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University of New Mexico Health Sciences Center Discovery Research Annual Report 2018

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UNIVERSITY OF NEW MEXICO HEALTH SCIENCES CENTER

Discovery
Research Annual Report 2018

HSC Bioscience Yields Health & Economic Benefits for New Mexico

THE VALUE OF RESEARCH
UNM Health Sciences Center
Research Annual Report 2018

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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.

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UNIVERSITY OF NEW MEXICO HEALTH SCIENCES CENTER

Research
Annual Report
2018

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I want to congratulate our research faculty for another successful year, with many impactful accomplishments, some of which you’ll read about in this year’s Research Annual Report. It’s worth noting that these achievements have come while we have continued to attract substantial extramural funding that has helped to stimulate our state’s economy.

Research to find cures and treatments for disease and disability plays an enormously important role in helping the UNM Health Sciences Center meet its mission of improving the health and well-being of all New Mexicans. This year, we have identified three targeted institutional initiatives to maximize the impact of our efforts, and each of them has a strong research component.

The first is child well-being, the foundation for a healthy population now and for decades to come. Our laboratory scientists, community-based researchers, and clinical providers have teamed up to study the impact on child development of prenatal exposure to alcohol and other substances as well as strategies for attenuating the lingering effects of adverse childhood experiences.

We are also promoting successful aging, recognizing that in a dozen years, New Mexico is expected to have one of the oldest populations in the nation.

Cutting-edge cancer research and a new focus on diagnosing and finding treatments for various forms of dementia hold out the prospect for a healthier future for all.

Behavioral health and the related problem of opioid use disorder have a significant impact on our communities. The faculty in the College of Population Health are partnering with colleagues across the university to implement targeted behavioral health interventions for our state’s under-resourced communities through the Transdisciplinary Research, Equity and Engagement (TREE) Center.

This year, we have identified three targeted institutional initiatives to maximize the impact of our efforts.

In addition, expected growth in federal funding for behavioral health research will help support further studies of the underlying mechanisms of these diseases, with the possibility of developing new treatments.

The dedication and professionalism of our research community is a continual source of inspiration—and a potent source of hope for the future. I am deeply grateful for their contribution.

I’m extremely pleased to report that the University of New Mexico Health Sciences Center research enterprise has seen another very successful year of innovation and growth. Our research scientists received an impressive $185 million in extramural funding for FY 2017-2018, bringing our cumulative funding total to nearly $1.7 billion since 2007.

This record of successful grant funding at the Health Sciences Center has had a sizable impact on New Mexico’s health, fueled economic activity and created jobs. Many new discoveries that positively impact the health of New Mexicans have been made here. In addition, patented technology developed on our campus has spurred the creation of dozens of biotechnology startups in recent years that have created clean, high-paying jobs in the state.

Lately, we have been playing a key role in kickstarting New Mexico’s biotechnology sector. I chair the New Mexico Bioscience Authority, a public-private partnership created by the Legislature to help attract and retain new biotech businesses. The Bioscience Authority recently welcomed the arrival of Bright Path, a firm that uses innovative bioreactor technology to dramatically speed the production of pharmaceuticals. Bright Path is leasing manufacturing space on our campus and based its decision to locate in New Mexico in part on its proximity to the expertise of Health Sciences Center researchers.

Our Clinical & Translational Science Center is also sharing in a three-year $35 million Small Business Technology Transfer grant to help biomedicine researchers at 11 schools in seven Western states speed commercialization of their inventions. We’ll develop the educational program here in Albuquerque in partnership with a Seattle-based product development company.

In the coming year we expect to continue growing our research efforts, with a special focus on the areas of behavioral health and substance abuse disorder. We’ll also reprise our very successful Health Hackathon and Bioventure events. And we’re ramping up the renewal process for our Clinical and Translational Science Award and our Comprehensive Cancer Center grant.

In the meantime, stay tuned for new developments!
I have been extremely impressed by the faculty and staff I have gotten to know in the College of Nursing since assuming the deanship a few months ago. I am learning a great deal about its long and impressive history of promoting clinical care, educating the state’s nursing workforce and conducting research for the benefit of New Mexicans.

