> Dialysis Clinic, Inc. Professional Services Agreement - Biostatistician Services	\$52,606	Case Western Reserve University Effects of Biomedical Risk Factors on Neuro-Cognition Using MRI: Long-Term Follow-Up of the Diabetes Control & Complications Trial/Epidemiology of Diabetes Interventions & Complications Study Phase 4	\$12,845
Dialysis Clinic, Inc. No-Shows for Kidney Transplant Evaluation Study	\$37,901	<b>Douglas Perkins</b> National Institute of Allergy and Infectious Diseases Defining the Inflammation and Immunity Transcriptome in Severe Malarial Anemia for Immunotherapeutic Discovery - Y2	\$716,070	Case Western Reserve University Effects of Biomedical Risk Factors on Neuro-Cognition Using MRI: Long-Term Follow-Up of the Diabetes Control & Complications Trial/Epidemiology of Diabetes Interventions & Complications Study Phase 4	\$12,205
University of Pittsburgh Cardiac Resynchronization in the Elderly: Piloting Pacemaker vs. Defibrillator Therapy	\$14,836	<b>John E. Fogarty</b> International Center for Advanced Study in the Health Sciences Training and Research on Severe Malarial Anemia	\$267,968	Case Western Reserve University Effects of Biomedical Risk Factors on Neuro-Cognition Using MRI: Long-Term Follow-Up of the Diabetes Control & Complications Trial-Epidemiology of Diabetes Interventions & Complications Study Phase 4 - 19-20	\$7,831
<b>Yue-Harn Ng</b> Dialysis Clinic, Inc. Kidney: To Take or Not to Take?	\$249,186	Harvard School of Public Health Fogarty Global Health Training Fellowship Program	\$42,130	Case Western Reserve University EDIC Skeletal Health Study (SSY8)	\$5,555
Dialysis Clinic, Inc. Adherence in Kidney Transplant Study	\$47,292	Los Alamos National Laboratory Diagnostics for Pediatric Tuberculosis	\$40,000	University of South Florida Type I Diabetes Trialnet	\$650
<b>Tudor Oprea</b> National Institutes of Health Knowledge Management Center for Illuminating the Druggable Genome	\$1,000,000	<b>Surya Pierce</b> The Bell Group, Inc. Professional Services: UNM Center for Life	\$12,000	University of South Florida Type I Diabetes Trialnet	\$310
National Institutes of Health Machine Learning Model Validation for AD/ADRD	\$378,750	<b>Fares Qeadan</b> Albuquerque Area Indian Health Board, Inc. Indian Tribal Health Data in the Southwest Region: Transformation, Management and Analyses	\$116,358	<b>Melissa Schiff</b> New Mexico Governor's Commission on Disability Incidence Rates of TBI in New Mexico	\$35,000
The Jackson Laboratory Illuminating the Druggable Genome by Knowledge Graphs	\$121,200	Albuquerque Area Indian Health Board, Inc. Large Tribal Health Data in the Southwest Region: Transformation, Management and Analyses	\$37,432	<b>Mark Sheldon</b> U.S. Department of Veterans Affairs Interventional Cardiology Services at the VA	\$408,161
University of Copenhagen Visiting Scientist Agreement	\$52,875	<b>David Schade</b> George Washington University Glycemia Reduction Approaches in Diabetes: A Comparative Effectiveness Study Year 7	\$672,584	<b>Akshay Sood</b> National Institutes of Health Effectiveness of Innovative Research Mentor Interventions Among Underrepresented Minority Faculty in the Southwest	\$701,440
East Carolina University, Brody School of Medicine Ligand Specificity in Human Glucose Transporters GLUT1-5 and GLUT9 - Y2	\$50,607	National Institute of Diabetes and Digestive and Kidney Diseases Diabetes Prevention Program (DPPOS)- Phase 3 - Y26	\$313,764	Miners Colfax Medical Center Medical Consultation and Care	\$152,342
University of North Carolina A Collaboration for the NIH Data Commons	\$32,500	Case Western Reserve University Epidemiology of Diabetes Intervention and Complications	\$126,549	Miners Colfax Medical Center Medical Consultation and Care	\$34,122
<b>Kimberly Page</b> National Institute on Drug Abuse New Mexico Clinical Trials Node: Clinical Research and Practice to Address Substance Use in Diverse, Rural and Underserved Populations	\$2,751,799	Case Western Reserve University Epidemiology of Diabetes Intervention and Complications and Hypoglycemia-Arrhythmia Study - Supplement	\$29,647	Miners Colfax Medical Center Medical Consultation and Care - Y3	\$34,122
National Institute on Drug Abuse Acute Hepatitis C Infection in Young Injectors	\$1,268,832	Case Western Reserve University Second Medical Opinion Evaluations FY19	\$25,000	Miners Colfax Medical Center An Innovative Approach to Increasing Access to Miners in the Mountain West	\$21,517
Upstate Affiliate Organization Patient-Centered Models of Hepatitis C Care for People Who Inject Drugs - Continuation Y2	\$429,986				



Miners Colfax Medical Center  
 Medical Consultation and Care \$12,500

**Elaine Thomas**

New Mexico Department of Health  
 Sexually Transmitted Disease  
 Clinical Services w/ BAA \$40,512

**Mark Unruh**

Anonymous Non-Profit Foundation  
 Medical Directorship - Evergreen \$1,181,620

Anonymous Non-Profit Foundation  
 Medical Directorship and QA \$1,181,620

University of Pittsburgh  
 Technology-Assisted Stepped Collaborative  
 Care Intervention to Improve Patient-  
 Centered Outcomes in Hemodialysis  
 Patients \$217,743

University of Washington  
 Treatment Options for Insomnia  
 for ESRD \$123,330

Anonymous Non-Profit Foundation  
 Medical Directorship and QA \$67,900

Anonymous Non-Profit Foundation  
 Medical Directorship - Evergreen \$67,900

Anonymous Non-Profit Foundation  
 Medical Directorship - Evergreen \$67,900

Albuquerque Area Indian Health Service  
 Nephrology and Rheumatology IHS Specialty  
 Services \$67,595

Emory University  
 Advanced Care Planning for Dialysis  
 Patients and Surrogates: An Effectiveness-  
 Implementation Trial of SPIRIT in  
 ESRD \$65,560

University Of Pennsylvania  
 Data Coordinating Center for Hemodialysis  
 Pilot Studies Consortium (ACTION) \$56,853

St. Catherine Healthcare and  
 Rehabilitation Center  
 Medical Director Services \$41,472

St. Catherine Healthcare and  
 Rehabilitation Center  
 Medical Director Services \$41,472

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

Lovelace Respiratory Research Institute  
 Occupational Environmental Health Clinical  
 Services \$25,000

Honeywell Aerospace  
 Professional Occupational Medical  
 Services \$6,658



Cara Therapeutics, Inc.  
 Consulting Agreement - Cara  
 Therapeutics \$6,400

**Steven (Bruce) Williams**

HRSA/HIV-AIDS Bureau  
 Ryan White HIV/AIDS Program Part D  
 Coordinated HIV Services and Access to  
 Research for Women, Infants, Children,  
 and Youth \$492,914

HRSA/HIV-AIDS Bureau  
 Ryan White HIV/AIDS Program Part D  
 Coordinated HIV Services and Access to  
 Research for Women, Infants, Children,  
 and Youth \$135,271

