University of New Mexico Health Sciences Center Discovery Research Annual Report 2017

Michael Haederle
Barbara Haines
Luke Frank
Keiko Ohnuma
Michele Sequeira

See next page for additional authors

Follow this and additional works at: https://digitalrepository.unm.edu/hsc_research_reports
Authors
Michael Haederle, Barbara Haines, Luke Frank, Keiko Ohnuma, Michele Sequeira, Kara Leasure Shanley, Rebecca Gustaf, Juan Antonio LaBreche, and Sara Mota
UNM Health Sciences Center
Research Annual Report 2017

Managing Editor
Michael Haederle

Design
Barbara Haines

Contributing Editors
Luke Frank
Keiko Ohnuma
Michelle Seguira
Kara Leasure Shanley

Photography
Rebecca Gustaf
Juan Antonio LaBreche
Sara Mota

iStock by Getty Images
Additional photos by Kim Jew

Photography, Albuquerque, N.M.
©2017 University of New Mexico Health Sciences Center Office of Research hsc.unm.edu/research

Published by the HSC Communications and Marketing Department

Special thanks to Stacy Biggie and the Office of Pre-Award for their assistance

Printed and bound by Starline Printing, Albuquerque, N.M.

For information on donating to health research at the University of New Mexico, see inside back cover.

UNM Health Sciences Center
Vision, Mission and Core Values

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.
E
ach year, as we take stock of our institution’s research accomplishments, I find myself marveling at the depth and scope of our scientific enterprise. I am continually impressed by the ingenuity and creativity of our faculty, as well as the extraordinary growth in extramural funding to support their work.

Few academic health centers of our size are fortunate enough to have both a Clinical and Translational Science Award and a cancer center with comprehensive designation from the National Cancer Institute. These serve as the foundation of our ability to conduct cutting-edge research with an eye toward meeting the specific needs of our communities.

This work rests on an ability to create partnerships with communities to build trust and gain input in identifying key research priorities. In our experience, this is key to conducting studies whose outcomes will have a meaningful human impact.

One example is our multifaceted effort to alleviate the scourge of opioid abuse in our communities through research, education and engagement with multiple stakeholders. Although we have much work to do, I’m proud of our contribution to addressing one of our most pressing societal challenges.

Another of our strengths as an academic health center is our long-standing devotion to interdisciplinary research. Bringing together scholars with diverse backgrounds and areas of expertise creates unexpected opportunities to rethink how we identify and address critical research subjects.

The UNM Health Sciences Center has always done this especially well. Research initiatives such as the Brain & Behavioral Health Institute, the Center for Memory & Aging, the TREE Center and many others will continue to bring together scholars with diverse backgrounds and areas of expertise to identify and address critical research subjects.

Bringing together scholars with diverse backgrounds and areas of expertise creates unexpected opportunities.

I’m proud to report that the UNM Health Sciences Center research enterprise has a great deal to celebrate this year.

As you’ll read in these pages, our researchers have made fresh discoveries aimed at alleviating suffering and curing disease. Meanwhile, we are making real progress in building healthy communities by promoting sustainable economic growth.

Our lead story focuses on our amazing record of success in receiving extramural funding—$203 million last year, and $1.5 billion over the past decade—to support our research enterprise. This pattern of year-over-year growth rests on a focused set of strategies we have developed over time to entice more of our current faculty into research and to provide a set of internal structures to maximize their likelihood of success.

I might add that our record of success sets us apart. Nationally, many universities find themselves in the uncomfortable position of “right sizing” their operations due to flat or even declining funding. Not many can claim to be attracting more funding.

You’ll also learn about our innovative research and interventions in Native American communities, community-based oncology studies, new MRI technology to support neuroscience studies and our expanded substance abuse treatment capabilities, courtesy of Project ECHO.

The HSC’s bench-to-bedside-to-community research has tremendous potential to stimulate the growth of a thriving bioscience industry in New Mexico that will help support new jobs. In fact, three to five new businesses are spun off each year from discoveries and inventions by our researchers. (Our state took a big step forward this year by creating a new Bioscience Authority to promote further development of this new industry.)

As always, credit for these achievements must go to our dedicated faculty, staff and students for their commitment, creativity and hard work. It is my great privilege to work with and support such a talented group of people.
College of Nursing faculty are actively engaged in research and scholarship throughout the Health Sciences Center. Over the past year, faculty on the research team published approximately 50 peer-reviewed articles, including reports of original research, integrative or systematic reviews, clinical articles and expert commentary.

Funded research focused on cancer, palliative care and health services in American Indian communities, perinatal distress and depression, use of technology for aging in place, mental health, stress and resilience in military nursing personnel, screening for domestic abuse or sexual exploitation and symptoms of patients receiving hemodialysis.

Several of our faculty have been closely involved with the UNM Clinical & Translational Science Center, and several others have received CTSC pilot awards.

Faculty from the Education and Practice teams have funded grants related to the research and scholarship of teaching, learning, clinical care and health care workforce. They have been assessing the effectiveness of the New Mexico Nursing Education Consortium curriculum and examining strategies to improve recruitment and retention of nurse practitioners and nurse midwives in rural communities.

Clinical projects include examining perinatal and infant dental health in New Mexico and increasing the adoption and practice of the Screening, Brief Intervention, Referral to Treatment tool throughout the health care delivery system to screen for and provide early intervention for substance use disorders.

The College’s research strategic plan emphasizes health policy and public health, women’s and children’s health, symptom science and self-management and rural health and health equity. These align well with priorities articulated by the National Institute of Nursing Research, as well as the Health Sciences Center.

We have also been strengthening collaboration with nursing research efforts at UNM Hospital. Together with the redesign of our website, these areas of emphasis will more effectively tell the story of the strength and diversity of the research and scholarship programs at the College of Nursing.

The College of Pharmacy’s research enterprise has achieved—and sustained—impressive growth over the past five years.

Extramural research funding at the College exceeded $4.5 million in FY 2017, representing an increase of nearly 180 percent over the College’s research funding five years ago. During this time, the College has dramatically ascended in national research rankings.

The College ranks 15th in the nation among 131 colleges of pharmacy in National Institutes of Health research funding in the American Association of Colleges of Pharmacy’s (AACP) most recent research rankings. Additionally, UNM ranks 17th in total extramural funding and 10th for other federal funding on the AACP list.

These outstanding results further cement the College’s distinction as one of the country’s top-tier pharmacy schools.

Researchers at the College continue to pursue and obtain collaborative research awards. This year, a team of environmental health researchers received $4.4 million in phase I NIH funding to initiate the first large-scale assessment of environmental exposures and children’s health in a tribal population.

Additionally, NIH awarded the College a P42 Superfund Center grant to study adverse health effects of environmental metal exposure on the Navajo Nation and Laguna Pueblo, and to develop and implement a community-based participatory research plan. These awards bring the College’s total of federally funded and nationally recognized programmatic center grants to four.

College faculty strive to put their research results into practice to benefit public health. Our researchers hold 33 active U.S. patents and dozens of pending patent applications. Further, a number of College researchers received innovation awards this year in recognition of their inventions to better diagnose and treat cancer patients, stroke sufferers and infectious disease patients.
As the College of Population Health enters its second full year of operation, we are pleased to report two new grant awards.

The Transdisciplinary Research, Equity and Engagement Center for Advancing Behavioral Health (TREE Center) will conduct community-based transdisciplinary team research to study the social determinants of behavioral health, including historical trauma, adverse childhood experiences and the effects of poverty and discrimination, with the aim of improving outcomes in youth suicide, alcohol and drug misuse, depression and access to behavioral health services.

And the Maternal Ethylenetriameneurea Levels, Newborn Thyroid Function and Infant Development grant will study how hazardous work conditions and environmental toxins affect reproductive health and child development in Ecuadorian mothers and their children.

Our ongoing research agenda ranges from community-based participatory research to joint research with UNM Hospital, the Clinical & Translational Science Center, the Cancer Research & Treatment Center and the Brain & Behavioral Health Institute.

We also engage in research partnerships with external entities, such as the New Mexico Department of Health, the U.S. Indian Health Service and the Department of Veterans Affairs. Our research ranges from health promotion all the way through primary, secondary and tertiary prevention.

We are happy to report several additional accomplishments. Undergraduate College enrollment has grown by 100 percent (from 88 students in Fall 2016 to 293 students in Fall 2017). We also completed re-accreditation of our master of public health program, and we increased our total grant and contract dollars by more than $3.6 million in FY 2017-2018.

We look forward to the 2018 launch of Public Health, our open access academic journal, welcoming our first PhD candidate and beginning a national search for a new dean.

As always, we must ask and answer the right questions through scholarly research while addressing the greatest need by first focusing on the most vulnerable populations.

Research in the HSC and School of Medicine addresses many of the leading causes of morbidity and mortality in New Mexico, including cancer, respiratory diseases, cardiovascular diseases, neurological disorders and mental illness. Additionally, our research is addressing disease prevention and wellness, the reduction of health care inequities and improved health care service delivery.

I am delighted to see the joy of a newly funded researcher or the excitement of a learner being listed as an author on a published paper for the first time. It creates a sense of personal and professional fulfillment, but more importantly a sense of accomplishment for improving the lives of others through their work.

I extend my deep gratitude and appreciation for all of our researchers and their quest for new knowledge that improves the health of those we serve.
Recipe for Success
Combining Ingredients for a Winning Research Strategy

by Michael Haederle

When you think about it, creating a flourishing academic research enterprise is a little like baking a light and fluffy soufflé. Both depend on the expertise of someone who knows how to blend fresh ingredients in exactly the right proportions.

That soufflé of culinary wisdom pertains at the University of New Mexico Health Sciences Center, which on Dr. Richard S. Larson’s watch has seen stellar growth in extramural research funding. Last year, grant awards topped out at a record $203 million—capping a 10-year run in which HSC extramural research funding totaled more than $1.5 billion.

Over the same period, UNM’s investment in key strategic centers also paid off, with successive five-year Clinical and Translational Science Awards from the National Institutes of Health, and a coveted comprehensive designation from the National Cancer Institute for its cancer center.

Larson, the HSC’s executive vice chancellor and vice chancellor for research, has oversee a dramatic revamping of the institution’s bioscience capabilities since 2004, when he was named senior associate dean for research in the School of Medicine.

Back then, he says, “we did not have a robust set of core facilities to support our researchers.” There was also little in the way of faculty and staff training to improve their research capabilities, and there were few mechanisms to facilitate team science or collaboration.

Larson and his team set about assembling the pieces needed to execute an effective strategic plan for research—a process that has paid off handsomely. “We were considerably smaller than Main Campus as a research effort, as measured by extramural grants,” he observes. “Now we’re close to 50 percent larger.”

Grant funding is the lifeblood of biomedical research, but Larson knew that a midsize academic health center like UNM could never compete to attract the vast sums in grant funding that large research institutions regularly receive. “The model to support it had to be one that did not rely on much funding,” he says. “So we built it in that manner.”

At first, the focus was on bolstering faculty research capability, achieving growth without a proportional increase in faculty numbers. The idea was to entice existing faculty members to launch research, while helping those already conducting research to become more successful.

A milestone came in 2010 with UNM’s first Clinical and Translational Science Award (which funded creation of the UNM Clinical & Translational Science Center), Larson says. “The CTSA has played a critical function in our ability to continue to grow and to grow our support structure,” he says. “Without it, we would not have been able to obtain many of the extramural grants that we have, and much of the support structure that currently exists would not exist.”

The award enabled additional pilot funding to seed new research and supported the necessary training and incentives to help faculty members take advantage of new resources outside the National Institutes of Health grant-award pipeline. New non-NIH funding streams, tied to the passage of the American Recovery and Reinvestment Act and the Affordable Care Act, flowed from the Agency for Healthcare Research and Quality, the Health Resources and Services Administration and the Patient-Centered Outcomes Research Institute, as well as the Centers for Disease Control and Prevention, private companies and foundations.
"We were able to very rapidly mobilize to take advantage of that, and we received a disproportionate amount of federal funding because we applied early and often," Larson says. "One of the things we’ve tried to do is stay nimble. We’ve been very successful." Over time, the HSC funding portfolio and the research it supported grew more diverse. Meanwhile, Larson also guided UNM into formal collaborations with Sandia National Laboratories and Los Alamos National Laboratory and helped initiate the Mountain States Research Consortium.

"We received a disproportionate amount of federal funding because we applied early and often." In practical terms, the HSC broadened the scope of its bench-to-bedside research, making use of laboratories, the UNM Hospitals and community-based studies. It has also made a significant economic impact in the community, both through job growth and expansion of New Mexico’s bioscience sector. Three to five new businesses are spun off from HSC-licensed technology each year, on average.