I have been tasked by UNM President Garnett S. Stokes and Chancellor Paul B. Roth with rebuilding and bolstering the College’s research mission, with a stronger focus on basic and translational science. This is a core part of our role as an R1 research university, and I know from my own experience the many ways in which research informs clinical education – and how education in turn shapes the research agenda.

The keystone in making this vision a reality will be to recruit highly ranked research leaders to the College to help define that agenda and attract new grant funding.

Toward that end, we are engaged in a national search to fill the newly created position of associate dean for research and scholarship.

And, with several recent retirements in the College, I’m hoping to build our research capacity by hiring new tenure-track faculty, not all of whom will necessarily have nursing backgrounds.

I believe that these additions to our faculty will help promote interdisciplinary collaborations within the College and across the Health Sciences Center and the University as a whole.

Meanwhile, I’m very pleased to report that we are building dedicated laboratory space for College of Nursing researchers in the Med II building, with enough room to accommodate several scientists.

With these investments in our future, I’m confident that our College of Nursing is poised to build a national reputation for research expertise in investigating environmental toxins, the health care consequences of chronic poverty and the unique needs of our rural, underserved and Native American populations.

Research at the College of Pharmacy continues to grow at a remarkable pace. In FY18, the College received more than $12.3 million in extramural funding, marking an increase of nearly 120 percent over our funding just five years ago.

Our sponsors include the National Institutes of Health, the Environmental Protection Agency, the Centers for Disease Control and Prevention, the Health Resources and Services Administration and the American Heart Association, as well as numerous industry, foundation and state research partnerships.

Moreover, the College continues its presence near the top of the national research rankings. The College ranks 11th in the nation among 133 colleges of pharmacy in NIH research funding and 21st in total extramural funding in the American Association of Colleges of Pharmacy’s most recent research rankings.

Researchers in the College hold nearly 40 active U.S. patents and dozens of pending patent applications. These outstanding results and accomplishments further distinguish the College as a preeminent research institution.

The College boasts four federally funded and nationally recognized programmatic center grants involving multidisciplinary teams of environmental health researchers. They are examining the effects of heavy metal exposure from abandoned mines on tribal populations and developing community-based research plans to educate those affected about their risk factors. Ultimately, our scientists are striving to reverse the effects of toxic exposures. Through these programmatic grants, we are also training and mentoring the next generation of environmental health scientists.

Our researchers are also working to improve outcomes for infants prenatally exposed to opioids and changing current standards of care for neonatal abstinence syndrome. Work is also being carried out in a number of critical patient populations, including young adults with HIV, transgender patients, TB testing and treatment in the community pharmacy and patients with atrial fibrillation.

I want to express my deep appreciation and gratitude to the faculty, staff and students in the College of Pharmacy who perform and disseminate our research to improve the health of our local and global communities.
"Why are some people healthy and others not?"

This question, posed in the title of a book published in 1994, introduced the new concept of population health into public health and medical literature. Over the past decade, virtually every sector of the health care system has reexamined its processes, products and outcomes using a population health lens.

The newest college at UNM, the College of Population Health, is front and center in this new era, with key roles in the measurement of cost, quality and effectiveness of health interventions and recruitment and training of the population health workforce.

Our long record of success in community-based participatory research continues through the Center for Participatory Research, while the college’s newest center, the Transdisciplinary Research, Equity and Engagement (TREE) Center for Advancing Behavioral Health, has completed its first full year tackling behavioral health and substance abuse issues in New Mexico’s underserved communities.

Our research studying the effects of workplace toxins on mothers and babies enters its second year, and the College has just received new grant and contract awards to study the health of agricultural workers.

New collaborations with the UNM Honors College, the Colleges of Pharmacy and Nursing, the Department of Family & Community Medicine, the Office for Community Health, the City of Albuquerque and Bernalillo County have further expanded our research, teaching and service activities. We are especially pleased to report that our undergraduate program grew 15 percent in enrollment this fall, an important pipeline to our master’s degree in public health.

As we wrap up our third year as a college, we look forward to welcoming a new dean in the summer of 2019, and a new leader to help us realize the unlimited potential of the College of Population Health in the exciting new era of population health science.