**Molecular Genetics & Microbiology**

**Judy Cannon**

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

**Bryce Chackerian**

National Institutes of Health  
 A Nanoparticle-Based Vaccine Targeting  
 PCSK9 \$580,797

Henry M. Jackson Foundation  
 Epitope-Based Vaccines for Neisseria  
 Gonorrhoeae \$279,243

National Institutes of Health  
 Opioid Vaccine Development Using  
 Bacteriophage Virus-Like Particle  
 Immunogens - Admin Supplement \$251,499

Massachusetts General Hospital  
 Innate-Like BCR Activity As a Template  
 for Universal Vaccination Against  
 Influenza Virus \$154,019

Massachusetts General Hospital  
 CDRH3-Independent B Cell Stimulation to

Selectively Expand VRC01 Lineages From a  
 Fully Humanized Immunoglobulin Repertoire  
 - Continuation (Year 3) \$80,457

**Vojo Deretic**

National Institute of General Medical  
 Sciences  
 Autophagy, Inflammation and Metabolism  
 in Disease Center \$2,224,034

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

National Institute of Allergy and Infectious  
 Diseases  
 Pattern Recognition Receptors and Autophagy  
 in Mtb Control in AIDS \$493,666

**Michael Mandell**

National Institute of Allergy and Infectious  
 Diseases  
 Prevention of HIV-Induced T Cell Killing  
 by Autophagy \$224,160

**Mary Ann Osley**

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

**Michelle Ozbun**

Janssen Pharmaceutical  
 Infectious Transmission of Human  
 Papillomavirus From Patient  
 Samples \$514,893

National Cancer Institute  
 Mechanisms of Infection by Oncogenic  
 HPVs \$335,528

American Cancer Society  
 MEK/ERK Signaling: An Achilles' Heel for  
 HPV-Induced Tumorigenesis \$240,000

National Institutes of Health  
 Sex-Based Differences in Oral HPV Infections  
 and Outcomes \$227,250

National Cancer Institute  
*EGFR Signaling As the Nexus for HPV  
Oncogene Regulation* \$40,167

**Xuexian Yang**

National Institutes of Health  
*Leptin Promotes Allergic Asthma Through  
Unfolded Protein Responses* \$189,375

**Neurology**

**Christopher Calder**

San Juan Regional Medical Center  
*Professional Services* \$25,000

Vertex Pharmaceuticals  
Incorporated  
*Protocol VX16-150-102: A Phase 2,  
Randomized, Double-Blind, Placebo-  
Controlled, Six-Week, Parallel-Design Study  
of the Efficacy and Safety of VX-150 in  
Treating Subjects With Pain Caused by Small  
Fiber Neuropathy* \$1,006

**Corey Ford**

Actelion Clinical Research, Inc.  
*AC-058B302: Multicenter, Randomized,  
Double-Blind, Parallel-Group, Add-On  
Superiority Study to Compare the Efficacy  
and Safety of Ponesimod to Placebo in  
Subjects With Active Relapsing Multiple  
Sclerosis Who Are Treated With Dimethyl  
Fumarate (Tecfidera®)* \$267,374

PPD Development  
*Clinical Trial Agreement Phase 3  
(Sub-Study)* \$203,093

Novartis Pharmaceuticals Corporation  
*Protocol OMB157G2399: An Open-Label,  
Single-Arm, Multi-Center Extension Study  
Evaluating Long-Term Safety, Tolerability and  
Effectiveness of Ofatumumab in Subjects  
With Relapsing Multiple Sclerosis* \$180,901

Adamas Pharmaceuticals, Inc.  
*ADS-AMT-MS303: A Multicenter, Open-  
Label Safety and Efficacy Study of ADS-5102  
Amantadine Extended Release Capsules in  
Patients With Multiple Sclerosis and Walking  
Impairment* \$45,667

University of Southern California  
*Acculturation, Genetic Ancestry, and  
Disability in Hispanic Americans With Multiple  
Sclerosis Phase 4 - Continuation* \$39,722

University of Southern California  
*Acculturation, Genetic Ancestry, and  
Disability in Hispanic Americans With  
Multiple Sclerosis Phase 4 Clinical  
Trial* \$39,154

**Tobias Kulik**

University of Cincinnati  
*Multi-Arm Optimization of Stroke  
Thrombolysis Stroke Trial* \$58,219

**Surojit Paul**

National Institute of Neurological  
Disorders and Stroke  
*Role of Brain-Specific Tyrosine Phosphatase  
STEP in Neuroprotection and Death -  
FY20* \$503,383

**John Phillips**

Eunice Kennedy Shriver National Institute  
of Child Health and Human Development  
*Building Research Capacity in Child  
Neurology: A U.S./Sri Lanka Research  
Collaborative - FY19* \$177,186

The Mind Research Network  
*MRN Medical Director* \$50,373

**Stefan Posse**

National Institutes of Health  
*Concurrent High-Speed fMRI and MRSI  
(R21)* \$176,501

The Mind Research Network  
*MDA Core-COBRE III - FY20* \$14,464

The Mind Research Network  
*MDA Core-COBRE III* \$13,935

**Michel Torbey**

The Mind Research Network  
*MRN Administrative Operations -  
FY20* \$20,860

**Jennifer Vickers**

New Mexico Department of Health  
*CMS Outreach Clinics - Neurology* \$21,100

**Guangbin Xia**

University of Rochester  
*FOR-DMD: Double-Blind Randomized Trial to  
Optimize Steroid Regimen in Duchenne MD  
AWD00001200* \$18,180

**Yi Yang**

electroCore, LLC  
*electroCore Supplement* \$5,650

**Atif Zafar**

University of California, San Francisco  
*The Brain Vascular Malformation  
Consortium: Predictors of Clinical Course -  
Phase 3 Clinical Trial* \$170,672

University of Chicago  
*Trial Readiness in Cavernous Angiomas With  
Symptomatic Hemorrhage - Year 2* \$38,000

GEPS Physician Group of New Mexico  
*Stroke Care w/BAA* \$15,000

**Neurosciences**

**Andrea Allan**

National Institute of Environmental Health  
Sciences  
*Prenatal Arsenic Exposure Alters  
Transcriptional, Post-Transcriptional and*

*Post-Translational Programming of the  
Glucocorticoid System in a Sexually  
Dimorphic Manner* \$335,604

**Jonathan Brigman**

National Institute on Alcohol Abuse and  
Alcoholism  
*Prenatal Alcohol Exposure and Corticostriatal  
Control of Behavioral Flexibility* \$335,714

University of California, San Diego  
*Neurophysiological Biomarkers of Behavioral  
Dimensions* \$146,223

**Kevin Caldwell**

National Institute on Alcohol Abuse and  
Alcoholism  
*Sex-Dependent Effects of Prenatal  
Alcohol Exposure on Developmental  
Programming* \$335,774

**Nikolaos Mellios**

National Institutes of Health  
*Role of Psychiatric Disease-Associated  
Circular RNAs in Neuronal Function and  
Cognition* \$361,240

Johns Hopkins University  
*Placental Mediated Mechanisms of Perinatal  
Brain Injury* \$4,827

**Erin Milligan**

National Institute on Alcohol Abuse and  
Alcoholism  
*Prenatal Alcohol Exposure Potentiates  
Pain Via Lifelong Spinal-Immune  
Changes* \$292,878