Before coming to UNM in 1996, Larson earned his MD and PhD degrees from Harvard, followed by a pathology residency at Washington University in St. Louis and a fellowship at Vanderbilt. He also helped launch TriCore Reference Laboratories, a collaboration among Albuquerque’s major health systems to run a shared state-of-the-art medical testing service.

"I had experience with a startup," Larson says. "I had experience with a breadth of institutions, and through my own research I had experienced all the challenges that faculty were experiencing in not having a research enterprise and system to support them." In recent years, federal grant-making agencies speeded up the turnaround time for responding to their requests for applications—to less than eight weeks, in some cases, Larson notes. Many faculty members need help in applying for funding on such short timelines. "When we put in a grant, what will you need?" he asks. "You might need help facilitating a team. You will need training in how to write or structure a grant. You may need some grant editing. You need a preaward office that can efficiently process all the internal paperwork and submit the grant." Should a researcher succeed in securing funding, a grants management office will need to track and bill for expenses and charge the government to release the money.

Skill in scanning the funding landscape for opportunities is also critical. "I think because I’ve been in the job a long time it’s a little easier," Larson says. "I’ve developed contacts at enough federal agencies to know quite often a trend that’s coming in various programs. Then, it’s a matter of preparing faculty to respond quickly."

HSC researchers voice their appreciation for the focused support their work receives. "The marriage of translational research requires a lot of things—not just people wanting to do science and research, but enabling things that are so difficult, like institutional review boards and administrative tasks," says Vojo Deretic, PhD, professor and chair in the Department of Molecular Genetics and Microbiology. Deretic came to UNM in 2001—two days after 9/11—bringing with him four prestigious RO-1 grants from his previous stints at the University of Michigan and University of Texas Health Science Center at San Antonio.

Within a few years of his arrival, Deretic began his research into autophagy, the "house-cleaning" process by which cells maintain their health by ridding themselves of debris. Now an internationally recognized expert in the field, Deretic has pioneered studies identifying ways in which autophagy could be enlisted to fight disease. Deretic says that over time the HSC has developed a collegial culture that supports serious interdisciplinary research.

"Modern science is so complex, and there are so many technologies and fields that you need to understand," he says. "It’s very hard to be in your cubicle doing one thing that you know how to do well. These kinds of intersections and multi-disciplinary things are more important than ever."

"It feels like people are clearing brush in front of me to help me make my way." The development of the HSC’s research infrastructure has also benefited junior faculty, says Brandy Fink, PhD, an assistant professor in the Department of Psychiatry & Behavioral Sciences and a KL2 scholar in the CTSC. Fink, whose research focuses on addictions treatment and prevention of domestic violence, says that institutional support from the CTSC and its senior investigators has been a boon for her career.

"It feels like people are clearing brush in front of me to help me make my way," Fink says. "It’s freed me up to think creatively and integratively about these problems, and I feel encouraged to do it." Fink, who has developed apps and interactive software to help people gauge and moderate their level of intoxication, has launched a company to bring her ideas to market. Like Deretic, she has been energized by collaborations with interdisciplinary teams that include cognitive neuroscientists, engineers and others. "I love hearing about how these other disciplines think about the same problems and how we can work together to bring something integrative and interdisciplinary to the table," she says.

"It’s been a very stimulating intellectual environment to be in. I really feel like there’s nothing that holds me back. I have all the access to resources that I need—and the encouragement."
UNM CANCER CLINICAL TRIALS BENEFIT ALL NEW MEXICANS

Casting a Wider Net

by Michele Sequeira

Clinical trials of new drugs and treatments represent an important set of choices for people with cancer, while enabling clinical researchers and oncologists to improve the standard of care.

The University of New Mexico Comprehensive Cancer Center has run a state-of-the-art clinical trials program since 2014, when it was awarded a five-year, $7 million grant from the National Cancer Institute’s National Community Oncology Research Program.

The grant supports trials throughout New Mexico via the cancer center’s participation in the New Mexico Cancer Care Alliance, a statewide network of health care institutions and cancer doctors. The grant has enabled the cancer center to vastly expand its reach, providing clinical trial access to hundreds of patients across the state.

“At the end of the day,” says Olivier Rixe, MD, PhD, “clinical trials are for the benefit of patients, because we will be able to tailor the way we treat their cancer.”

Rixe, a professor in the Department of Internal Medicine, serves as the cancer center’s associate director for clinical research. He and Carolyn Muller, MD, professor and chief of the Division of Gynecology Oncology, are principal investigators for the grant.

Clinical trials are necessary to better diagnose, prevent and treat cancer, Rixe says. Each trial focuses on scientifically answering a specific question to help improve the standard of care. Improving the standard of care improves treatment and outcomes for patients with cancer.

New cancer drugs and treatments undergoing testing prior to their approval for use in people are separated into phase 1 through 4 trials. The entire approval process may take a decade or more and can cost hundreds of millions of dollars. Each clinical trial participant must follow a strict set of rules, defined by a protocol, to ensure that the data collected is as complete and accurate as possible. Federal rules help to ensure the safety and ethics of all clinical trials conducted in the U.S.

The New Mexico Cancer Care Alliance was established in 2012 as a joint not-for-profit 501(c)(4) university-community statewide cancer clinical trials and clinical research network. It consists of eight hospitals and health care systems, including the UNM Comprehensive Cancer Center, and more than 100 community-based physicians from across the state.

Through these partnerships, the alliance supports all aspects of clinical research. Physicians throughout the state get trial-specific support, such as nurses and coordinators. They also get help to meet the increased patient-monitoring needs of a clinical trial and to capture data for clinical research.

The New Mexico Tumor Registry and several pathology laboratories work closely with the alliance to manage data and specimens for clinical research. Patients can visit their local community hospitals or practices instead of having to travel to Albuquerque—a three-hour trip or longer for some—to see if a clinical trial is an option.

The grant also supports large-scale trials and studies on cancer care delivery, cancer control and cancer survivorship.

Epidemiologists, like Anita Kinney, PhD, RN, can design and manage cancer population studies. Kinney is the lead investigator for the Cancer Care Delivery Research component, which includes population-based cancer control and survivorship research.

“What we’ve done in New Mexico,” says Teresa Stewart, the executive director of the New Mexico Cancer Care Alliance, “is the model for the rest of the country.”
by Kara Leasure Shanley

On a warm, sunny autumn afternoon, 15 Zuni men and women gather around a table in a nondescript warehouse on the outskirts of the pueblo as a few people set out a healthy buffet lunch that includes homemade chicken lettuce wraps, garlic bread and fresh fruit.

Valallah (Raj) Shah, PhD, is at the front of the room setting up his computer and projector for the presentation he is about to give. He encourages the visitors to move up—chairs are shifted a tiny bit closer and a couple of latecomers shyly sit at the front.

Shah projects a slide with two dots on opposite ends and asks how to connect them. One woman quietly says, "A line across." Shah praises her—mentioning that about 80 percent of Americans answer the same way—but "straight shooters" are not what he is looking for. In life, he tells them, thinking outside of the box is better. He asks for other ideas.

Feeling bolder, a young woman pipes up. "A circle," she says. Shah smiles broadly, causing everyone to giggle. He explains that a circle can represent the four directions of the earth, which means you can bring everyone with you as you connect the dots.

Shah asks for more ideas. A man with a ponytail, a bucket hat and glasses confidently looks up and says, "Combine (both methods) together." This earns the man a fist bump from Shah and laughter from the rest of the audience. "Only 3 percent of Americans are like this," Shah says "and they are like me. They are crazy people."

This garners another laugh from the spectators. "So, what do we do?" he asks. "We want to go from A to B, but we are going to go into every direction and try to learn things and bring people along with us."

The easygoing exchange is part of the attraction in this group session aimed at teaching diabetic or pre-diabetic patients about their condition and how to improve their health. For the past 20 years, Shah, Regents Professor in the Departments of Biochemistry and Molecular Biology and Internal Medicine in the UNM School of Medicine, and his team of community health representatives have held these sessions for patients with diabetes and/or chronic kidney disease in Zuni.

Zunis face about a 20-fold chance of developing end-stage renal disease, 4.4 times higher than Americans of European or African descent and 5.6 times higher than other Native Americans. This stems from both genetics and other lifestyle factors that affect the majority of Zuni patients—such as diabetes and high blood pressure—and will eventually cause kidney failure significantly faster than other populations.

Shah's connection to Zuni began early in 1995, when a Zuni governor admitted to UNM Hospital for kidney failure explained that many of his people had the same diagnosis and were on dialysis. Though Shah had been an experienced geneticist, his mentor of more than 20 years, Philip Zager, MD, saw an opportunity to expand their research into the genetics behind kidney disease in Zuni.

Zager and his team launched the Zuni Kidney Project, a joint venture with Zuni leadership, the UNM Health Sciences Center and the Indian Health Service.

"I still call myself a basic genetics person doing nothing but population-based science," Shah says. He started out performing genetics studies with the Zuni people to understand the high disease prevalence, but Shah now uses disruptive innovation to prevent it.

Shah reminds his patients of how many resources are now open to cellular phone users with just a push of a button. He thinks of home-based kidney care as a disruptive innovation—like OnStar for health care.

Home-based kidney care includes five distinct features. The first two are the community health representatives themselves—Zuni residents Donica Ghabate and Jeannette Bobelu, who visit a patient at home three times a week every other week—and point of care.

CHRs are trained to provide point of care using portable medical instruments, Shah says. They can take a pricking of blood from a patient and deliver all the biochemical test results immediately to the patient. "So, when they started going to their homes," he says, "each patient now felt that they had their own private doctor."

The third innovation is patient preference: patients can discuss their treatment with the CHR once they understand their test results.

"The idea is to make the patient part of the care team," Shah explains. This model also allows patients to communicate directly with the CHRs or Shah, day or night, and makes use of motivational text messaging.

Shah's group sessions represent another cog in the wheel: patient activation. He tells them, "I am informing you, I am engaging you, empowering you, possibly I'm partnering with you. Because unless I partner with you, I cannot see any changes in you."

These interventions have produced impressive results: 50 percent of patients improve their patient activation scores and see significant declines in body mass index and disease markers like glycated hemoglobin (A1C) levels.

Shah points out that improved patient activation has been shown to drastically reduce readmission to the hospital and hopes this will motivate patients to take charge of their health and that of their children.

He tells of a young Zuni girl he met during a screening and outreach session. When he asked whether she wanted a candy treat or pen and paper, the girl told him she wanted pen and paper. Asked why, she said her mother taught her that if she ate too much sugar she would end up with diabetes like her grandmother.

A woman in her mid-30s with long, elegant hair, agreed with Shah. "For me, since my daughter is still young," she says, "I can get her to eat healthier foods, be more active and look toward the future, as far as her health and activity levels."

Most of the participants agree that they now know how to prevent their disease from getting worse through a healthier diet and exercise. The intervention has also given them a more positive outlook on life.

"Whatever triggers the contributing factors due to diabetes, it's scary," says a middle-aged man with cropped hair, a goatee and glasses. "And then to be educated, to learn more—you know, we're grateful that you come to our village."

Shah says CHRs Ghabate and Bobelu get the credit for educating and helping the Zuni patients develop a healthier environment for their community. He derives satisfaction from the small ways in which he can help.

"When I see those 15 people sitting there looking at me that have diabetes or kidney disease, and say, 'I'm going to help them,' that kind of helps me, more than anything else," he says.

Shah hopes to take his disruptive innovation further by training new CHRs in four other Native American communities around the state in home-based kidney care. "You can take it from there to any other community," he says.

Just as he advises Zuni patients to be active in their communities' health, Shah has become an advocate for community engagement with significant societal issues. "You don't just sit around and think, 'Oh, our cost is high and I cannot contribute to our society,'" he says. "No, you can, that's my motto."
Magnetic Appeal

by Luke Frank

A perpetual challenge in medical imaging lies in finding ways to shine a brighter light faster to see smaller biological processes. UNM’s Brain & Behavioral Health Institute (BBHI) this year significantly powered up its neuroimaging core with a new 7 Tesla (7T) research magnet, thanks to a one-time, $8.8 million high-end instrumentation grant from the National Institutes of Health.

This powerful magnet enables scientists to track proteins and other molecules involved in brain function and to study the physiological and chemical building blocks in the brain. The increased magnetic resonance imaging (MRI) capabilities, alongside BBHI’s in-house electron paramagnetic resonance and optical neuroimaging technologies, create a neurological research facility like no other in the Southwest.

“Put simply, the 7T maximizes the signal while minimizing the noise,” says BBHI Director Bill Shuttleworth, PhD, Regents’ Professor in the UNM Department of Neurosciences. “The images we’re getting now are pretty amazing.”

Principal Investigator Reed Selwyn, PhD, who wrote the grant and directs the 7T operation, sees enormous potential in the new magnet. “We now can look much closer at preclinical possibilities that can lead to better medicine in the clinic,” he says. “This 7T can help advance that connection. It’s exciting.”