The research conducted by our scientists and clinicians is so central to everything that we do in the School of Medicine. It is an integral part of our academic mission and plays an essential role in helping us with our commitment to improve the health of New Mexicans.

This year, we have some really impressive research achievements to celebrate.

One is the prestigious MERIT award from the National Institutes of Health that recognizes the pioneering work in autophagy done by Vojo Deretic, PhD, professor and chair of the Department of Molecular Genetics & Microbiology. The MERIT (for Method to Extend Research in Time) award means that Dr. Deretic, who joined the UNM Health Sciences Center in 2001, will have his research funded for another eight to 10 years without having to undergo a competitive renewal process.

Dr. Deretic meanwhile also received funding renewal for the grant supporting his Autophagy and Inflammation Center.

Dan Savage, PhD, Regent’s Professor in the Department of Neurosciences and director of the New Mexico Alcohol Research Center, won renewal of his P50 grant, which supports the center’s research into Fetal Alcohol Spectrum Disorders and other related conditions.

Sarah Adams, MD, assistant professor in the Department of Pediatrics and The Victor and Ruby Hansen Surface Endowed Professor in Ovarian Cancer Research at the UNM Comprehensive Cancer Center, is exploring a new method for fighting ovarian cancer that holds great promise.

Our reach extends well beyond New Mexico. Eric Prossnitz, PhD, professor in the Department of Internal Medicine, is sharing in a three-year $3.5 million grant from the National Institute of General Medical Sciences to help researchers in seven Mountain West states develop their capacity to commercialize their inventions.

Finally, I’m very excited to announce that we have created a new Office of Research Education. Nancy Kanagy, professor of Cell Biology & Physiology, who has done a great job leading our Biomedical Sciences Graduate Program, will serve as interim senior associate dean for research education.
Planting the Seeds for Success

HSC Research Spurs the Growth of Bioscience in New Mexico

By Michael Haederle

The biomedical research conducted each year at the University of New Mexico Health Sciences Center ranges from bench to bedside and holds the potential for therapies and cures that can save lives and alleviate suffering.

But the work of HSC researchers also promises something equally impactful: it could well serve as the cornerstone for a growing bioscience industry that may one day help transform New Mexico.

"Bioscience promises to diversify the state's economy by creating green, sustainable jobs at all educational levels," says Richard S. Larson, MD, PhD, the HSC's executive vice chancellor and vice chancellor for research. "We have all the foundational elements to begin to target the growth of the bioscience industry."

The first – and most important – resource is human, Larson says. In UNM the state has a major research university with a thriving bioscience research enterprise, which, along with two national laboratories and other educational institutions, creates a critical mass of scientific expertise.

The second element is the availability of technology transfer organizations such as STC/UNM, which can speed the process of securing patents for and licensing of new technology and intellectual property, Larson says.

Next, a community of investors and entrepreneurs who are actively involved in business startups is needed to launch biotechnology companies that can commercialize drugs and technology developed at UNM, Larson says.

Finally, Larson says, a catalyst is needed to midwife the emergence of new biotechnology businesses.

"Bioscience promises to diversify the state's economy by creating green, sustainable jobs at all educational levels."

– Richard S. Larson, MD, PhD

The Bioscience Authority, which Larson chairs, is a public-private entity that was created by the New Mexico Legislature in 2017 to promote the growth of biotechnology in the state. A major part of its mission is devising strategies and incentives to attract investment in the state and provide turnkey solutions that simplify the process.

The Health Sciences Center has a major role to play, thanks to the rapid expansion of its research mission over the past 15 years, Larson says.

Extramural funding amounted to $85 million in the most recent fiscal year, while dozens of companies have been spun off from research conducted on campus.

Some standout examples include IntellCyte, a New Mexico-headquartered company that commercialized high-throughput flow cytometry technology co-invented by UNM scientist Larry Sklar, PhD, and Biophagy LLC, a firm co-founded by Vojo Duret, PhD, director of UNM’s Autophagy, Inflammation and Metabolism Center of Biomedical Research Excellence.

"The HSC research enterprise has grown robustly, so we have
the foundation needed,” Larson says. “STC has supported licensing the technology transfer of new discoveries created out of the HSC for new and existing companies in the bioscience space.”