**Nora Perrone-Bizzozero**

The Mind Research Network  
*Mining the Genome-Wide Scan: Genetic  
Profiles of Structural Loss in Schizophrenia -  
Non-Specific Supplement* \$3,210

**Daniel Savage**

National Center for Advancing  
Translational Sciences  
*Impact of SAR152954 on Prenatal Alcohol  
Exposure-Induced Neurobehavioral Deficits -  
Continuation* \$301,164

**Bill Shuttleworth**

National Institute of Neurological  
Disorders and Stroke  
*Spreading Depolarizations and Neuronal  
Vulnerability* \$326,885

New Mexico State University  
*New Mexico IDEeA Networks of Biomedical  
Research Excellence* \$157,965

New Mexico State University  
*New Mexico IDEeA Networks of  
Biomedical Research Excellence - Specific  
Supplement* \$9,999

<b>Carlos Valenzuela</b> National Institute on Alcohol Abuse and Alcoholism <i>Alcohol and Developing Neuronal Circuits (MERIT AWARD)</i> \$378,750	Cibola General Hospital <i>Hospital Service Agreement (ACCESS)</i> \$125,000	New Mexico Department of Health <i>Provide Risk-Appropriate Prenatal Medical Services to Medically Indigent Women in New Mexico With Obstetrical and/or Medical Complications</i> \$54,960
National Institute on Alcohol Abuse and Alcoholism <i>Alcohol Research Training in Neurosciences</i> \$158,588	Holy Cross of Taos <i>Hospital Service Agreement (ACCESS)</i> \$125,000	Albuquerque Area Indian Health Service <i>OBGYN IHS Specialty Services</i> \$36,244
<b>Tou Yia Vue</b> National Institute of Neurological Disorders and Stroke <i>Underlying Molecular Mechanisms of Gliogenesis and Gliomagenesis in the CNS</i> \$240,594	Alta Vista Regional Hospital <i>Master Hospital Agreement (ACCESS)</i> \$125,000	New Mexico Department of Health <i>Certified Nurse Midwife Contractor Project w/BAA</i> \$25,000
<b>Jason Weick</b> Clemson University <i>R1I Track-2 FEC: The Creation of Next-Generation Tools for Neuroscience</i> \$232,758	Union County General Hospital <i>Master Hospital Agreement (ACCESS)</i> \$125,000	Anonymous Non-Profit Foundation <i>Fellowship in Family Planning</i> \$979
<b>Neurosurgery</b>	Rehoboth McKinley Christian Health Care Services <i>Master Hospital Agreement (ACCESS)</i> \$125,000	New Mexico Department of Health <i>Certified Nurse Midwife Contractor Project w/BAA - Specific Supplement</i> \$316
<b>Andrew Carlson</b> Polyganics <i>Professional Services Agreement</i> \$10,000	Los Alamos Medical Center <i>Master Hospital Agreement (ACCESS)</i> \$125,000	<b>Lisa Hofler</b> New Mexico Department of Health <i>Tubal Ligation Sterilization (Multi-Year)</i> \$202,560
<b>Rex Jung</b> Johnson O'Connor Research Foundation <i>The Neuroscience of Aptitude - Continuation</i> \$66,825	San Juan Regional Medical Center <i>Master Hospital Agreement (ACCESS)</i> \$125,000	New Mexico Department of Health <i>Family Planning and Vasectomy</i> \$72,228
<b>Jeremy Lewis</b> InVivo Therapeutics Corporation <i>Invivo-100-105: Invivo-100-105: Randomized, Controlled, Single-Blind Study of Probable Benefit of the Neuro-Spinal Scaffold™ for Safety and Neurologic Recovery in Subjects With Complete Thoracic AIS a Spinal Cord Injury As Compared to Standard of Care</i> \$94,130	Lovelace Health System <i>Master Hospital Agreement (ACCESS)</i> \$125,000	University of California, San Francisco SWS \$6,000
<b>Edwin Nemoto</b> Kinesio Taping Association International <i>Kinesio Taping in Medical Applications</i> \$53,900	Nor-Lea General Hospital <i>Master Hospital Agreement (ACCESS)</i> \$25,000	RAD <i>Cost of Care</i> \$5,000
<b>Peter Shin</b> Eastern New Mexico Medical Center <i>Master Hospital Agreement (ACCESS)</i> \$125,000	<b>Obstetrics &amp; Gynecology</b>	<b>Yuko Komesu</b> Research Triangle Institute <i>Human Microbiome Study-ESTEEM (PFDN Capitation)</i> \$310,000
<b>Howard Yonas</b> Presbyterian Healthcare Services <i>Professional Services/ Consultations</i> \$402,000	<b>Gillian Burkhardt</b> Hopewell Funds <i>Gynuity RAD</i> \$39,412	Cook Myo Site <i>Protocol 15-06: CELLEBRATE: An Adaptive, Two-Stage, Double-Blind, Stratified, Randomized, Controlled Trial Comparing the Safety and Efficacy of AMDC-USR With Placebo in Female Subjects With Stress Urinary Incontinence</i> \$154,894
Miners Colfax Medical Center <i>Master Hospital Agreement (ACCESS)</i> \$125,000	<b>Conrad Chao</b> New Mexico Department of Health <i>High-Risk Prenatal Care</i> \$82,460	<b>Jamie Krashin</b> Society of Family Planning <i>Post-Fellowship Salary Support</i> \$113,152
Memorial Medical Center <i>Master Hospital Agreement (ACCESS)</i> \$125,000	<b>Eve Espey</b> New Mexico Department of Health <i>Family Planning &amp; STD Services Project</i> \$551,166	Society of Family Planning <i>Lacto-rod</i> \$15,000
	Anonymous Non-Profit Foundation <i>Fellowship in Family Planning</i> \$401,729	<b>Brenda Pereda</b> Anonymous Non-Profit Foundation <i>Addressing Racism and Inequity in Family Planning Care</i> \$232,582
	St. Vincent Hospital/Richard M. Angle Cancer Treatment <i>Professional Services</i> \$307,409	Anonymous Non-Profit Foundation <i>Addressing Racism and Inequity in Family Planning Care</i> \$29,997
	St. Vincent Hospital/Richard M. Angle Cancer Treatment <i>Professional Services</i> \$300,000	
	Christus St. Vincent Regional Medical Center <i>Professional Services - Auto-Renew</i> \$235,391	
	First Choice Community Healthcare <i>Professional Services</i> \$86,649	



## Office of the Medical Investigator

### Karen Cline Parhamovich

Lovelace Health System  
FY20 Lovelace Health System - Autopsy  
(Billing Through NSAR) \$8,000

### Lauren Decker

New Mexico Department of Health  
FY19 OMI Mass Fatality Planning \$49,849

New Mexico Department of Health  
FY19 New Mexico Violent Death Reporting  
System \$5,275

### Hannah Kastenbaum

New Mexico Public Safety Department  
2018 Paul Coverdell Forensic Science  
Improvement Award \$78,320

### Sarah Lathrop

New Mexico Department of Health  
Opioid Mortality Surveillance (Increase  
Funding Y3) \$51,379

U.S. Consumer Product Safety Commission  
MECAP Reports \$1,260

U.S. Consumer Product Safety Commission  
MECAP Reports \$882

### Kurt Nolte

New Mexico Department of Health  
FY19 OMI Death Certificates & Toxicology  
Panels for Potential Overdose Deaths \$211,867