Selwyn, an associate professor in the UNM Department of Radiology, envisions progress in the detection and treatment of mild concussions. “It’s difficult to know what damage has been done to the brain in a mild concussion that might present later,” he explains. “Using the 7T MRI, we might find damage earlier and predict—or prevent—future behavior.”

The 7T uses a strong magnetic field and radio waves to create three-dimensional images. This new small-bore magnet is suited for imaging isolated organs and tissue, rather than full-body scans. Researchers use these tight images to observe and measure subtle changes in the size, function and metabolism of specific brain structures associated with disease.

The institute’s unique assembly of imaging instrumentation enables researchers to observe with new depth and clarity how the brain functions in real time at the molecular level, without having to penetrate the skull. Selwyn and Shuttleworth also share a much larger vision for the 7T. Because the new magnet is sized to show metabolic processes, it’s also valuable in cancer and other cutting-edge biomedical research.

“We welcome all comers to the new 7T,” Selwyn says. “University researchers within and outside of UNM, as well as stalwart discovery enterprises like Sandia and Los Alamos national labs, are all prospects. Our is the only 7T in the region. We have a real opportunity to connect people and science.”

“This is an incredibly valuable resource for New Mexico,” Shuttleworth adds. “It really opens up a door for UNM’s research programs, but also for medical researchers and trainees across the region. We can use our new capabilities to study any number of diseases and track the effects of medical interventions over time.”

Integrated Research Yields Rich Results

by Michele Sequeira

We start with the population,” says Johnnye Lewis, PhD, explaining her team’s unique approach to assessing environmental impacts to health.

“Then we drill down to animal studies and cell studies. And we try to replicate what we see in the population to understand cause-effect relationships and mechanisms so that we can look for interventions that can help to reverse the effects we see.”

It’s a model she’s been honing since 1996. Back then, she worked in the private sector, cleaning up groundwater contaminated by uranium mills on Navajo lands. That led her to communities that were asking a provocative question: What is the impact of uranium mines on the long-term health of the people who live near them?

Now a professor in the UNM College of Pharmacy, Lewis’ work in Navajo country recently culminated in a National Institutes of Health grant to conduct part of its Environmental Influences on Child Health Outcomes (ECHO) initiative. Lewis has built a multidisciplinary scientific team at UNM and has formed extensive partnerships on the Navajo Nation. She already serves as principal investigator of the Navajo Birth Cohort Study. The new award will enable her to study an expanded array of risk factors and outcomes in 55,000 children from a broad range of sociodemographic, racial and ethnic backgrounds.

Obtaining complete biological data in the rural vastness of the Navajo Nation presents unique challenges, however, so the team tapped into the cultural knowledge of Navajo partners like Getaarah Anderson.

“My passion is helping and getting the awareness of these heavy metals, mainly uranium, to the Navajo Nation,” Anderson says. “My grandfather was a uranium mine worker. We, as a family, had no history, no knowledge of health effects of uranium.”

As a team member, Anderson helps to collect data and samples from the participants, conduct assessments and teach study participants about why it is important. Armed with this knowledge, the women are more likely to keep in touch with the researchers. “We want these babies to live a healthy life,” she says.

Lewis’ team includes Matt Campen, PhD, a professor in the UNM College of Pharmacy who studies the wind-blown material from mine waste piles. Research has shown that although the concentration of toxic material in waste piles is low, small particles can easily become airborne or suspended in streams.

The team also won an award from the National Institute of Environmental Health Sciences for the Metals Exposure and Toxicity Assessment on Tribal Lands in the Southwest Center, which studies whether toxic metals move differently through acidic soils and the cellular effects of heavy metals—and possibly how to reverse those effects.

“When you do epidemiologic studies, often you show just a relationship and you can’t really do a cause-effect determination from that,” Lewis says. Her large integrated research team is pioneering a new approach to community research that looks at many aspects of an environmental health question simultaneously.

“We look at DNA damage. We look at immune system function. We look at autoimmunity,” she says, “so we don’t end up with as many uncertainties in the end.”

JOHNNYE LEWIS: ENVIRONMENTAL RISK FOR NAVAJO CHILDREN
Training Grants 2017

Camden Bair, PhD Candidate
T32 Scholar, NIH
Evolution of function of the human adenovirus type 3 early region 3 CR proteins
Mentor: Adriana Kagon, PhD

Dawn A. Delfin, PhD
K12 Scholar, NIH
Defining interactions between cardiac stem cells and the pathologically remodeled extracellular matrix of failing hearts. Investigating the role of a protein, ABEP3, in promoting stem cell adhesion to the heart's extracellular matrix, and enhancing differentiation of stem cells into mature cardiomyocytes.
Mentors: Matthew Campen, PhD, Carlos Roldan, MD

Roger B. Brown, PhD
T32 Scholar, NIH
Identifying effector pathways that control RNA splicing and isoform expression in differentiating hematopoietic progenitor stem cells
Mentor: Scott A. Niss, PhD

Erica Dashner-Titus, PhD
T32 Scholar, NIH
The impact of arsenic and uranium exposure on immune cell function
Mentor: Laurie Hudson, PhD

M. Frank Erasmus, PhD
F31 Scholar, NCI
Validation of the Pre-BCR Signaling Complex in pre-B ALL Cell Model by Two-Color Single-Particle Tracking and Peptidomimetic Inhibitor
Mentor: Bridget Wilson, PhD

Brandi C. Fink, PhD
K12 Scholar, NIH
Integrative approach to identifying morphophysiological mediators of the alcohol and intimate Partner Violence association
Mentors: C. Fernando Valenzuela, MD, PhD, Kathleen Haaland, PhD

Neil Detweiler, PhD
K12 Scholar, NIH
Cardiovascular electrophysiology
Mentor: Nikki L. Jernigan, PhD

Selina Garcia, PhD Candidate
T32 Scholar, NIH
Regulation of endothelial function by acid sensing ion channel 1
Mentor: Nikki L. Jernigan, PhD

Matthew Graus, PhD
photo unavailable
T32 Scholar, NIH
How B-glucan exposure impacts Dectin-1 recruitment and signaling in the context of innate immune recognition
Mentor: Aaron Neumann, PhD

Joseph H. Hoover, PhD
K12 Scholar, NIH
Geospatial science, environmental health, water resources
Mentor: Johnne L. Lewis, PhD

Elani Fourie Wiest, PhD
T32 Scholar, NIH
Investigating the use of a patented device to measure transdermal hydrogen sulfide as an early biomarker of endothelial dysfunction in patients with diabetes
Mentor: Nancy Kanagy, PhD

Johnny A. Kenton, PhD Candidate
T32 Scholar, NIH
Optogenetic modulation of corticostriatal circuit disrupted by prenatal alcohol exposure
Mentors: Jonathan L. Brigan, PhD, C. Fernando Valenzuela, MD, PhD, Lee Anna Cunningham, PhD, Benjamin J. Clark, PhD

Naomi Lee, PhD
K12 Scholar, NIH
Vaccine development and molecular epidemiology of infectious diseases in American Indian and Alaska Native communities
Mentor: Bryce Chackerian, PhD

Lindsey J. Long, PhD
K12 Scholar, NIH
Understanding mechanisms of DNA repair in quiescent cells
Mentor: Mary Ann Osley, PhD

Levi D. Maston, MD, PhD Candidate
F32 Scholar, NIH
Investigating inflammatory mechanisms underlying progression of pulmonary hypertension resulting from long-term exposure to hypoxia
Mentors: Laura Gonzalez Boic, PhD, Thomas Resta, PhD, Judy Cannon, PhD

Perenkita Mendiola, PhD Candidate
T32 Scholar, NIH
Identification of endogenous regulators of cystathionine gamma-lyase (CSE) in endothelial cells
Mentor: Nancy Kanagy, PhD

Daniel A. Lujan, PhD Candidate
F31 Scholar, NCI
Role of the RNA-binding protein in breast cancer
Mentors: Nora Perrone-Rizzozero, PhD, Rebecca Hartley, PhD

Alfreda Nelson, PhD
K12 Scholar, NIH
Mechanisms of antigen-mediated aggregation of TIMM-bearing immune receptors and transduction of early signaling events into eventual immune cell responses
Mentor: Bridget Wilson, PhD

Adrian Luna, PhD Candidate
T32 Scholar, NIH
HPV enocpe regulation during benign infection
Mentors: Michelle Osburn, PhD, Gregory Gan, MD, PhD, Laurie Hudson, PhD, Jennifer Gillette, PhD
Robert Oliver, PhD Candidate
F31 Scholar, NIH
Post-transcriptional regulation of addiction-related genes in an animal model of cocaine seeking
Mentor: Nora Perrone-Bizzozero, PhD

Katelyn Reinhart, PhD Candidate
F32 Scholar, NIH
Basic physiological mechanisms of spreading depolarization that contribute to the progression of brain injuries including stroke
Mentor: C. William Shuttleworth, PhD

Joshua Sheak, MD, PhD Candidate
F31 Scholar, NIH
Investigating a novel intracellular signaling pathway to pulmonary hypertension in infants using an animal model
Mentor: Thomas Resta, PhD, Nancy Kanagy, PhD, Nikki Jernigan, PhD

Dominique Perez, PhD Candidate
T32 Scholar, NIH
Cyclic AMP efflux inhibition as potential therapeutic target for leukemia
Mentors: Alexandre Chigaev, PhD, Larry A. Sklar, PhD

Chelsea Saito-Reis, PhD Candidate
T32 Scholar, NIH
Role of CDB1 in regulating hematopoietic stem cell adhesion and signaling
Mentor: Jennifer Gillette, PhD

Tess Shideler, PhD
K12 Scholar, NIH
Endosomal transport of EGFR
Mentor: Angela Wandinger-Ness, PhD

Sabrina Samudio-Ruiz, PhD
K01 Scholar, NCI
EGFR signaling and epigenetic alterations, particularly DNA methylation, associated with the development of platinum resistance in ovarian cancer
Mentor: Laurie Hudson, PhD

Christina Termini, PhD
F31 Scholar, NIH
Identify the mechanisms and molecules that regulate hematopoietic stem/progenitor cell adhesion to the microenvironment to provide clinical targets to enhance HSC transplantation therapies
Mentor: Jennifer Gillette, PhD

Anita L. Ray, PhD Candidate
photo unavailable
T32 Scholar, NIH
The role of inflammation in development and progression of colorectal cancer
Mentor: Ellen Beswick, PhD

Joshua Sanchez, PhD Candidate
T32 Scholar, NIH
Neuroscience and Fetal Alcohol Spectrum Disorder
Mentor: Erin Milligan, PhD

Laura Weise Cross, PhD
K12 Scholar, NIH
Vascular Biology, Physiology, Pathology
Mentors: Tom Resta, PhD, Terri Koontz

Kayla Zehr, PhD Candidate
T32 Scholar, NIH
Mechanisms by which omega-3 polyunsaturated fatty acids mediate antioxidant effects in the vasculature, thus protecting blood vessels from xenobiotic-induced oxidative stress and dysfunction
Mentor: Mary K. Walker, PhD

Lea Weston, PhD Candidate
T32 Scholar, NIH
Investigating the relationship between neuroinflammation and tau pathology
Mentor: Kiran Bhaskar, PhD

Nesia Zurek, PhD
T32 Scholar, NIH
Molecular Biomimicry and Bioengineering
Mentor: Aaron Neumann, PhD

Christine Woods, PhD
K12 Scholar, NIH
Investigating mechanism by which G protein-coupled estrogen receptors regulate metabolic process in the liver
Mentors: Karen Bentz, Eric Prossnitz, PhD

Katharine Zychowski, PhD
K12 Scholar, NIH
Investigating the mechanism behind uranium and vanadium particulate-driven endothelial dysfunction in the Navajo Nation
Mentor: Matthew Campers, PhD

Sheldwin A. Yazzie, PhD
K12 Scholar, NIH
Environmental Epidemiology
Mentors: Charles Wiggins, PhD, Kevin English, DrPH
The UNM Health Science Center's Ninth Annual Research Day Awards Ceremony was held on November 17, 2017. Five scientists who were nominated by their peers were selected for awards by a faculty committee on the basis of their outstanding research contributions. Award recipients were recognized in five categories.

Kristi Watterberg, MD
Pediatrics Clinical Science Research

For more than 30 years, Kristi Watterberg has made invaluable contributions in the field of perinatal and neonatal clinical care, with a particular focus on inflammation and the development of bronchopulmonary dysplasia (BPD), adrenal function and insufficiency in infants, as well as the use of hydrocortisone to decrease BPD and improve neurodevelopment. Watterberg is considered the world's expert on neonatal-perinatal adrenal function and adrenal insufficiency in preterm infants.