The ranks of New Mexico-based angel and venture capital investors have grown in recent years, he adds. “With this, we have the key pieces to recommend appropriate state and municipality investment and to develop the programs to support creation of new private startup companies and the relocation of existing biosciences businesses,” he says. The coordinated strategy is already bearing fruit.

Bright Path, a firm that makes pharmaceuticals using cutting-edge bioreactor technology that trims costs and reduces waste, decided to locate its manufacturing facility in Albuquerque, drawn in part by its proximity to the resources at the Health Sciences Center and the business-friendly environment created by the Bioscience Authority.

The UNM Clinical & Translational Science Center (CTSC) is sharing in a three-year $3.5 million Small Business Technology Transfer grant from the National Institute of General Medical Sciences to help biomecine researchers in 11 schools in seven Western states develop their entrepreneurial skills to speed commercialization of their inventions.

“The goal is to educate faculty within the various institutions on how to commercialize their research, including startup funding and finding business partners,” says the CTSC’s Eric Prossnitz, PhD, who will serve as UNM’s principal investigator for the Accelerating Solutions for Commercialization and Entrepreneurial Development grant.

“Will be developing the educational program here in Albuquerque in partnership with Vireti, a Seattle-based product development company,” he says, adding that technology transfer offices will also be established at each of the participating institutions. The competitive grant awards to four regional business accelerators were created as part of an ongoing effort to boost biomedical research in states that historically have not received as much federal funding.

“This has been more than a decade in the making,” Larson says of the economic development effort. “With what we have put in place, I believe that a decade from now we will have made tremendous strides.”

### New Mexico Bioscience Startups Based on HSC Research

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### ALCALD AND THE DEVELOPING BRAIN

#### Fernando Valenzuela Probes Prenatal Exposure Links to FASD

By Kara Leasure Shanley

His journey began with receptors – miniscule proteins invisible to the naked eye that bind various chemicals – that are responsible for many physiological functions in your body, from nerve signals in your brain to the effects of drugs. “I was very intrigued by that interaction” says Carlos Fernando Valenzuela, MD, PhD, professor in the Department of Neurosciences.

But it was the mystery behind how alcohol affects those receptors that steered Valenzuela to the University of New Mexico. Now, as associate director of the New Mexico Alcohol Research Center, he gives his colleagues credit for transforming his fascination with the brain on alcohol into a passion for studying Fetal Alcohol Spectrum Disorders (FASD).

“I fell in love with the research because it combines all kinds of interesting issues – development, substance abuse, neuroscience, physiology, behavior,” Valenzuela says. “And it’s a very important public health problem.”

Many women believe it is acceptable to drink alcohol when pregnant, due to not knowing they are pregnant or thinking a little won’t do any harm. Still others have a dependence.

“They cut down and say, ‘I can still have a little bit of alcohol because I hear that it’s safe,’” Valenzuela says. “There is no safe level, of course.” Any amount of alcohol can increase the risk of FASD, diseases characterized by severe neurological and developmental damage to an unborn baby from prenatal alcohol exposure.

Alcohol abuse is endemic in New Mexico, which has held first, second or third place in the country for alcohol-related deaths for more than 30 years, according to the New Mexico Department of Health. But these issues are not just restricted to New Mexico. The far-too-common occurrence of these disorders has motivated Valenzuela and his laboratory to study how alcohol affects the brains of developing babies. His latest research has focused on brain-derived neurotrophic factor (BDNF), a protein released by nerve cells that maintains neural connections.

Valenzuela recently reported that a mutated BDNF gene is a risk factor for FASD development. In mice, this mutation affects BDNF release from cells, resulting in significant developmental and behavioral consequences if they have been exposed to alcohol as pups.

“We figure that not having that efficient release of BDNF could predispose you to more a severe phenotype when exposed to alcohol,” he explains. “And a significant proportion of the human population has that phenotype.”

He hopes that this discovery will persuade other researchers to confirm the connection between mutated BDNF and FASD in humans.