U.S. Department of Veterans Affairs  
VA 2018 - 2019 Non-Forensic Autopsy  
Services \$30,143

New Mexico Department of Health  
FY19 NM Non-Pending Toxicology Specimen  
Support \$26,638

U.S. Department of Justice  
FY19 Expert Witness Agreements \$25,000

Lovelace Health System  
FY19 Lovelace Health System - Autopsy  
(Billing Through NSAR) \$8,000

U.S. Department of Veterans Affairs  
VA 2018 - 2019 Non-Forensic Autopsy  
Services \$120

### Lori Proe

New Mexico Crime Victims Reparation  
Commission  
OMI Grief Services 2019 \$104,683

National Center for Chronic Disease  
Prevention and Health Promotion  
OMI UNM SUID SDY Application \$59,800

## Orthopaedics & Rehabilitation

### Marybeth Barkocy

University of Oklahoma  
Special Education Research and Innovation to  
Improve Services and Results \$4,244

### Thomas Decoster

Arthrex, Inc.  
Arthrex Orthopaedic Trauma \$5,000

Biomet, Inc.  
BIOMET 2019 AAOS Conference \$1,500

### Rick Gehlert

Bonesupport  
Clinical Trial of CERAMENT As Part  
of Surgical Repair of Open Diaphysial  
Tibial Fractures (FORTIFY) - Specific  
Supplement \$153,564

### Beth Moody Jones

Langford Consulting, Inc.  
Professional Services Agreement \$37,764

### Antony Kallur

NuVasive Inc  
Nuvasive, Inc \$38,400

### Robert Schenck

University of Pittsburgh  
Surgical Timing and Rehabilitation for  
Multiple Ligament Knee Injuries: A  
Multicenter Integrated Clinical Trial \$10,815

ExplorAbilities, Inc.  
Professional Services (Orthopaedics &  
Rehabilitation) \$33,696

### Gehron Treme

Synthes, Inc.  
Deputy Synthes AO Trauma \$10,000

Johnson & Johnson  
Synthes AO  
Resident Education Support Tuition/Travel  
Grant \$5,475

Stryker Orthopaedics & Rehabilitation  
OTA Fall Residents Comprehensive Fracture  
Course \$3,972

### Daniel Wascher

Arthrex, Inc.  
Arthrex Orthopaedic Sports \$20,000

Smith & Nephew, Inc  
2019-2020 Fellowship Support  
Program \$20,000

## Pathology

### Tione Buranda

Sandia Biotech, Inc.  
PSA Sandia Biotech, Inc. \$4,000

### Douglas Clark

TriCore Reference Laboratories  
Medical Directorship and Professional  
Services \$2,664,190

### Kendall Crookston

Vitalant Research Institute  
Transfusion Medicine Fellowship \$99,973

### Karissa Culbreath

TriCore Reference Laboratories  
CRSA\_Clinical Performance of the  
Accelerate Phenotest™ BP Kit Using the  
Accelerate Pheno™ System for Determining  
Organism Identification, Semi-Quantitation,  
and Antimicrobial Susceptibility Testing  
From Respiratory BAL and Mini-BAL  
Samples \$6,500

TriCore Reference Laboratories  
Protocol: 120616rlm: BHI Broth With  
Ciprofloxacin and Macconkey Agar With  
Ciprofloxacin \$1,498

TriCore Reference Laboratories  
Gamma Evaluation of Accelerate Sample  
Phenoprep™ Module, Accelerate Phenotest™  
BP Kit, and Reference Method for BAL and  
Mini-BAL Specimens \$1,300

### Bruce Edwards

University of Connecticut  
Developing a Screening Campaign for  
Immune Enhancers \$151,500





**Jennifer Gillette**

American Cancer Society  
*CD82 Regulates Acute Myeloid Leukemia Adhesion With the Bone Marrow* \$792,000

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

National Cancer Institute  
*The Impact of CD82 Expression on Acute Myeloid Leukemia Chemosensitivity and Disease Relapse - Continuation* \$33,396

**Diane Lidke**

Genmab  
*Dissecting the Mechanisms of Action for Hexobody-Driven DR5-Induced Cell Death* \$259,844

National Institute of General Medical Sciences  
*Imaging the Early Events in Membrane Receptor Signaling* \$1

**David Martin**

TriCore Reference Laboratories  
*Multi-Center, Retrospective, Pivotal Study to Evaluate the Accuracy and Precision of the Aperio Epathology System for Primary Diagnosis of Formalin-Fixed Paraffin-Embedded Tissue Sections: Professional Services* \$22,500

**Aaron Neumann**

National Institutes of Health  
*Nano and Microscale Molecular Machines for Innate Immune Sensing of Candida* \$358,138

University of Texas at El Paso  
*Elucidation of Structures and Functions of*

*Lipid Rafts in Giardia by Super Resolution Imaging* \$30,000

**Samuel Reynolds**

TriCore Reference Laboratories  
*PSA: Clinical Performance of CINtec PLUS Cytology on the VENTANA Benchmark ULTRA Instrument for Identification of High-Grade Cervical Disease When Used As a Reflex Test in High-Risk HPV-Positive Women* \$42,105

TriCore Reference Laboratories  
*Multi-Center, Retrospective, Pivotal Study to Evaluate the Accuracy and Precision of the Aperio Epathology System for Primary Diagnosis of Formalin-Fixed Paraffin-Embedded Tissue Section: Professional Services* \$22,500

TriCore Reference Laboratories  
*PSA TriCore/Roche* \$5,485

**Larry Sklar**

National Institutes of Health  
*A High-Throughput Chemical Screen to Identify Inhibitors of the Azole Transporter Cdr1p in Candida* \$273,077

University of Miami  
*Illuminating the Druggable Genome Resource Dissemination and Outreach Center* \$255,000

Gilead Sciences  
*Evaluation of Novel Probes - Continuation* \$198,006

Boston Children's Hospital  
*Compounds That Block a Novel Candida Albicans Target* \$146,388

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

**Mohammad Vasef**

TriCore Reference Laboratories  
*Biocartis to UNM IRB Review Fees (Dr. Vasef)* \$3,200

**Angela Wandinger-Ness**

National Institutes of Health  
*Academic Science Education and Research Training - Continuation* \$809,129

National Cancer Institute  
*The Role of Rac1 in Ovarian Cancer Metastasis and Niche Interaction* \$33,990

**Stephen Young**

DNA Electronics  
*Protocol 22-0001-01: Sample Acquisition Study to Evaluate the DNA Electronics Inc Pathogen Capture System and DNAAe Group Holdings Genalysis System (LIDIA Bloodstream Infection Test)* \$18,993

**Pediatrics**

**Shirley Abraham**

Oregon Health & Science University  
*Hemophilia Treatment Centers (SPRANS)* \$34,250

Oregon Health & Science University  
*Regional Hemophilia Network-Mountain States - Continuation* \$34,250

American Thrombosis and Hemostasis Network  
*A Natural History Cohort Study of the Safety, Effectiveness, and Practice of Treatment for People With Hemophilia (ATHN 7)* \$31,900

**Novo Nordisk, Inc.**

Protocol No. NN7008-3553  
*A Multi-Center Non-Interventional Study of Safety and Efficacy of Turoctocog Alfa (RFVIII) During Long-Term Treatment of Severe and Moderately Severe Haemophilia a (FVIII≤2%)* \$31,834