Melian Liu, PhD
Biochemistry and Molecular Biology
Junior Faculty Research

Melian Liu's research focuses on identifying potential treatments for obesity and related diseases. She studies how adipocyte-derived factors (adipokines, chemokines and lipids) mediate communication between adipocytes and adipose-resident innate or innate-like immune cells. An interest of her lab is the development and activation of beige and brown fat—especially beiging of white adipose tissue—using in vivo, ex vivo and in vitro approaches in animal models, and recently in humans.

Akshay Sood, MBBS, MPH
Internal Medicine
Team Science Research

Akshay Sood's research into the epidemiology of chronic lung diseases demonstrates his commitment to team science. He encourages trainee participation in his teams, with many of his mentees serving as first authors on his publications. He has worked with large cohorts in New Mexico and nationally. Through his leadership, the School of Medicine partnered with Miners Colfax Medical Center in Raton, N.M., to create the Southwest Mining Health Center of Excellence.

Robert Rhyne, MD
Family and Community Medicine
Population Science Research

Robert Rhyne's professional and academic career has focused on improving the health and health care of medically underserved, multi-ethnic populations and communities. He has been continually funded with external grant support for the entire 33 years he has been on faculty at UNM. He has brought his experience in epidemiology and community medicine to bear on specific areas of practice-based research, health disparities, community engagement, evidence-based medicine and preventive medicine.

Angela Wandinger-Ness, PhD
Basic Science Research

Angela Wandinger-Ness leads an extremely productive research team studying GTPase-targeted small molecules and their potentials for developing novel cancer therapy. She also holds seven patents relating to new treatments for polycystic kidney disease and ovarian cancer. Her in-depth mechanistic research leading to these patents will likely contribute to new treatment options for these two devastating diseases. She has more than 75 peer-reviewed publications, most of which are in high-impact journals.
Office of the Chancellor

Loretta Doyle
Albuquerque Area Indian Health Service
Provide Locum Tenens Services to
Albuquerque Area Indian Health Service Clinics or Hospitals $175,000
Gila Regional Medical Center
Professional Services $25,000
Ramah Navajo School Board, Inc.,
da Pine Hill Health Center
Professional Services $25,000
Cahontico Band of Navajos
Health Center
Locum Tenens Services $25,000
Christus St. Vincent Regional
Medical Center
Professional Services $25,000
UNM Sandoval Regional
Medical Center
Professional Services for
UNM SMAC $25,000
Rio Grande Counseling and
Guidance Services
Professional Services $25,000
Holy Cross of Taos
Professional Services $25,000
ViewPoint Rehabilitation Center
Professional Services $25,000
Christus St. Vincent Regional
Medical Center
Professional Services $25,000
Cibola General Hospital
Professional Services $25,000
Sheila Hickey
Health Resources and Services
Administration
Scholarship for Disadvantaged Students $617,837
Pathology $555,536
Health Resources and Services
Administration
Scholarship for Disadvantaged Students $94,464
Steven McLaughlin
DCI Donor Services
Medical Director Services $19,777
Mark Unruh
Veteran's Affairs Medical Center
Interventional Cardiology Services
at NMVAHCS $832,498

Office of the Executive Vice Chancellor

Ryan Cangioloisi
U.S. Department of Justice
HOPE Initiative Strategic Plan $25,000
Richard Larson
UNM Foundation
Private Gifts for Research $756,708
UNM Foundation
Private Gifts for Research $299,980
UNM Foundation
Private Gifts for Research $220,420

Reed Selwyn
National Institutes of Health
Purchase of a High-Gradient
Strength 7T 30 cm Bore Magnetic
Resonance $1,785,000

Center for Infectious Disease
& Immunology

Michelle Ozburn
National Institute of Allergy
and Infectious Diseases
Biology of Infectious Disease and
Inflammation $279,487
Terry Wu
National Institute of Allergy
and Infectious Diseases
Task A110 $775,338
Defense Threat Reduction Agency
Evaluation of Novel Subunit Tuberculosis
Vaccines in Rats & Non-human Primate
Aerosol Infection Models $600,454
Defense Threat Reduction Agency
Evaluation of Novel Subunit Tuberculosis
Vaccines in Rats & Non-human Primate
Aerosol Infection Models—
Specific Supplement $330,100
Sandia National Laboratories
NovoCRRP Grand Challenge $105,247

Gary Rosenberg
Acadia Pharmaceuticals
Pimavanserin for Treatment of Agitation
and Aggression in Alzheimer's Disease $122,282
National Center for Research Resources
MRI and CSF Biomarkers of
White Matter Injury in VCDI $1,065,299

Univ of Southern California
Long-Term Nicotine Treatment of
Mild Cognitive Impairment $333,300
National Institute of Neurological
Disorders and Stroke
White Matter Hypoxia in Novel
Model of MMP-Mediated
Inflammation SHK-5P $331,406
University of Southern California
Phase 2/3: Therapeutic Effects of
Intranasally-Administered Insulin
in Adults with mild Alzheimer's
Disease $241,460
Acadia Pharmaceuticals
Extension Study of Pimavanserin
for the Treatment of Agitation and
Aggression in Subjects with
Alzheimer's Disease $322,402
Martinez, Hart, Thompson & Sanchez
Consultation $300
Bill Shuttleworth
Variant CTSC North Care Services—FY17 ($25,000)
EPR, MRI & Optical

Gloria Dixon
University of Colorado—Denver CD-APEX Collaborative Advanced Psychiatric Education Exchange $192,674

Denai Forrest
Veteran’s Health Administration VA Nursing Academic Partnerships $246,344
Veteran’s Health Administration VA Nursing Academic Partnerships $204,703
New Mexico VA Health Care System VA Nursing Academic Partnerships $55,250

Janice Martin
El Pueblo Health Service El Pueblo Health Services $113,435
UNM Hospital CIN & UWMM (Hartfield & De Rejo) $73,747
First Nations Community Healthsource, Inc. $1,500
New Mexico VA Health Care System VA Nursing Academic Partnerships $63,074
El Centro Family Health El Centro Family Health Contract $59,721
Mountain Spirit Integrated Medicine Mountain Spirit—Hedi Rogers $59,720
UNM Hospital Ambulatory Care Providers (Hisp-Erite) $32,076
Presbyterian Healthcare Services Certified NP Services $31,363

Carolyn Montoya
Bureau of Health Workforce UNM College of Nursing ANEW Project $509,306
Health Services and Services Administration
ACA—Nurse Faculty Loan Program $111,576
Bureau of Health Resources Development Nurse Faculty Loan Program $103,437

Nancy Ridenour
City of Albuquerque Genetic Education and Health Maintenance Clinic $25,823

Lee Anna Vargas
New Mexico Board of Nursing University of New Mexico and Le Sueur Nursing Exchange $2,255

National Council of State Boards of Nursing Are There Outcome Differences Between NMNEC ADN, BSN and ADN/BSN Co-Enrolled Students? $192,481
New Mexico Board of Nursing New Mexico Nursing Education Statewide Planning $74,144
New Mexico Board of Nursing BSN Practicum Scholarships on the Navajo Reservation $14,400

Ludmila Bakhireva
National Institute on Alcohol Abuse and Alcoholism Early Indices of Atypical Neurodevelopment Associated with Fetal Alcohol Exposure $619,531
University of California, San Diego Organization of Teratologic Information Specialists Research Network $24,000

Barry Bleske
University of Michigan Genetic Determinants of ACEI Prodrug Activation $25,823

Scott Burchard
Columbia University Arsenic Exposure, Impaired Respiratory Function and Immunosuppression $212,499

Matthew Campen
National Institutes of Health Enhancement of Coronary Constriction by Volatile Organic Air Toxins $703,049
National Institutes of Health Contamination of Inhaled Micro Wast Dusts as a Route for Systemic Metal Toxicity $521,024
Centers for Disease Control and Prevention Systemic Health Implications of Occupational Nanomaterial Exposure $482,164
University of Washington Cardiovascular Consequences of Immune Modification by Traffic-Related Emissions (as a Subproject of the University of Washington Clear Air Research Center) $30,000

Indiana University Chronic Particulate Matter Exposure, Inflammation and Atherosclerosis in At-Risk Children $26,305

Joe Anderson
New Mexico Department of Health Health Systems Data Management and Use of Team-Based Health Care $40,000
New Mexico Pharmacist Association NMIPHA Continuing Education Course “Physical Assessment for the Pharmacist Clinician” $4,433

Linda Felton
Biomedical Research Institute of New Mexico Formulation Development Services $150,000
U.S. Department of Veterans Affairs Formulation and Batch Records for the VA Medical Center in Albuquerque, New Mexico $95,482

Larry Georgopoulos
First Choice Community Healthcare Pharmacist Consultant Agreement $280,000
First Nations Community Healthsource, Inc. $30,000

Gallup Cardiology Radio pharmaceuticals and Drugs $25,000

Donald Godwin
Health Resources and Services Administration Health Professional Student Loan $17,047

Pamela Hall
National Institutes of Health Sex-Dependent Phagocyte Cleavage of Staphylococcus Aureus $224,675
National Institutes of Health Inducing Immune Control of Bacterial Virulence Regulation $224,452

Laurie Hudson
National Institutes of Health Zinc Cremophor® Arsenic Co-Carcinogenesis $314,363

Bernadette Jakeman
National Institute of Drug Abuse Foundation Improving Access Project: Tuberculosis Testing and Latent Tuberculosis Infection Treatment in Community Pharmacies $70,905

Exzer Erdei
Black Hills Center for American Indian Health NARCHE 7: Complex Metal Exposure and Immune Status on the Cheyenne River $109,360
Boston University Prevalence and Risk Factors for Chronic Kidney Disease of Non-Traditional Etiology $7,033
Montaser Shafeen
New Mexico Cancer Care Alliance
Clinical Trial Phase 2b
$124,225

Larry Sklar
Leidos, Inc.
NCl Experimental Therapeutics—LDHA Project
$57,947

Leidos, Inc.
NCl Experimental Therapeutics Chemical Biology Consortium—Specific Supplement
$219,000

Leidos, Inc.
NCl Experimental Therapeutics Chemical Biology Consortium—Supplement
$99,999

Leidos, Inc.
NCl Experimental Therapeutics Chemical Biology Consortium—Supplement
$190,036

Leidos, Inc.
NCl Experimental Therapeutics Chemical Biology Consortium—Supplement
$1,912

Alan Tomkinson
National Institute of Environmental Health Sciences
Health Sciences of LiCa and XRC1 Genes in Genome Stability
$207,800

National Institute of General Medical Sciences
Rules of DNA Ligase 1 in Mammalian DNA Metabolism
$207,866

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

Cesette Wheeler
National Cancer Institute
Seer (Surveillance, Epidemiology and End Results) Program—Specific Supplement
$399,756

Charles Wiggins
National Cancer Institute
Seer (Surveillance, Epidemiology and End Results) Program
$3,024,859

National Cancer Institute
Seer (Surveillance, Epidemiology and End Results) Program
$107,576

National Cancer Institute
Population-Based Evaluation of Comorbidity
$55,720

National Cancer Institute
Improving Outpatient Reporting of Cancer Occurrence and Treatment
$50,780

Memorial Medical Center
Memorial Medical Center Abstracting Services BAA
$45,000

National Cancer Institute
Seer POC 2016-01
$39,882

New Mexico Department of Health
NMDOH BCC Surveillance Project 2017
$6,330

Cheryl Willman
National Cancer Institute
University of New Mexico Cancer Center Support Grant
$2,242,152

Children’s Hospital of Philadelphia
Clinical Trial Agreement
$94,256

National Cancer Institute
Cancer Health Disparities Regional Training Network
$246,024

New York University
Project 4: Targeted Nontherapeutics for Acute Lymphoblastic Leukemia Therapy
$21,307

National Cancer Institute
Cancer in El Salvador: Matching Needs with Sustainable Solutions
$163,814

Children’s Hospital of Philadelphia
Testing Targeted Therapy in Philadelphia Chromosome-like (Ph-like) ALL
$123,716

National Cancer Institute
Administrative Supplements to Strengthen NCI-Supported Community Outreach Capacity Through Community Health Educators of the National Outreach Network
$123,494

National Cancer Institute
CURE Program—P30
$113,625

Cowboys for Cancer Research
Cowboys for Cancer Research
$81,815

St. Jude Children’s Research Hospital
Center for Precision Medicine in Leukemia
$57,594

Children’s Hospital of Philadelphia
Use of Unbiased Transcriptomic Sequencing for Rapid Identification of Clinically Targetable Mutations in Ph-like ALL in the Context of COG Clinical Trials
$45,600

Gabrielle’s Angel Foundation
Define Mutational Signatures from Whole Genome Sequences of Children with Acute Lymphoblastic Leukemia
$40,000

Albuquerque Area Indian Health Service
Outpatient Professional Oncology Diagnostic and Therapeutic Services
$25,000