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

Novo Nordisk, Inc.  
*NN7415-4322: A Prospective, Multi-National, Non-Interventional Study in Haemophilia A and B Patients With or Without Inhibitors Treated According to Routine Clinical Treatment Practice* \$17,214

American Thrombosis and Hemostasis Network  
*ATHN Data Quality Counts: Round 10.1* \$10,400

Oregon Health & Science University  
*ATHENA1: Characterizing the Impact and Treatment of Reproductive Tract Bleeding on Women With Bleeding Disorders* \$4,000

Pacific Sickle Cell Regional Collaborative  
*Pacific Sickle Cell Regional Collaborative* \$2,000

**Tanya Baker-McCue**

New Mexico Division of Vocational Rehabilitation  
*DVR School to Work* \$500,000

New Mexico Division of Vocational Rehabilitation  
*DVR School to Work Project* \$500,000

New Mexico Division of Vocational Rehabilitation  
*DVR Partners for Employment* \$410,000

New Mexico Division of Vocational Rehabilitation  
*DVR Partners for Employment* \$410,000

New Mexico Developmental Disabilities Planning Council  
*DDPC Information Network* \$165,000

New Mexico Developmental Disabilities Planning Council  
*DDPC Information Network* \$165,000

New Mexico Developmental Disabilities Planning Council  
*DDPC Health Access MOU* \$10,000

New Mexico Developmental Disabilities Planning Council  
*DDPC Health Access MOU* \$10,000

**Sophie Bertrand**

New Mexico Children, Youth & Families Department  
*Home Visiting Training* \$1,461,411

**Laura Caffey**

Health Resources and Services Administration  
*New Mexico Pediatric Pulmonary Center - Continuation* \$298,875

New Mexico Department of Health  
*Summer Asthma Institute Project* \$6,920

**Anthony Cahill**

HRSA/Maternal and Child Health Bureau  
*New Mexico Perinatal and Infant Oral Health Quality Improvement Project - Continuation* \$249,918

American Association on Health & Disability  
*Project Accessibility USA: Health Promotion for Women With Disabilities - Continuation* \$34,600

**Glenda Canaca**

New Mexico Human Services Department  
*Social Marketing* \$389,653



**Loretta Cordova de Ortega**

New Mexico Department of Health  
*Children's Medical Services Outreach Clinics Project - Specific Supplement* \$46,200

**Ben Archer**

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

San Juan Regional Medical Center  
*Echocardiograms - Continuation* \$25,000

Northern Navajo Medical Center  
*Provide On-Site Pediatric Genetic Clinic Services for the Northern Navajo Medical Center - Shiprock* \$4,800

Northern Navajo Medical Center  
*Service Contact* \$4,800

**Theresa Cruz**

New Mexico Human Services Department  
*SNAP-Ed Evaluation* \$167,366

Thornburg Foundation  
*Increasing Home Visiting Referrals Through Implementation, Dissemination and Evaluation* \$85,000

Presbyterian Healthcare Services  
*REACH* \$72,000

New Mexico Department of Health  
*Safe Sleep* \$21,100

New Mexico Department of Health  
*Violence Prevention Project* \$10,500

McCune Charitable Foundation  
*PRO HV - 2018* \$10,000

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

National Dance Institute - New Mexico  
*NDI-NM Eval* \$3,500

**Sally Davis**

Centers for Disease Control and Prevention

*Village Interventions and Venues for Activity II - Continuation* \$405,091

Centers for Disease Control and Prevention  
*Prevention Research Center Core Continuation* \$328,909

New Mexico Department of Health  
*Teen Outreach Program* \$300,899

Centers for Disease Control and Prevention  
*NOPREN - Early Childcare Settings Serving Southwest American Indians and Hispanic Populations* \$80,000

New Mexico Department of Health  
*Implementing Evidence-Based Recommendations in Community Projects* \$30,939

New Mexico Resiliency Alliance  
*Multivariate Resiliency Index Development* \$5,400

**Walter Dehority**

Medpace Inc.  
*MDA 2013-0039: A Phase 3, Multi-Center Study to Evaluate the Efficacy and Safety of Mino-lok Therapy in Combination With Systemic Antibiotics in the Treatment of Catheter-Related or Central Line-Associated Bloodstream Infection* \$32,000

Zavante Therapeutics, Inc.  
*ZTI-01-100: Single-Dose of ZTI-01 (Fosfomycin for Injection) in Pediatric Subjects (Less Than 12 Years of Age) Receiving Standard of Care Antibiotic Therapy for Proven or Suspected Infection or for Peri-Operative Prophylaxis* \$32,000

**Sara Del Campo de Gonzalez**

Harvard Graduate School of Education  
*Health's Early Roots & Origins: Field Testing Measures of Stress System Activation in Children in Pediatric Primary Care Settings* \$36,503



<b>Darrell Dinwiddie</b> University of Washington Admin Supplement for MLVP \$75,750	New Mexico Public Education Department <i>Improving Student Health and Academic Achievement Through Nutrition, Physical Activity and the Management of Chronic Conditions in Schools</i> \$20,000	New Mexico Department of Health <i>Long-Acting Reversible Contraception Training and Stocking Project - Specific Supplement</i> \$87,125
<b>Elif Dokmeci</b> AbbVie M16-049: An Open-Label, Multiple-Dose Study to Evaluate the Pharmacokinetics, Safety and Tolerability of Upadacitinib in Pediatric Subjects With Severe Atopic Dermatitis \$175,703	<b>John Kuttesch</b> St. Baldrick's Foundation <i>Improving Access to Clinical Research Trials</i> \$60,000	Santa Fe Community Foundation <i>LARC Mentoring Program</i> \$60,000
<b>Sandra Heimerl</b> HRSA/Maternal and Child Health Bureau New Mexico LEND: Leadership Education in Neurodevelopmental Disabilities \$661,653	Children's Hospital of Philadelphia <i>Per Case Reimbursement Clinical Rider-Industry Work Order, PH II, PH+ALL - Continuation</i> \$54,300	Santa Fe Community Foundation <i>New Mexico Early Childhood Funders Group - LARC Mentoring Program - Non-Specific Supplement</i> \$52,000
HRSA/Maternal and Child Health Bureau New Mexico LEND: Leadership Education in Neurodevelopmental Disabilities \$339,361	Children's Hospital of Philadelphia <i>Phase 3 Clinical Trial - Industry</i> \$12,800	Santa Fe Community Foundation <i>New Mexico Early Childhood Funders Group - LARC Mentoring Program - Non-Specific Supplement</i> \$20,000
HRSA/Maternal and Child Health Bureau New Mexico LEND: Leadership Education in Neurodevelopmental Disabilities \$293,801	<b>Jean Lowe</b> University of California, San Francisco <i>High-Dose Erythropoietin for Asphyxia and Enciphalopathy CCC Project - Continuation</i> \$23,196	<b>Marcia Moriarta</b> New Mexico Children, Youth & Families Department ACA-CYFD Nurse Family Partnership PAT \$3,035,053
New Mexico Developmental Disabilities Planning Council New Mexico LEND Legislative Advocacy Workshop \$2,500	University of California, San Francisco <i>High-Dose Erythropoietin for Asphyxia and Enciphalopathy CCC Project - Specific Supplement</i> \$10,462	New Mexico Department of Health <i>DOH Autism Programs</i> \$2,774,040
<b>Andrew Hsi</b> New Mexico Department of Health DDSD FIT (FOCUS) \$66,000	University of Washington <i>Preterm Epo Neuroprotection Trial CCC: Capitation</i> \$10,100	New Mexico Human Services Department <i>Improving Quality (75/25 &amp; 50/50 Medicaid Match) Supporting Child Development Through Evidence-Based Practices</i> \$2,000,000
<b>Lauren Jantzie</b> Army Medical Research Acquisition Activity <i>Mechanisms and Non-Surgical Treatment of Acquired Symptomatic Hydrocephalus</i> \$1,126,208	University of Washington <i>Preterm Epo Neuroprotection Trial CCC</i> \$5,000	New Mexico Human Services Department <i>Improving Quality (75/25 &amp; 50/50 Medicaid Match) Supporting Child Development Through Evidence-Based Practices</i> \$2,000,000
<b>Patricia Keane</b> New Mexico Human Services Department CHILE Plus \$305,063	University of Washington <i>Preterm Epo Neuroprotection Trial CCC</i> \$5,000	
<b>Alberta Kong</b> Janssen Research & Development, LLC 28431754DIA3018: A Randomized, Multicenter, Double-Blind, Parallel-Group, Placebo-Controlled Study to Investigate the Efficacy and Safety of Canagliflozin in Children and Adolescents (≥10 to <18 Years) With Type 2 Diabetes Mellitus \$93,044	<b>Peggy MacLean</b> Erikson Institute <i>Erikson Institute FBN ECHFS FY19</i> \$8,700	
Brindle Foundation <i>Optimizing Care for Neonatal Opioid Withdrawal Syndrome in Rural New Mexico</i> \$25,000	<b>Ksenia Matlawska-Wasowska</b> National Institutes of Health <i>The Roles of SOCS5 in T-ALL Migration and Tissue Infiltration</i> \$343,258	
<b>Klein Buendel</b> Web App <i>Technology for Boys and Parents: Improving HPV Vaccine Uptake</i> \$23,882	<b>Jane McGrath</b> New Mexico Department of Health <i>Long-Acting Reversible Contraception Training and Stocking Project - Continuation</i> \$250,000	
	New Mexico Department of Health <i>Long-Acting Reversible Contraception Training and Stocking Project</i> \$162,875	
	Santa Fe Community Foundation <i>New Mexico Early Childhood Funders Group - LARC Mentoring Program</i> \$150,000	



New Mexico Department of Health  
Early Childhood Evaluation Program SGF/  
Part B/part C \$1,082,000

New Mexico Children, Youth & Families  
Department  
CDD Preschool Development Grant \$748,500

Falling Colors Corporation  
Early Childhood Infrastructure Development  
(FY19) \$598,000

Administration for Community Living  
University Center for Excellence in  
Developmental Disabilities \$547,000

New Mexico Department of Health  
DDSD Partners for Employment \$546,235

New Mexico Department of Health  
Early Childhood Network \$534,900

Falling Colors Corporation  
Infant Mental Health Community of  
Practice \$400,000

Irving Harris Foundation  
Harris Center for Excellence in Infant and  
Early Childhood Mental Health \$360,000

New Mexico Public Education Department  
Early Childhood Evaluation Program SGF/  
PartB/PartC - PED \$150,000

New Mexico Department of Health  
DDSD Statewide Training Database \$111,607

New Mexico Department of Health  
Project SET \$106,191

Qualis Health  
In-Home Assessments for Medically Fragile  
Waiver w/BAA - Continuation \$102,125

New Mexico Department of Health  
DDSD Informed Choice \$100,000

New Mexico Department of Health  
Medically Fragile Case Management \$86,000

New Mexico Department of Health  
New Mexico SAFE Program \$83,437

Falling Colors Corporation  
Parent Infant Psychotherapy \$63,000

New Mexico Department of Health  
DDSD FIT - Specific Supplement \$61,730

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

New Mexico Department of Health  
DDSD Partners for Employment -  
Supplement \$6,600

**Martha Muller**  
Merck, Sharp & Dohme, Inc.  
MK7655A-021-0358: A Clinical Study to  
Evaluate the Safety, Tolerability, Efficacy and  
Pharmacokinetics of MK-7655A in Pediatric  
Participants From Birth to Less Than 18 Years  
of Age With Confirmed or Suspected Gram-  
Negative Bacterial Infection \$291,258

Cystic Fibrosis Foundation  
Cystic Fibrosis Center of New Mexico -  
CF Registry \$63,345

**Sylvia Negrete**  
Anonymous Sponsor  
Healthy Lifestyles Programming \$50,000

**Dawn Novak**  
New Mexico Department of Health  
Developmental Care Continuity Program -  
Fee for Service - Continuation \$118,000

New Mexico Department of Health  
Developmental Care Continuity Program -  
Continuation \$61,390

New Mexico Department of Health  
Developmental Care Continuity Program - Fee  
for Service - Specific Supplement \$57,620

**Robin Ohls**  
RTI International  
NICHD Cooperative Multicenter Neonatal  
Research Network: TOP 5 and NRN \$50,000

**Pat Osbourn**  
New Mexico Public Education Department  
PED Pre-K Consultation \$1,674,717

New Mexico Public Education Department  
FOCUS Preschool Special Education \$583,983

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

New Mexico Public Education Department  
PED Pre-K Consultation \$226,825

Region IX Education Cooperative  
Region IX Education Cooperative -  
Autism \$212,453

U.S. Department of Education  
Project for New Mexico Children Who Are  
Deaf-Blind \$107,917

New Mexico Developmental Disabilities  
Planning Council  
Partners in Policymaking/EC Project \$67,000

Rio Rancho Public Schools  
Rio Rancho Consultations \$55,690

Rio Rancho Public Schools  
Rio Rancho Consultations \$55,690

Albuquerque Public Schools  
APS Consultations - Specific Supplement  
FY19 \$20,567

Carlsbad Municipal Schools  
Carlsbad Consultations \$14,191

Silver Consolidated Schools  
Silver Consolidated Schools  
Consultations \$13,958

Albuquerque Public Schools  
APS Consultations \$11,033

Belen Consolidated Schools  
Belen Consultations \$11,000

Belen Consolidated Schools  
Belen Public Schools Consultations \$10,765

Silver Consolidated Schools  
Silver Consolidated Schools  
Consultations \$9,729

Silver Consolidated Schools  
RBT Supervision \$9,518

Bernalillo Public Schools  
Bernalillo Consultations \$6,250

Estancia Municipal Schools  
Estancia Municipal Schools  
Consultations \$5,775

Moriarty-Edgewood School District  
Moriarty Edgewood Consultations \$5,664

Silver Consolidated Schools  
Silver Consolidated Schools FY2019 \$4,976

**Lucille Papile**  
Stanford University  
Webinar Implementation for the Science  
of Enhancing Resilience NICUs Study -  
Continuation \$1,810

**Linda Penaloza**  
New Mexico Department of Health  
YRRS - Continuation \$169,201

New Mexico Department of Health  
YRRS - Specific Supplement \$95,000

Albuquerque Public Schools  
APS 1807 \$77,000

New Mexico Public Education Department  
PED Evaluation \$36,500

New Mexico Public Education Department  
PED Evaluation \$36,500

New Mexico Department of Health  
Sexual Violence Prevention Meeting \$3,323

**Hengameh Raissy**  
inVentiv Clinical, LLC  
AV003: Phase 3 Study Evaluating the  
Efficacy and Safety of PT027 Compared to  
PT007 Administered As Needed in Response  
to Symptoms in Symptomatic Adults and  
Children 4 Years of Age or Older With  
Asthma (MANDALA) \$77,587