Gabrielle’s Angel Foundation
Define Mutational Signatures from Whole Genome Sequences of Children with Acute Lymphoblastic Leukemia
$20,000

National Cancer Institute
UNM Cancer Center Support Grant
$3,859

Bridge Wilson
National Institute of General Medical Sciences
Center for the Spatialtemporal Modeling of Cell Signaling
$2,469,111

National Institute of General Medical Sciences
Center for the Spatialtemporal Modeling of Cell Signaling
$503,356

Anesthesiology
Eugene Koskin
Boston Scientific Corporation
UNM Pain Medicine fellowship
$15,000

Boston Scientific Corporation
UNM Pain Medicine fellowship
$15,000

Medtronic
UNM Pain Medicine fellowship
$15,000

Biochemistry & Molecular Biology
Natalie Adolphi
National Institute of Justice
Evaluation of the Routine Use of CT Scanning to Supplement or Supplement Autopsy in a High-Volume Medical Examiner’s Office
$679,325

Sandia National Laboratories
Optimization of Hydrogel-Like Matrices for Stabilization of Substances for Environmental Remediation and Therapeutics
$200,000

Sandia National Laboratories
Optimization of Hydrogel-Like Matrices for Stabilization of Substances for Environmental Remediation and Therapeutics
$50,000

Sandia National Laboratories
Development of Protocols for Applications in Chemical Defense
$40,000

University of Louisville
Biomechanical Investigation of the Effect of Bone Disorders on Pediatric Femur Fracture Potential
$4,748

Medison Liu
American Diabetes Association
Apolipoprotein Regulation of ILC2 and Thermogenesis
$345,000

Vallabh Shah
Patient-Centered Outcomes Research Institute
Home-Based Chronic Kidney Disease Care in Native Americans of New Mexico—A Disruptive Innovation
$2,053,630

Cell Biology & Physiology
Oscar Bizzozero
National Multi-Purpose Social Security Identification of mRNAs that Downregulate MeVIIR Signaling in EAE
$44,000

Helen Hathaway
Imaging Biosystems
Detection of Cancer Using Magnetic Nanoparticles and Magnetic Resonance
$308,900

University of Texas, El Paso
Building SCHOLARS—Continuation
$44,240

Rebecca Hartley
American Association of Anatomists
Cold-Inducible RNA Binding Protein in Breast Cancer
$25,000

Nikki Jernigan
National Institutes of Health
Vascular Smooth Muscle Function in Pulmonary Hypertension—Continuation
$377,500

Stephen Jett
Sandia National Laboratories
Transmission Electron Microscopy Analysis of Graft-Genotype Basis of Vascular Membranes
$3,030

Nancy Kanagy
National Heart, Lung, and Blood Institute
Hyperoxic Regulation of Vascular Tone and Blood Pressure—Continuation
$378,750

Dental Medicine
Gary W. Cutrell
New Mexico Higher Education Department
Train Denists to Treat Peds
$750,000

Office of Rural Health Policy
Special Needs Dental Residency Training Program—Continuation
$374,420

Charles Tatlock
New Mexico Department of Health
Basic Oral Health Services
$102,335

Exhalix, LLC
Noninvasive Transdermal Gasotransmitter Sensor for Chronic Disease Monitoring
$73,950

Nora Perrone-Bizzozero
National Cancer Institute
Cold-Inducible RNA Binding Protein in Inflammation and Breast Cancer
$34,606

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

National Institutes of Health
Vascular Smooth Muscle Signaling in Intermittent Hypoxia-Induced Pulmonary Hypertension—Continuation
$29,287

National Heart, Lung, and Blood Institute
Role of PKC β1 and Oxidant Signaling in Neonatal Pneumothorax—Continuation
$16,314

Center for Telehealth
Deborah Padilla
Rehoboth McKinley Christian Health Care Services
UWM Audiology
$25,000

Rehoboth McKinley Christian Health Care Services
Professional Services
$25,000

U.S. HEALTH SCIENCES CENTER CONTRACTS AND GRANTS 2017
Dermatology

Aimee Smidt
American Medical Group, Inc
Tele-Dermatology Services
$15,000

ECHO Institute

Sanjeev Arora
Bristol-Myers Squibb Foundation
Reducing Disparities in the Prevention and Care of Cancer Through the ECHO Model
$10,000,000

Merck Company Foundation
Southwest Asia Health System Transformation Expansion Grant
$7,000,000

GE Foundation
Leveraging the ECHO Model to Improve Quality in FQHCs and Transform the US Health Care System
$5,000,000

Health Resources and Services Administration
Expanding Substance Abuse Services Through the ECHO Model
$2,455,305

Defense Health Agency
Telemonitoring Services Defense Health Agency
$763,565

HealthRight New Mexico
ACA—Overcoming Harm ECHO Healthright/with BAA
$490,000

New Mexico Department of Health
Hepatitis and HIV Clinical Consultant Project
$719,772

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

The Nicholson Foundation
Technical Assistance for Autism and HIV
$150,000

American Institutes for Research
AIR Medication-Assisted Treatment
$146,118

Albuquerque Area Indian Health Board, Inc.
Leveraging Project ECHO for a Comprehensive Approach to Health and Wellness in Indian Country—Continuation
$94,500

American Academy of Pediatrics
Strategic Approaches to Improving Access to Quality Health Care for Children
$89,000

University of North Carolina Medical School at Chapel Hill
UNC Medication—Assisted Treatment
$69,449

The Nicholson Foundation
ECHO: Health Replication: Technical Assistance Provided to CMSRU and CUMH
$55,000

New Mexico Department of Health
US Border Health—ECHO MDR TB Project
$55,000

Elisabeth Glaser Pediatric AIDS Foundation
ECHO in Cameroon and Côte d’Ivoire
$44,401

University de la Republica-Uruguay
ECHO Technical Assistance for Universidad de la Republica—Uruguay
$93,000

Research University Co., LLC
Project ECHO Partnership with USAID
$41,282

American Academy of Pediatrics
ECHO Partnership to Improve Zika Care
$40,000

University of Washington
Nambilo Phase II Continuation with I-TECH
$40,000

Columbia University
ECHO ICAP Launch in Kenya
$33,464

Elizabeth Glaser Pediatric AIDS Foundation
EGF5F Côte d’Ivoire Replication
$21,575

St. James Hospital
ECHO Technical Assistance for St. James Hospital, Ireland
$25,000

University of Washington
Nambilo HIV ECHO Expansion—Continuation
$20,000

American Medical Association
Honararium for AMA ECHO Telk
$3,000

University of Coastal Lake
Medical Director Services
$3,450

National Park Service
Wilderness First Aid
$3,300

Department of the Air Force
Combo Refresher Course
$3,000

National Park Service
Wilderness First Aid Course
$2,750

Motion Picture Set Meds, LLC
EMS Consortium
$2,604

Pueblo of Oñatio Owingeh
Boots EMT Course
$1,142

Nakia Circus Live Touring USA, Inc.
Oversight of Medical Safety
$1,085

Zuni Tribe
National Registry Exam
$150

Department of the Air Force
UNM Educational Service Agreement—Specific Supplement
$698,401

Department of the Air Force
UNM Educational Service Agreement—Continuation
$332,080

Gysum Medical Associates
of New Mexico, PC
Medical Director
$78,120

Bernalillo County Fire Department
Medical Director
$63,053

State of New Mexico
EMS services for TEMS
$54,476

Sanford Medical Directors
Medical Director
$54,000

City of Rio Rancho
Medical Director Services
$37,200

City of Rio Rancho
Medical Director Services
$35,000

Department of the Air Force
UNM Educational Service Agreement
$34,128

Pueblo of Jemez
Medical Director
$18,333

County of Torrance
Medical Director Services
$12,000

County of Torrance
Medical Director Services
$12,000

Carlsbad Caverns National Park
Medical Directorship
$6,000

City of Rio Rancho
Professional Services
$5,000

National Park Service
Medical Directorship
$4,500

Town of Cochiti Lake
Medical Director Services
$3,450

Sandalia National Laboratories
On-Body Transdermal Microencapsulated
Biphasic Diagnostic Device to Measure Biomarker Signatures
$117,327

Laura Banks
New Mexico Transportation Department
Pedestrian Safety Initiative
$270,000

Department of Health
Hospital and Health Systems Preparedness
$107,610

Darren Braude
Department of the Air Force
JDP Therapeutics
$212,750

U.S. Department of Justice
US Attorney Expert Witness Contract
$16,941

Cameron Crandall
JDP Therapeutics
Evaluate the Non-Inferiority Comparing Celisimine Injection 10mg to Diphenhydramine Injection 50mg for the Treatment of Acute Urticaria
$212,750

Steven Mclaughlin
City of Albuquerque
Professional Services—Medical Directorship
$250,000

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

Rebecca Faste
New Mexico Department of Health
New Mexico Child Fatality Review
$10,000

State of New Mexico
Emergency Medical Services and Medical Directorship
$51,885

City of Albuquerque
Professional Services Agreement
$50,000

City of Rio Rancho
Medical Director Services
$37,200

Sandoval County Regional Emergency Communications Center
Medical Director Services
$271,868

Kindred Medical Director Services
$25,000

Valencia Regional Emergency Communication Center
Professional Services
$9,000

Village of Tijeras
Emergency Medical Services
$3,600

Grace (Joo-Hee) Park
The Mind Research Network
The Impact of Diffuse Mild Brain Injury on Clinical Outcomes in Children
$39,838

The Mind Research Network
The Impact of Diffuse Mild Brain Injury on Clinical Outcomes in Children
$32,356

Robert Sapien
University of Arizona
EMSC Pediatric Emergency Care Applied Research Network—Continuation
$216,037

Brandon Warrick
U.S. Department of Justice
Litigation Consultant—United States v. David Richard Howe et al
$25,855

Chelsea White
Pueblo of Laguna Fire Protection Program
Medical Director for the Pueblo of Laguna Fire Protection Program w/ BAA
$80,000

Ramah Navajo School Board, Inc., dba Pine Hill Health Center
Medical Director Services (BAA)
$36,000

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

Antoinette Benton
New Mexico Department of Health
Transdisciplinary Evaluation and Support Clinic—Continuation
$494,268

OphthalHealth New Mexico
Pre-Administration Screening and Resident Review—Non-Specific Supplement
$127,000
Lisa Caciari-Stone  
New Mexico Community Foundation  
Intersectional Analysis  
$27,500

Jennifer Hettema  
HHS/Office of the Secretary  
Prevention of Teen Pregnancy Through Screening and Brief Intervention in Primary Care  
$1,000,000

Arthur Kaufman  
University of Colorado  
MSU—Southwest Health Extension  
Partnership to Enhance Research Dissemination—Evidence  
New Southwest  
$1,000,000

New Mexico Department of Health  
New Mexico Immunization Coalition—Continuation—For Period 1  
$372,837

Health Resources and Services Administration  
New Mexico Community Health Workers  
Paraprofessional Training—Continuation  
$189,052

Sarah Latrob  
New Mexico Department of Health  
NM Emerging Infections Program  
$460,876

New Mexico Department of Health  
NM Emerging Infections Program  
$382,837

Lawrence Leeman  
UNM Medical Group, Inc.  
Convergence to FC/Physicians  
$253,274

PP of the Rocky Mountains  
Professional Services  
$104,538

New Mexico Department of Health  
AMCHP Birth Outcomes  
$45,000

Anonymous Nonprofit Foundation  
MSU—Early Training of Physicians—Continuation—For Period 1  
$40,070

New Mexico Department of Health  
AMCHP Birth Outcomes—Continuation  
$39,487

Orrin Myers  
National Park Service  
Statistical Analyses of Restoration Monitoring Progams in the Jemez Mountains of Northern New Mexico  
$18,000

The George Washington University  
Translating Molecular Diagnostics for Cervical Cancer Prevention into Practice  
$71,127

Janet Page-Reeves  
Research Institute  
ACA-ECM-PCORI: Diabetes Cultural Competence Study  
$2,276,443

Tasey Parker  
Albuquerque Area Indian Health Board, Inc.  
Tribal Solutions—Continuation  
$58,206

Washington State University  
Native-Controlling Hypertension And Risks through Technology  
$54,162

Washington State University  
Native-Controlling Hypertension And Risks through Technology—Continuation  
$53,268

University of Colorado—Denver  
NIDDK-Funded Center for American Indian and Alaska Native Diabetes Translation Research  
$92,936

University of Colorado—Denver  
NIDDK-Funded Center for American Indian and Alaska Native Diabetes Translation Research  
$58,433

Jennifer Phillips  
Bernalillo County Juvenile Detention Center  
Professional Services  
$166,152

David Rakel  
Bernalillo County Juvenile Detention Center  
Professional Service Agreement  
$136,973