Vertex Pharmaceuticals, Inc.  
*VX17-445-105: A Phase 3, Open-Label Study Evaluating the Long-Term Safety and Efficacy of VX445 Combination Therapy in Subjects With Cystic Fibrosis Who Are Homozygous or Heterozygous for the F508del Mutation* \$49,033

Celtaxsys  
*Clinical Trial Agreement - Phase 2 - Continuation* \$42,424

Vertex Pharmaceuticals, Inc.  
*Phase 3 Clinical Trial* \$41,000

Duke University  
*Pharmacokinetics and Safety of Anesthetics and Analgesics in Children* \$37,875

Vertex Pharmaceuticals, Inc.  
*VX17-445-102: A Phase 3, Randomized, Double-Blind, Controlled Study Evaluating the Efficacy and Safety of VX-445 Combination Therapy in Subjects With Cystic Fibrosis Who Are Heterozygous for the F508del Mutation and a Minimal Function Mutation* \$31,744

AstraZeneca Pharmaceuticals, LP  
*Protocol D3250c00045: Multicenter, Randomized, Double-Blind, Par of Benralizumab Group, Placebo-Controlled, Phase 3b Study to Evaluate the Safety and Efficacy of 30mg Sc in Patients With Severe Asthma Uncontrolled on Standard of Care Treatment* \$20,110

University of Utah  
*Multicenter Validation of Predictive Sputum Biomarkers in CF* \$2,000

**Mary Ramos**  
 Conrad N. Hilton Foundation  
*SBIRT in School-Based Health Centers in New Mexico* \$750,000

HBSA  
*New Mexico School-Based Health Center Evaluation* \$39,838

New Mexico Department of Health  
*DOH Clinical Support for Provision of Family Planning, Pregnancy Testing and Sexually Transmitted Infection* \$36,280

Pacific Institute for Research & Evaluation  
*Implementing School Nursing Strategies to Reduce LGBTI Adolescent Suicide* \$20,000

**Leslie Strickler**  
 New Mexico Crime Victims Reparation Commission  
*Para Los Ninos CVRC* \$352,600

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

New Mexico Crime Victims Reparation Commission  
*Victims of Crime Act - ACCESS* \$72,064

U.S. Department of Justice  
*Expert Witness Contract - Farnham* \$11,203

U.S. Department of Justice  
*US DOJ - U.S. v. Duran* \$9,900

U.S. Department of Justice  
*Expert Witness Contract - Soseeah* \$6,673

**Nicole Urrea**  
 Duke University  
*BMS01 PK & Safety of Commonly Used Drugs in Lactating Women & Breastfed Infants* \$15,150

**Monique Vallabhan**  
 Health Resources and Services Administration  
*Telehealth Network Grant* \$299,999

New Mexico Department of Health  
*Piloting the Effectiveness of the Low-Literacy Pictorial Asthma Action Plan Project* \$52,750

**Norma Ventura**  
 American Academy of Pediatrics  
*Flu2text: A Multi-Site Study Assessing an Intervention for Second Dose of Influenza Vaccine* \$1,000

**Jennifer Vickers**  
 New Mexico Department of Health  
*CORE Developmental Disabilities Waiver Outside Review Project* \$1,501,100

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

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

**Kristi Watterberg**  
 Eunice Kennedy Shriver National Institute of Child Health and Human Development  
*NICHD Cooperative Multicenter Neonatal Network* \$273,421

RTI International  
*NIH/NICHD Neonatal Capitation (NRN)-Continuation* \$273,421

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

**Craig Wong**  
 The Children's Mercy Hospital  
*CKiD IV* \$27,767

Presbyterian Healthcare Services  
*Pediatric Nephrology On-Call Services* \$25,000

Presbyterian Healthcare Services  
*Pediatric Nephrology On-Call Services* \$25,000

Presbyterian Healthcare Services  
*Pediatric Nephrology On-Call Services* \$25,000

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

**Elizabeth Yakes Jimenez**  
 Academy of Nutrition and Dietetics  
*Director of the Dietetics Practice-Based Research Network* \$318,981

Academy of Nutrition and Dietetics  
*Director of the Dietetics Practice-Based Research Network* \$98,000



## Psychiatry & Behavioral Sciences

### Christopher Abbott

National Institutes of Health  
ECT Current Amplitude and Medial Temporal  
Lobe Engagement - Continuation \$506,411

The Mind Research Network  
Data-Driven Approaches to Identify  
Biomarkers From Multimodal Imaging Big  
Data \$17,957

### Deborah Altschul

San Felipe Pueblo  
San Felipe Native AWARE (Advancing  
Wellness and Resiliency in  
Education) \$1,250,000

San Felipe Pueblo  
San Felipe Zero Suicide \$525,000

Taos Pueblo Division of Health and  
Community Services  
Taos Pueblo Tiwa Babies Program - FY19-  
FY21 \$140,000

San Felipe Pueblo  
KEYWAH II - Katishtya Embraces Youth,  
Wellness, and Hope \$119,515

Falling Colors Corporation  
Multi-Systemic Therapy Data Reporting  
Initiative (MST Data) - FY19 \$31,400

Falling Colors Corporation  
ASURE-TI - Adolescent Substance Use  
Reduction Effort - Treatment  
Implementation \$10,000

U.S. Indian Health Service  
IHS Mental Health First Aid \$9,952

### Caroline Bonham

U.S. Indian Health Service  
IHS Tele-Behavioral Health, Training &  
Consultation \$799,909

New Mexico Human Services Department  
New Mexico Consortium for Behavioral  
Health, Training & Research  
Development II \$210,000

U.S. Indian Health Service  
IHS Tele-Behavioral Health, Training &  
Consultation \$74,900

Albuquerque Area Indian Health Service  
Albuquerque Area IHS Clinical Training  
and Education \$24,750

### Juan Bustillo

The Mind Research Network  
COBRE III \$48,689

The Mind Research Network  
COBRE III \$46,603

The Mind Research Network  
COBRE III \$37,873

### Annette Crisanti

Bernalillo County  
Collaborative Interdisciplinary Evaluation  
and Community-Based Treatment \$160,000

Department of Health  
Medication-Assisted Treatment in  
Emergency Department \$140,000

American Psychological Association  
APA Fellowship Yr 2 - Alonso  
Marsden \$49,844

### Lucas Dunklee

Massachusetts General Hospital  
Augmentation Versus Switch: Comparative  
Effectiveness Research Trial for Antidepressant  
Incomplete and Non-Responders With  
Treatment-Resistant Depression \$271,035

### Martha "Molly" Faulkner

National Institute on Drug Abuse  
NIMH Outreach Partnership Program  
FY20 \$7,500

### Brian Isakson

New Mexico Children, Youth & Families  
Department  
Healthy Transitions Expansion Grant  
(HTEP) \$807,500

Substance Abuse and Mental Health  
Services Administration  
ACTION II - Addressing Childhood Trauma  
Through Intervention, Outreach, and  
Networking - Continuation FY20 \$399,717