First Choice Community Healthcare  
Professional Service Agreement  
$30,160

MediServe, Inc  
Professional Service Agreement  
$25,000

Robert Rhine  
New Mexico Department of Health  
Academic Detailing Project FY17  
$100,000

Helene B Silverblatt  
Health Resources and Services Administration  
New Mexico Area Health Education Centers  
$316,314

National AHEC Organization  
National Training Center HPV State Entity  
$9,500

Andrew Sussman  
Wayne State University  
P30 PRIMM Net Center in Practice-Based Research and Learning  
$18,670

Robert Williams  
Health Resources and Services Administration  
ACA-ECM-PCORI: Diabetes Cultural Competence Study  
$2,276,443

Virginia Commonwealth University  
Implementing Personal Health Records to Promote Evidence-Based Cancer Screening—Continuation  
$124,516

Internal Medicine

Allen Adolph  
AlliedCare  
Clinical Trial Agreement Supplement  
$22,000

Rana Al-Sadi  
Crimm & Crimm Foundation of America  
WAMP-9: Multidetector Epithelial Tissue Junction Barrier and Intestinal Inflammation (Year 3-FY 18)  
$90,000

Christos Argyropoulos  
Arbor Research Collaborative for Health  
Chronic Kidney Disease Outcomes and Practice Patterns Study  
$179,200

Quintiles Laboratories  
A Phase 2, Randomized, Single-Blind, Efficacy and Safety Study of RDX22765 for the Treatment of Hepatic Encephalopathy With an Open-Label Extension  
$2,500

Edgar Boedecker  
U.S. Department of Veterans Affairs  
IPA—Preharvest Setty  
$74,352

Cristian Bologa  
Gvovan's Flavors Corporation  
Gvoovan Research Agreement—Year 9  
$200,000

Steven Bradfute  
Defense Threat Reduction Agency  
Effects of Differential Gliacytarin on Gliosis  
$280,969

Los Alamos National Laboratory  
Immunologic Testing of Flavivirus (Zika Virus) DNA Vaccine Antigens  
$19,980

Mark Burge  
VisionQuest Biomedical  
Quantitative Biomarkers of T1D Peripheral Neuropathy Using Functional Imaging  
$149,829

Marcos Burgos  
New Mexico Department of Health  
Tuberculosis Medical Control. Consultation and Education Services  
$232,100

Ravi Durvasula  
National Institute for Occupational Safety and Health  
An Environmentally Friendly Larvicide for Mosquito Control  
$1,301,000

National Institute of Allergy and Infectious Diseases  
The Panoramic Sand Fly: A Strategy to Control Leishmaniasis  
$190,070

Denice Kesler  
Health Resources and Services Administration  
Radiation Exposure Screening and Education Program in New Mexico—Continuation  
$220,935

Lovelace Respiratory Research Institute  
LROI Occupational Medicine Consulting Services  
$6,000

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

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

Christophe Lambert  
Patient-Centered Outcomes Research Institute  
ACRA—Longitudinal Comparative Effectiveness of Bipolar Disorders Therapies  
$100,000

Warren Laskey  
Duke University  
Care Optimization through Patient and Hospital Engagement Clinical Trial for Heart Failure  
$68,800

Rutgers, The State University of New Jersey  
Myocardial Ischemia and Transfusion—CC  
$42,000

New Mexico Department of Health  
Shore and Stem CEI  
$8,335

Samuel Lee  
inVentiv Clinical, LLC  
Systemic Antifungal Therapy in Adult Subjects with Invasive Mucormycosis or Invasive Aspergillosis Caused by Non-Ingomata Species  
$111,808

inVentiv Clinical, LLC  
Observational Data Registry of Patients Treated with Systemic Mold-Antifungal Therapy  
$21,380

Thomas Ma  
National Institute of Diabetes and Digestive and Kidney Diseases  
Regulation of Intestinal Paracellular Permeability—Continuation  
$418,602

National Institutes of Health  
Regulation of Intestinal Paracellular Permeability  
$649,376
Kimberly Page, continued
Centers for Disease Control and Prevention

Epidemiology, Prevention and Treatment of HCV in Young Adult Persons who Inject Drugs in Non-Urban Western New Mexico (Hepatitis-TIPS) $295,996

National Institute on Drug Abuse
Acute Hepatitis C Infection in Young Injectors—Specific Supplement $99,999

University of California, San Francisco
CIP: Cambodia Integrated HIV and Drug Prevention Implementation Program—Continuation $40,205

Douglas Perkins
Los Alamos National Laboratory
Characterize the Emergence of Antibiotic Resistance and Virulence in the Immunosuppressed Population—Continuation $325,000

John E. Fogarty International Center for Advanced Study in the Health Sciences
Training and Research in Severe Maternal Anemia—Continuation $242,882

Arti Prasad
St. Catherine Healthcare and Rehabilitation Center
Medical Director Services $39,360

The Bell Group, Inc.
Professional Services—UNMMG Center for Life $25,000

The Weil Foundation
2017 Simply Spicy Conference $10,000

Fares Qadan
Albuquerque Area Indian Health Board, Inc.
Indigent Tribal Health Data in the Southwest Region: Trend Management and Analyses $76,766

Hengameh Raisy
University of Utah
Multicenter Validation of Predictive South Biomarkers in CF—Continuation $4,200

David Schade
The George Washington University
GRADE: Glycemia Reduction Approaches for Diabetes: A Comparative Effectiveness Study (Year 5) $362,257

The George Washington University
GRADE: Glycemia Reduction Approaches for Diabetes: A Comparative Effectiveness Study (Supplement) $362,257

National Institute of Diabetes and Digestive and Kidney Diseases
Diabetes Prevention Program—Phase III—Continuation $243,852

Case Western Reserve University
Epidemiology of Diabetes Intervention and Complications—Continuation $127,533

The George Washington University
GRADE: Sub-Study: Emotional Distress in a Comparative Effectiveness Trial of Diabetes Treatments $56,406

National Institute of Diabetes and Digestive and Kidney Diseases
Diabetes Prevention Program—Phase II—Specific Supplement $43,935

Case Western Reserve University
Long-Term Effects of Glycemia on the Complications of Diabetes—Skeletal Health Study $27,642

Mark Unruh
Anonymous Nonprofit Foundation
Medical Direction and QA $171,620

Albuquerque Area Indian Health Service—IHS Specialty Services $190,259

BioPorto Diagnostics
The NGAL Test As an Aid in the Risk Assessment for AKI stage II and III in an Intensive Care Population $110,360

Lovelace Institutes
Occupational and Environmental Health Clinical Services $75,000

University of Washington
ACA-Treatment Options for Depression in Patients Undergoing Hemodialysis—Continuation $72,651

Albuquerque Area Indian Health Service
Nephrology IHS Specialty Services $56,186

Anonymous Nonprofit Foundation
Medical Direction and QA—Travel $5,240

QTC Medical Group
Second Medical Opinion Evaluations $25,000

University Of Pennsylvania Data Coordinating Center for Hemodialysis Pilot Studies Consortium (ACTION) $8,016

Lovelace Institutes
Occupational Medicine Consulting Services $6,000

Honeywell Corporation
Honeywell Aerospool of Albuquerque Professional Occupations Medical Services $2,500

Carolyn Voss
Kindred Hospital
Infection Control Medical Director $25,000

Heather Ward
National Institutes of Health
Targeting Fibrosis in Polycystic Kidney Disease $112,859

National Institutes of Health
Targeting Fibrosis in Polycystic Kidney Disease—Continuation $112,733

Dialysis Clinic, Inc.
Repurposing Relaxin to Inhibit Cystogenesis and Progression of Polycystic Kidney Disease—Continuation $60,000

Elaine Thomas
New Mexico Department of Health
Safely Transmitted Disease Clinical Services w/BA $115,312

Steven (Bruce) Williams
Health Resources and Services Administration
Coordinated Services and Access to Research for Women, Infants, Children and Youth Part D $472,628

Health Resources and Services Administration
Comprehensive HIV Early Intervention Services (Ryan White Part C)—Specific Supplement $454,920

Health Resources and Services Administration
Comprehensive HIV Early Intervention Services (Ryan White Part C)—Continuation $366,433

New Mexico Department of Health
ACA-Insurance Assistance Program for Persons Living with HIV—Continuation $158,250

Bryan Wilson
American Academy on Communication in Healthcare Faculty Facilitator Agreement $28,600

Molecular Genetics & Microbiology

Eleni Bewick
National Institutes of Health
G-CSF Inhibition as a Colorectal Cancer Therapy $346,556

National Institutes of Health
G-CSF Inhibition as a Colorectal Cancer Therapy—Continuation $346,556

University of Texas Medical Branch
Alzheimer’s disease CDR+ Stem Cells in T1/T2/T3 Regulation in Crohn’s Disease—Continuation $270,000

Kiran Bhaskar
National Institute of Neurological Disorders and Stroke
The Role of Inflammation in Inflammation—Continuation $298,265

National Institute of Neurological Disorders and Stroke
Light-Based Regulation of Autophagy Processing to Target Pathological Forms of Tau—Continuation $102,263

National Institute of Neurological Disorders and Stroke
The Role of Inflammation in Inflammation—Non-Specific Supplement $33,141

Judy Cannon
Northern New Mexico Community College
Statistical Analysis of Differential Expression of Gene Sets $6,040

U.S. Department of Veterans Affairs
Immunologically Mediated Pathways in Pathogenesis of Abdominal Aortic Aneurysm $2,500

Bryce Chackerman
National Institutes of Health
A Nanoparticle-Based Vaccine Targeting PCKX $333,545

Massachusetts General Hospital
CD8+ T Cell Stimulation to Selectively Expand VRC01 Lineages from a Fully Humanized Immunoglobulin Repertoire $198,497

Novartis Stanislawski
Understanding and Optimization of Virus Inactivation by scCO2/PA A Sterilization Process $93,317

MedImmune, Inc.
Sponsored Research Agreement with MedImmune $47,500

Vojo Deletic
National Institute of Allergy and Infectious Diseases
Autophagy Against Tuberculosis and HIV $658,214

National Institutes of Health
Autophagy-Based HDT for Tuberculosis $561,389

National Institutes of Health
Pattern Recognition Receptors and Autophagy in Mycobacterial Infections—Continuation $132,923

Biogen Idec
Observation Study Agreement: Phase 4—Supplement and Continuation $87,115

PDD Development
Clinical Trial Agreement—Phase 3 supplement $74,423

Sandia National Laboratories
Research Traumatic Brain Injury $50,000

Teva Pharmaceutical Industries, LTD
Clinical Trial—Phase 4—Supplement (Amendment #13) $33,860

Rio Grande Neuroscience, Inc.
PEM (TheraNeuron) Study $23,289

Sandia National Laboratories
Research Traumatic Brain Injury $14,794

Alkermes AKL8700-A301 $8,800

David S. Peacock
AgiVax, Inc.
UVP Screen and Immunogenicity Studies $276,975

Sandia National Laboratories
Proc/PEM Reagents for Epitope Mapping—Continuation $60,000

Yaemin Yang
National Institute of Allergy and Infectious Diseases
Control of Allergic Airway Inflammation $365,875

American Association of Immunologists
CSI in Stabilization of Regulatory T Cells $23,376

Neurology

Christopher Calder
The Mind Research Network
MRN Administrative Operations—Continuation—for Period I $46,281

Corey Ford
Novartis Pharmaceuticals Corporation
Novartis COMB152202 $475,695

Alkermes, Inc.
Alkermes AKL8700-A301 $315,728

Paxel International
MedDay Pharm study: Effect of MD1003 in Progressive MS $164,988

Paxel International
MedDay Pharm study: Effect of MD1003 in Progressive MS $132,923

Biogen Idec
Observation Study Agreement: Phase 4—Supplement and Continuation $87,115

PDD Development
Clinical Trial Agreement—Phase 3 supplement $74,423

Sandia National Laboratories
Research Traumatic Brain Injury $50,000

Teva Pharmaceutical Industries, LTD
Clinical Trial—Phase 4—Supplement (Amendment #13) $33,860

Rio Grande Neuroscience, Inc.
PEM (TheraNeuron) Study $23,289

Sandia National Laboratories
Research Traumatic Brain Injury $14,794

Alkermes AKL8700-A301 $8,800

UMM Health Sciences Center Contracts and Grants 2017
Vi Yang
electroCore, LLC
Neuroprotective Role of Non-Invasive Vagus Nerve Stimulation on Stroke-Induced Blood-Barrier Damage in Rat Model $25,000

Sarah Yousof
Muscular Dystrophy Association UNM MDA and MDA/ALS Care Centers $86,000

Bill Shuttleworth
National Institute of General Medical Sciences UNM CoBRE P20 C000—Continuation—
Period 1 $2,184,151
National Institute of General Medical Sciences UNM Center for Brain Recovery & Repair—Admin Supp $415,528

Carlos Valenzuela
National Institute on Alcohol Abuse and Alcoholism Alcohol and Developing Neuronal Circuits (MERIT AWARD) $373,750
National Institute on Alcohol Abuse and Alcoholism Alcohol Research Training in Neurosciences—Continuation—For Period 1 $114,257
Baylor College of Medicine Targets of Low-Dose Alcohol During Cellulardriver-Driven Behavior in Mice $8,637

Jason Weick
Clemson University All Track-2 & FEC. The Creation of Next-Generation Tools for Neuroscience $259,213
National Institute of Neurological Disorders and Stroke Light-Based Regulation of Autophagy Processing to Target Pathological Forms of Tau—Continuation $102,262

Denis Bragin
National Institute of Neurological Disorders and Stroke Stroke Treatment by Modulation of Hemodynamics with Sulpyra-Drug-Reducing Molecules—Continuation $189,381

Andrew Carlson
Edge Therapeutics Clinical Trial Agreement—Phase 3—Specific Supplement $152,550
Johns Hopkins University MSTIE at Phase 3 Randomized, Open Label, 500-Subject Clinical Trial of Minimally Invasive Surgery Plus IV-IA in the Treatment of Intracerebral Hemorrhage $129,163
Cerebracope Scalp SD detection $8,560

Muhammad Chohan
Neurisights, LLC Clinical Real-Time Resting State (MRI 341 AS09069-10) $87,259
NX Development Corp $-Ammonoloid Acid (S-ALA) to Enhance Visualisation of Malignant Tumor in Patients with Newly Diagnosed or Recurrent Malignant Glomas $30,500

Jeff Hill
Cylena Pharmaceuticals Evaluation of Therapeutic Peptides in a Rat Multiple Sclerosis Model $43,000

Tamaro Rotbakh
National Institute of Neurological Disorders and Stroke In vivo Inhibition of Specific microRNAs $331,406

Howard Yonas
Centers for Medicare & Medicaid Services ACA, Access to Critical Cerebral Emergency Support Services HCFA2 $4,990,973
Brain Temp, Inc Non-Invasive, Transcranial Brain Radiometric Thermometry Validation $62,232
Obstetrics & Gynecology

Gena Dunivan
Biomedical Research Institute of New Mexico Chronic Abdominopelvic Pain in the Female Veteran Population: A Comprehensive Investigation—Continuation $64,764
Pelvic Clinical Trial Agreement $17,280
Pelvic Clinical Trial Phase 4 $1,000

Eve Espy
Annonymous Nonprofit Foundation Fellowship in Family Planning $351,918
First Choice Community Healthcare Professional Services $82,530
New Mexico Department of Health High-Risk Prenatal Care $82,460
Albuquerque Area Indian Health Service IHS Specialty Services $33,457
Albuquerque Area Indian Health Service IHS Specialty Services $17,420
New Mexico Department of Health Certified Nurse Midwife Contractor Project $12,742

Lisa Hoffer
Society of Family Planning Determinants of Success: Characterizing the Facilitators of Mainstream, Integrated Abortion Provision $63,598

Urice Kennedy Shriner National Institute of Child health and Human Development Innovations in Treatments for Pelvic Floor Disorders: A Southwestern PFDN Site $38,180

Rebecca Rogers
Biomedical Research Institute of New Mexico Chronic Abdominopelvic Pain in the Female Veteran Population: A Comprehensive Investigation $9,655

Rameet Singh
New Mexico Department of Health Tubal Ligation Sterilization Surgical Procedures $67,520

Office of the Medical Investigator
Lauren Dovrsak
Office of the Federal Public Defender Contract Service for Lauren Dovrsak $1,605

Hannah Kastenbaum
New Mexico Public Safety Department 2016 Paul Coverdell Base Toll $14,920
New Mexico Department of Health New Mexico Violent Death Reporting System $5,275

Sarah Lathrop
New Mexico Department of Health Opiol Morality Surveillance $132,516

Kurt Nolte
University of Texas at San Antonio National Trauma Institute Multinstitutional Multidisciplinary Injury mortality investigation in the Civilian Pre-Hospital Environment $499,378

New Mexico Department of Health Vital Records Vital Statistics Cooperative Program $109,668

U.S. Department of Veterans Affairs VA Autopsy Services $28,300
U.S. Department of Veterans Affairs Provide Radiological and Nuclear Medicine Diagnostics and Therapy Services for NWVAMHS $28,300
Loveable Health System Professional Services for CMI $25,000
U.S. Attorney’s Office Witness Agreements $15,000

Ian Paul
New Mexico Public Safety Department 2016 Paul Coverdell Competitive ECHO $5,769

Lori Pope
New Mexico Crime Victims Repetition Commission Grief Intervention for Homicide Survivors $67,069
New Mexico Department of Health New Mexico Sudden Unexpected Infant Death Registry—continuation—For Period 1—Continuation—for Period 2 $23,210

Veena Singh
New Mexico Department of Health Public Health Preparedness and Response for Bio-terrorism—Continuation—For Period 1 $40,000

Orthopaedics & Rehabilitation
Marybeth Barkocy
University of Oklahoma Special Education Research and Innovation to Improve Services and Results $4,250

Dustin Briggs
Orthopedic Research & Education Foundation Constructive Viability After Exposure to Antispecic Solutions and TxA $4,866
Thomas Decoster
U.S. Department of Justice
Expert Witness—Decoster
$21,260

Christina Salas
Aerien Foundation for Surgery of the Hand
Hybrid 3D Bioprinting/
Electrospinning
$20,000

Robert Schencn
Explorer Abilities, Inc.
Professional Services (Orthopedics)
$60,450

Selina Silva
Ann & Robert H. Lurie Children’s Hospital of Chicago
Evaluation of the Needosity of Operative Irrigation and Debridement: Pediatric Randomized Trial of Type One Fractures
$1,400

Gehron Treme
DePuy Orthopaedics, Inc.
DePuy Synthes Orthopaedic Tuition Travel Grant
$10,000

Daniel Wascher
ArtHeer, Inc.
Arthys Sports Medicine Fellowship
$20,000

Smith & Nephew, Inc.
Orthopaedic Sports Medicine Fellowship Grant
$12,000

Smith & Nephew, Inc.
Smith & Nephew Educational Grant
$12,000

Styker Orthopaedics
Styker Travel Grant
$1,852

Margaret Alba
American Society for Clinical Pathology Training Medical Laboratory Students in a Rural Setting
$2,500

Therese Bocklage
Lovelace Respiratory Research Institute
Improving Anticancer Chemotherapy by Sensitizing Necroptosis
$16,524

Alexandre Chigave
Gillette Children’s
Speaker Agreement
$1,000

Kendall Crookston
Blood Systems Foundation
Transfusion Medicine Fellowship
$95,007

Douglas Clark
UNM Hospital
Professional Services
$550,285

Lilted Blood Services
Medical Director Services
$128,160

UNM Medical Group, Inc.
Professional Services
$109,423

Garcia Laboratory
Medical Director Services
$20,259

Karissa Culbreath
TriCore Reference Laboratories
PSA TriCore/ThermoFisher
$37,983

Bruce Edwards
University of Connecticut
Developing a Screening Campaign for Immunocompromised Patients
$95,500

Tracy George
HematogenX
PSA HematogenX
$6,500

TriCore Reference Laboratories
PSA TriCore/Roche Diagnostics
$3,600

Jennifer Gillette
National Institutes of Health
Functional Role of Tsetseps CD2 in Hemostatic Stem Cell Interaction—Continuation
$378,750

National Institutes of Health
Spontaneous Analysis of CD2—Mediated Integrin Adhesion—Continuation
$31,379

Diane Lidke
Carnegie Mellon University
Fluorescent-Activated Cell Sorting-Based FRET to Quantify FcRI Activation Mechanisms
$110,017

Carnegie Mellon University
Fluorescent-Activated Cell Sorting-Based FRET to Quantify FcRI Activation Mechanisms—Continuation
$99,069

Carnegie Mellon University
Single-Molecule FRET Imaging of FcR interactions—$160

Dennis McCance
BioMarker Strategies, LLC
SA BioMarker Strategies
$382

Aaron Neumann
National Institutes of Health
Nano and Microcatalytic Molecular Machines for In vivo Immune Sensing of Candida—Continuation
$365,676

Aaron Pritchard
TriCore Reference Laboratories
PSA TriCore/Instrumentation Labs
$1,125

Larry Sklar
National Cancer Institute
Illuminating the Drugable Genome Knowledge Management Center
$321,592

Gilead Sciences
Gilead Sciences Inc.
Speaker Agreement
$2,000

Mohammad Vasef
TriCore Reference Laboratories
PSA TriCore/ThermoFisher
$10,300

Angela Waddington-ness
National Institute of General Medical Sciences
Academic Science Education and Research Training
$473,996

National Institutes of Health
Ketorolac and Related NSAIDs for Treating Rho-kinase GTPases in Ovarian Cancer
$302,000

Boston College
IRACDA Plus—Continuation
$250,000

National Science Foundation
G-Trap: A Multipurpose GTPase Activity Assay Kit
$50,000

American Chemical Society
Increasing the Immunoreactivity of VLPs Through Chemical Conjugation of Immunogenic DNA Strands
$2,500

Children’s Hospital of L.A.
Kids Seek Cure for Kids
$540

Cosette Wheeler
National Institute of Allergy
an Infectious Diseases Epidemiology and Prevention Interdisciplinary Center for Sexually Transmitted Infections
$2,565,880

Bridget Wilson
National Institutes of Health
Validation of the Pre-BCR Signaling Complex
$30,343

Stephen Young
DNA Electronics
Specimen Acquisition Study to Evaluate the NanoMR Prenatal Detection System
$375,000

Qian-Yun Zhang
TriCore Reference Laboratories
PSA TriCore/Syremx
$4,900

Shirley Abraham
Oregon Health & Science University
Regional Hemophagocytic Network—Mountain States
$34,250

University of Colorado
Regional Hemophagocytic Network—Mountain States
$32,021

American Thoracic Society
Hemostasis Network
ATHI Data Quality Counts
$15,500

American Thoracic Society
Hemostasis Network
My Life. Our Future
$5,350

Tanya Baker-McCue
New Mexico Department of Health
Summer Ashma Institute Project
$2,470,058

New Mexico Division of Vocational Rehabilitation
Project Search
$425,000

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

New Mexico Developmental Disabilities Planning Council
Information Network
$160,000

New Mexico Developmental Disabilities Planning Council
School-to-Work Transition Alliance
$15,000

Kirsten Bennett
Health Resources and Services Administration
The Health Network Grant
$299,999

New Mexico Department of Health
Envision New Mexico—Core Coordination and the Patient-Centered Medical Home
$150,000

New Mexico Department of Health
ACA—Home Visiting Training—Specific Supplement—Healthy Families Level 2
$729,500

Stephen Young
DNA Electronics
Specimen Acquisition Study to Evaluate the NanoMR Prenatal Detection System
$375,000

Qian-Yun Zhang
TriCore Reference Laboratories
PSA TriCore/Syremx
$4,900

Presbyterian Healthcare Services
Pediatric Hematology Oncology Review
$25,000

Tessa Clinic for Children and Youth Professional Services via Telemedicine
$10,000

Theresa Cruz
New Mexico Human Services Department
SNAP-ED Evaluation
$175,763

Presbyterian Healthcare Services
REACH Evaluation
$98,102

Thurmond Foundation
Home Visiting: Discovering What Works for Increasing Referrals
$60,000

New Mexico Department of Health
PSC VTP Technical Assistance Project
$48,000

New Mexico Department of Health
PSC VTP Technical Assistance Project—Specific Supplement
$20,500

New Mexico Department of Health
Safe Sleeping
$10,000

Presbyterian Healthcare Services
Mobile Food Market
$10,000

Lea Davies
Cystic Fibrosis Foundation
Cystic Fibrosis Center of New Mexico—Cystic Fibrosis Registry—BAA
$49,000

Sally Davis
Centers for Disease Control and Prevention
Village Interventions and Venues for Activity (VIVA II)
$368,101

Centers for Disease Control and Prevention
MSU-PCR Core
$347,899

Centers for Disease Control and Prevention
Early Childhood Settings Serving Southwest American Indians and Hispanic Populations
$80,000

New Mexico Department of Health
Implementing Evidence-Based Recommendations that Promote Healthy Activities
$15,000