Substance Abuse and Mental Health  
Services Administration  
Addressing Childhood Trauma Through  
Intervention, Outreach, and  
Networking II \$333,333

Falling Colors Corporation  
Bridges to Wellness Evaluation (Promoting  
Integration of Physical and Behavioral  
Health Care) - Continuation FY20 \$184,220

Falling Colors Corporation  
Bridges to Wellness Evaluation (Promoting  
Integration of Physical and Behavioral  
Health Care) \$75,000

First Choice Community Healthcare  
First Choice Community Healthcare \$73,402

Substance Abuse and Mental Health  
Services Administration  
COPE Primary Care Integration (ICOPE-PC) -  
Specific Supplement \$25,000

Falling Colors Corporation  
Bridges to Wellness Evaluation (Promoting  
Integration of Physical and Behavioral  
Health Care) - Specific Supplement \$21,055



Falling Colors Corporation  
Healthy Transitions Expansion Grant  
(HTEP) FY19 \$16,667

New Mexico Children, Youth & Families  
Department  
CYFD Community of Care Expansion \$8,800

### Julie Salvador

Falling Colors Corporation  
New Mexico State Opioid Response -  
Continuation SFY20 \$669,723

Falling Colors Corporation  
New Mexico State Opioid  
Response \$500,654

Agency for Healthcare Research and  
Quality  
Innovative Model for Increasing MAT Access  
(AHRQ MAT) - FY19 Continuation \$389,610

Falling Colors Corporation  
New Mexico State Opioid Response -  
Amendment 1 \$236,880

Falling Colors Corporation  
New Mexico State Opioid Response -  
Supplement \$163,928

### Mauricio Tohen

Bernalillo County  
Psychiatric Services \$89,000

### Ann Waldorf

Center for Substance Abuse Treatment  
UNM - Provider's Clinical Support  
System \$150,000

Falling Colors Corporation  
Assertive Community Treatment -  
FY20 \$135,790

Falling Colors Corporation  
Assertive Community Treatment \$101,657

## Radiology

### Gary Mlady

U.S. Department of Veterans Affairs  
Provide Radiological and Nuclear Medicine  
Diagnostics and Therapy Services for  
NMVAHSC FY20 \$3,141,736

New Mexico Department of Health  
BCC Early Detection Program -  
Specific Supplement \$33,394

New Mexico Department of Health  
BCC Early Detection Program \$126,891

## Surgery

### Arup Das

Genentech, Inc.  
YOSEMITE GR40349 \$1,178,160

National Eye Institute  
Novel Biomarkers & Genetics of Diabetic  
Retinopathy \$512,760

New Mexico Commission for the Blind  
Commission for the Blind - Emergency Eye  
Care Program \$125,000

New Mexico Commission for the Blind  
Emergency Eye Care Program \$125,000

### Bridget Fahy-Chandon

Stanford University  
A Multi-Center Randomized Controlled Trial  
of Perioperative Palliative Care Surrounding  
Cancer Surgery for Patients and Their Family  
Members \$181,544

Stanford University  
A Multi-Center Randomized Controlled Trial  
of Perioperative Palliative Care Surrounding  
Cancer Surgery for Patients and Their  
Family Members \$181,544

### Rohini McKee

American Society of Colon & Rectal  
Surgeons  
Brandeis Leadership Health Policy  
Scholarship \$2,800

### Jasmeet Paul

ACell  
ACell Educational Grant \$6,000

### John Russell

Presbyterian Medical Services  
On-Call Surgical Services \$34,560

Presbyterian Medical Services  
On-Call Surgical Services \$13,560

### Joaquin Tosi

Genentech, Inc.  
Protocol GR40549 PORTAL \$3,072,798

Genentech, Inc.  
Protocol GR40548 ARCHWAY \$2,173,971

## HEALTH SCIENCES LIBRARY & INFORMATICS CENTER

### Patricia Bradley

University of North Texas Health Sciences  
Center  
Growing STEM: A New Mexico  
Journey \$10,000

### Stuart Nelson

iNational Library of Medicine  
Feasibility of a Therapeutic Intent  
Ontology \$170,438

## OFFICE FOR DIVERSITY, EQUITY & INCLUSION

### Valerie Romero-Leggott

Science Education Solutions  
Teen Science Cafe Network Small  
Grant \$3,000

## UNM HOSPITAL

### Wendy Hine

New Mexico Department of Health  
Provide Case Manager and Junior  
Accountant Services \$85,000

### Rodney McNease

Bernalillo County  
Provide Housing to Homeless in Criminal  
Justice System \$498,726

Bernalillo County  
Provide Housing to Homeless in Criminal  
Justice System \$138,411

Albuquerque Public Schools  
Behavioral Health Assessment &  
Treatment for Students \$10,000

### Robert Perry

New Mexico Department of Health  
Mass Fatality Planning \$58,822

New Mexico Department of Health  
Provide Services for Hospital  
Preparedness \$49,954

### Suzanne Popejoy

New Mexico Children, Youth & Families  
Department  
UNM Hospitals Young Children Health  
Center \$618,500

City of Albuquerque  
Scope of Services-Gang Prevention \$239,378

City of Albuquerque  
Early Intervention for Children  
Services \$141,503

### Jody Stonehocker

New Mexico Department of Health  
Provide Prenatal and Postpartum Clinical,  
Health Education \$180,000

### Jennifer Vosburgh

Rico Aviation  
Helipad Use Agreement \$10,000

## UNM MEDICAL GROUP, INC.

### David Rakel

Bernalillo County Juvenile Detention Center  
Professional Services \$136,973





## How to Donate to UNM Health Sciences Center Research

*Join Us on Our Journey of Discovery*

Our research programs are focused on critical health problems affecting New Mexicans and bridging the gap to more rapidly deliver discoveries to the clinical setting. Often, the benefits of our innovations and discoveries are recognized and shared beyond our state borders to institutions in other states and in countries around the world.

Your contributions will help us meet new challenges and seek solutions to help people lead longer and healthier lives. Donations are accepted through the UNM Foundation, the university-based nonprofit that can accommodate almost any giving interest. Options include support of health research in general, work in a particular disease category, one of our signature programs for scholarships or facilities, or a legacy gift customized to fit the wishes of you as an individual, your family or your company.

For more information on how you can contribute to the UNM Health Sciences Center's discoveries and innovations of the future, contact Bill Uher, Vice President of Development, UNM Foundation, at [bill.uher@unmfund.org](mailto:bill.uher@unmfund.org) or 505-277-4078.

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### **About the Foundation**

The University's Board of Regents established the UNM Foundation in 1979 as a nonprofit corporation. Ten years later, the Regents delegated the responsibility of overseeing University of New Mexico assets and investments to the UNM Foundation Investment Committee. These assets total more than \$400 million today.

In 2008, the Foundation became a stand-alone organization with expanded fiduciary duties to include fiscal, human resources and treasury functions. All private gifts to the Health Sciences Center are received through the UNM Foundation, which manages contributions to all university programs. The Foundation's funding model ensures that 100 percent of gifts are directed to the donor's designated purpose.





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Albuquerque NM 87131-0001

UNM HEALTH SCIENCES CENTER

# Discovery

Research Annual  
Report 2019

UNIVERSITY OF NEW MEXICO HEALTH SCIENCES CENTER

**TURNING RESEARCH INTO CURES**