Tara Lynn DuPont
New Mexico Department of Health
Developmental Core Continuity—Fee-for-Service
$118,000
Jennifer Ann Vickers, continued
New Mexico Department of Health Continuum of Care Project $876,447
New Mexico Department of Health Continuum of Care Mortality Review Project—Specific Supplement $55,000
New Mexico Department of Health Continuum of Care Mortality Review Project $495,585
Kristi Wattenberg
Eunice Kennedy Shriver National Institute of Child Health and Human Development NICHD Cooperative Multicenter Neonatal Network—Continuation $253,444
Eunice Kennedy Shriver National Institute of Child Health and Human Development NICHD Cooperative Multicenter Neonatal Network—Specific Supplement $28,160
Stuart Winter
New Mexico Department of Health Camp Enchantment 2017-DOH $18,990
Craig Wong
Covention, Inc.
Clinical Trial $117,207
The Children’s Mercy Hospital Clinical Trial Phase 4-CKD Study—Continuation $19,214
The Children’s Mercy Hospital CKD Steering Committee—Continuation $17,517
Nationwide Children’s Hospital Care Glimmeruneprophy $15,500
Nationwide Children’s Hospital Care Glimmeruneprophy $9,704
Psychiatry & Behavioral Sciences
Christopher Abbott
National Institutes of Health ECT Current Amplitude and Medial Temporal Lobe Engagement $522,338
The Mind Research Network Project 5-Abbott-Multimodal Imaging of Neuropsychiatric Disorders: Mechanisms and Biomarkers (COBRE II) $299,196
Deborah Altschul
Mesalgics Apache Business Enterprise Board Mesalgics SOC Expansion $64,484
San Felipe Pueblo
San Felipe Tribal Katshiyio Infants Volade Always (KEVA II) $136,000
W.K. Kellogg Foundation New Mexico Learning and Evaluation Consortium—Specific Supplement $272,593
OptumHealth New Mexico New Mexico Certified Community Behavioral Health Clinics $233,984
San Felipe Pueblo KEVA II $115,092
OptumHealth New Mexico NM SBIR $50,000
OptumHealth New Mexico Multi-System Therapy Data Reporting initiative $31,317
OptumHealth New Mexico New Mexico Certified Community Behavioral Health Clinics—State Specific Supplement $25,647
OptumHealth New Mexico New Mexico Certified Community Behavioral Health Clinics—Specific Supplement $25,000
Altarum
Racial Equity in New Mexico $32,500
OptumHealth New Mexico Multi-Systemic Therapy Data Reporting Initiative $63
Jerald Beltz
Health Resources and Services Administration Psychology Internship Expansion Grant—Continuation $52,687
Jeanne Bererer
OptumHealth New Mexico BHSD New Mexico Suicide Prevention—Continuation $100,000
OptumHealth New Mexico BHSD New Mexico Suicide Prevention—Specific Supplement $25,000
New Mexico Department of Health BHSD NM Suicide Prevention—Specific Supplement $16,868
OptumHealth New Mexico BHSD New Mexico Suicide Prevention $2,253
Snehl Bhatt
University of Southern Denmark Project Elderly—Specific Supplement $38,718
Heffer Research Institute Effects and Therapeutic Potential of Policysyn in Alcohol Dependence—Specific Supplement $2,000
Caroline Bonham
New Mexico Human Services Department MSU CBIR II $2,000,000
New Mexico Behavioral Health Collaborative MSU EARY Clinic $1,223,652
Albuquerque Area Indian Health Service APS Area (HS-JA) Center for Telehealth Excellence Project $838,250
New Mexico Behavioral Health Collaborative MSU Behavioral Health Services $569,392
New Mexico Human Services Department NASP—Native American Suicide Prevention $990,000
Juan Bustillo
The Mind Research Network ACAN-Buulio-Multimodal Imaging of Neuropsychiatric Disorders: Mechanisms and Biomarkers (COBRE II) $368,983
Montana State University Clinical Trial Phase 4 $350,049
Janssen Scientific Affairs, LLC Clinical Trial Agreement—Phase 3—Specific Supplement $52,260
Richard Campbell
New Mexico Governor’s Commission on Disability Youth Concussion Surveillance Tool—Continuation $20,782
Angioma Alliance CCM Common Hippocampal Mutation $9,680
Annette Crisanti
OptumHealth New Mexico Reducing Homelessness Among Persons with Behavioral Health Problems—Continuation $229,966
University of Nevada, Las Vegas Mechanisms of Change of PWS $69,255
OptumHealth New Mexico Reducing Homelessness Among Persons with Behavioral Health Problems—Specific Supplement $12,300
Molly “Martha” Faulkner
National Institute on Drug Abuse NIMH Outreach Partnership $75,000
Paula Hensley
INNO Clinical Outcomes, LLC Clinical Trial—Phase 2—Non-specific Supplement $114,088
INNO Clinical Outcomes, LLC Clinical Trial—Phase 2—Supplement and Extension $57,538
Brian Isakson
Substance Abuse and Mental Health Services Administration ACTION II $399,912
Substance Abuse and Mental Health Services Administration COPE Primary Care Integration $398,868
Substance Abuse and Mental Health Services Administration COPE Primary Care Integration $398,357
Avron Kricheff
New Mexico Department of Health MSU DOH Telehealth School-Based $93,000
Stephen Lewis
Feinstein Institute for Medical Research RAISE $19,737
Stefan Posse
The Mind Research Network MD4-Phase-Multimodal Imaging of Neuropsychiatric Disorders: Mechanisms and Biomarkers (COBRE II) $54,535
Julie Salvador
New Mexico Children, Youth and Families Department Communities of Care (FYCD SOC Expansion), With BAA—FY 18 $145,670
Shawn Sidhu
New Mexico Human Services Department MSU Public Psychiatry Program $900,000
Robert Thoma
The Mind Research Network Project 4—Thoma—Multimodal Imaging of Neuropsychiatric Disorders: Mechanisms and Biomarkers—Continuation $58,663
The Mind Research Network Project 4—Thoma—Multimodal Imaging of Neuropsychiatric Disorders: Mechanisms and Biomarkers—Continuation $45,533
New Mexico Governor’s Commission on Disability Brain Injury Study on the Veteran Population of New Mexico $24,623
Mauricio Toben
Hidalgo Medical Services Psychiatric Services $150,000
Bernalillo County Psychiatric Services $84,942
The Peak at Santa Teresa, Inc. Professional Services $25,000
Hidalgo Medical Services Psychiatric Services $25,000
Saint John’s Health Center Medical Director Services $14,976
Virginia Waldorf
New Mexico Behavioral Health Collaborative MSU NM SBIR $514,316
Claire Wilcox
National Institute on Alcohol Abuse and Alcoholism Neural Mechanisms of Change During Treatment of Alcohol Use Disorders with Prozac—Continuation $180,013
National Institute on Alcohol Abuse and Alcoholism Neural Mechanisms of Change During Treatment of Alcohol Use Disorder with Prozac—Non-Specific Supplement $24,739
The Mind Research Network ICDs and Cognitive Retraining to Augment Pharmacotherapy for the Treatment of Nicotine Dependence—Continuation $15,274
Radiology
Gary Hatch
RIT International Development of Curriculum and Instructional Content for Workshop on Advanced Radiologic Imaging for Medical Death Investigation $55,963
Gary Maldy
U.S. Department of Veterans Affairs Provide Radiological and Nuclear Medicine Diagnostics and Therapy Services for NMVAHCS—Non-specific Supplement $292,000
U.S. Department of Veterans Affairs Provide Radiological and Nuclear Medicine Diagnostics and Therapy Services for NMVAHCS—Non-specific Supplement $460,000
U.S. Department of Veterans Affairs Provide Radiological and Nuclear Medicine Diagnostics and Therapy Services for NMVAHCS—Non-specific Supplement $230,000
New Mexico Department of Health Breast and Cervical Cancer Early Detection Project Program $142,425
U.S. Department of Veterans Affairs Provide Radiological and Nuclear Medicine Diagnostics and Therapy Services for NMVAHCS PD Modification to Add Funds for Outstanding Claims $16,492
Danielle Sorte
University of Cincinnati DEFUSE 3: Endovascular Therapies Following Imaging Evaluation for Ischemic Stroke 3 $67,798
Surgery
Arup Das
Roche TCRC, Inc. Clinical Trial Agreement—Phase 2 $140,200
New Mexico Commission for the Blind PSA-10-23-FP17 Commission for the Blind—Emergency Eye Care program $125,000
Roche TCRC, Inc. Clinical Trial Agreement—Phase 2 Supplement $57,024
U.S. Department of Veterans Affairs PIA- Fimi M. Swamidoss $49,719
Dusanka Deretic
National Institutes of Health Rhodopsin Trafficking and Photoreceptor Membrane Repolarization (RENEW)—Continuation $340,875
National Institutes of Health Rhodopsin Trafficking and Photoreceptor Membrane Repolarization—Non-specific Supplement $37,875
Marco Ricci
Datadance Corp Intra-Aortic Balloon Pump Review and Consultation—Continuation $62,500
John Russell
Oral-Maxillofacial Surgery Associates of New Mexico, P.A.
Professional Services $256,165

Anil Shetty
New Mexico Department of Health
Cliff追求 Clinic Services $10,800

[Health Sciences Library & Informatics Center]

Patricia Bradley
Center for Public Service Communications
Professional Development for Librarians Serving Tribal Communities in NM, AZ, CO and OK $24,850
Center for Public Service Communications Native Voices Outreach: NM’s Tribal Libraries Four Corners $24,000
University of New Mexico Health Sciences Center Continuing Health Information Outreach in New Mexico $10,000
Center for Public Service Communications Native Voices Outreach: New Mexico’s Tribal Colleges and Universities $833

Karen McElfresh
Medical Library Association Postdoc Professional Development Award $465

Sarah Morley
Grace and Howard Sewell Memorial Fund Professional Development Award $1,000

[UNM Hospital]

Eve Espey
New Mexico Department of Health Preventive and Postpartum Clinical, Health Education and Ancillary Services for Medically Indigent Pregnant Women $140,000
New Mexico Department of Health Perinatal Medical Services for Medically Indigent Women in New Mexico $54,960

Steve McKerman
New Mexico Children, Youth and Families Department YCHC—Home Visits and Education FY17 $54,000

U.S. Indian Health Service Inpatient Psychiatric Hospital Services to IHS Beneficiaries $25,000
San Juan Regional Medical Center Hesalg Use Agreement $5,000
Rocky Mountain Holdings Hesalg Use Agreement $5,000

Rodney McNeese
City of Albuquerque Assertive Community Treatment Program $713,300
Albuquerque Area Indian Health Service Inpatient Psychiatric Services $25,000
Albuquerque Health Services Opioid Treatments $25,000

Doris Tinagero
City of Albuquerque Gang Prevention $183,000
City of Albuquerque Primary Care/MSW Services Program $161,970

[UNM Sandoval Regional Medical Center]

Richard Campbell
Sandoval County Sandoval County DWI and Prevention Program $14,000

Robert Perry
New Mexico Department of Health Hospital Preparedness Services $71,000

Mark Unruh
Sandoval County Regional Emergency Communications Center Critical Care Services at SRMC $25,000

[UNM Medical Group, Inc.]

Loretta Doyle
Miners Colfax Medical Center Professional Services $25,000

Jamie Finkelstein
MedTrak Services Pharmacy Services Agreement $25,000
Prime Therapeutics Pharmacy Participation Agreement $25,000
CVS Health/Caremark Provider Agreement $25,000
Prime Therapeutics Pharmacy Participation Agreement $25,000

Denise Kesler
Lovelace Respiratory Research Institute Occupational & Environmental Health Consulting Services $75,000

Jill Klar
Aberdeen Area Indian Health Service Professional Services Provided by UNM Medical Group $25,000

Steven (Bruce) Williams
New Mexico Department of Health HIV Services $472,810
OptumHealth New Mexico Provider Agreement $25,000

Albuquerque Public Schools Behavioral Health Assessment and Treatment for Students $9,000

Robert Perry
New Mexico Department of Health Ebola Preparedness and Response Activities $21,000
New Mexico Department of Health Hospital Preparedness Services $6,600
New Mexico Department of Health Hospital Preparedness Services $6,600

Michael Richards
New Mexico Department of Health Provide services in support of the ThinkFirst Project $5,000
New Mexico Department of Health Rural Trauma Team Development Course Project $3,774

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 Science Center’s discoveries and innovations of the future, contact Bill Uher, Vice President of Development, UNM Foundation, at bill.uher@umnfund.org or 505-277-4078.

About the Foundation
The University’s Board of Regents established the UNM Foundation in 1979 as a nonprofit corporation. Ten years later, the Regents delegated the responsibility of overseeing University of New Mexico assets and investments to the UNM Foundation Investment Committee. These assets total more than $400 million today.

In 2008 the foundation became a standalone organization with expanded fiduciary duties to include fiscal, human resources, and treasury functions. All private gifts for 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 donor gifts are directed to the donor’s designated purpose.
UNM HEALTH SCIENCES CENTER

Discovery
Research Annual Report 2017

UNIVERSITY OF NEW MEXICO HEALTH SCIENCES CENTER

Turning Research Into Cures