Nevertheless, studying the brain always yields more questions to be answered – and more work to be done, which is why Valenzuela has shifted his attention to the riddle of how alcohol kills the neurons of young mice in a stage of development resembling the human third trimester. Valenzuela is also confident in the future of the field, particularly where the New Mexico Alcohol Research Center and the students he trains as the director of the Alcohol Research Training Program are concerned. “It’s very rewarding, because you are helping the new generation of scientists,” Valenzuela says.
DELIVERING A ONE-TWO PUNCH TO CANCER

Sarah Adams Tests a Drug Combination Against Ovarian Cancer in Human Clinical Trials

By Michele Sequeira

Fewer than half of women diagnosed with ovarian cancer live for five years or more. Those survival odds haven’t changed significantly for some time, but Sarah Adams, MD, plans to improve them.

Adams, the Victor and Ruby Hansen Surface Endowed Professor in Ovarian Cancer Research at The UNM Comprehensive Cancer Center and an associate professor in the Department of Obstetrics & Gynecology, opened an ovarian cancer clinical trial based on her own discovery in March 2016.

With promising early results, Adams’ trial was selected to be the first national clinical trial opened in the Oncology Research Information Exchange Network, a consortium of 16 National Cancer Institute-designated cancer centers, and it is now open at three additional sites in Virginia, Ohio and Florida.

Ovarian cancer has unclear symptoms and no screening tests that catch it in its early stages, before it has spread to lymph nodes or other organs. When caught early, the five-year relative survival rate runs higher than 90 percent, according to the National Institutes of Health. But in nearly 60 percent of women diagnosed, the cancer has already metastasized.

Although ovarian cancer can be treated with chemotherapy and surgery, in a majority of women the cancer eventually returns, resulting in the poor overall survival rate. Adams’ new treatment is being tested in women with recurrent ovarian cancer after chemotherapy.

Her early studies demonstrated the efficacy of combining two treatment approaches. First, a tumor-directed therapy kills cancer cells, while a complementary immunotherapy method sensitizes immune system T-cells to target ovarian cancer cells.

Adams has focused her research on BRCA-related ovarian cancer. BRCA1 and BRCA2 are genes we all carry that encode proteins involved in DNA repair, but women with mutations in their BRCA genes face a high risk of breast and ovarian cancer.

Cells with mutated BRCA genes rely on alternate DNA-repair pathways that use a class of proteins called PARPs. Adams’ therapy uses a PARP inhibitor that kills the cancer cells by keeping the PARP proteins from accomplishing their repair work. PARP inhibitors do not affect healthy cells because they have working BRCA proteins with which to repair their DNA. “The therapy is specific to cancer cells,” Adams says, “so it’s nicely targeted.”

Meanwhile, Adams and others have shown that immune therapy is especially potent against BRCA-related ovarian cancer. It enhances a woman’s immune response to her cancer and teaches her immune cells to recognize the cancer if it ever comes back. The immune therapy in Adams’ trial is an antibody that sustains T-cells’ ability to recognize and devour cancer cells.

So Adams’ combination therapy kills cancer cells and enables the immune system to eradicate the tumor: if the PARP inhibitor doesn’t kill the tumor cells outright, the immune system does.

With continued promising results, NRG, one of the NCI Cooperative Oncology Groups that runs national clinical trials, has also selected Adams’ trial to be opened across the nation and to expand this therapy to women without BRCA-related mutations.

Cheryl Willman, MD, director and CEO of the UNM Comprehensive Cancer Center, hailed Adams for translating her discovery science into a clinical trial first tested at UNM, and then expanded to national clinical trials. “This is considered one of the highest, and most difficult, achievements that any cancer investigator or cancer center can attain,” Willman says.

Ultimately, Adams and her team hope to boost the immune system of women with ovarian cancer so that their bodies keep the cancer at bay once the tumor is removed or killed. “I’ve never been this excited about research before,” Adams says. “These results have been really exciting.”

Adams tested her cancer-killing therapy in a mouse model before launching human clinical trials.
Advancing Behavioral Health Through Evidence, Engagement and Equity

By Tamara L. Young

The Transdisciplinary Research, Equity and Engagement (TREE) Center is an innovative hub of diverse scholars from across UNM. It engages with community partners to grow evidence-based interventions that tackle the root causes of behavioral health issues, including youth suicide, depression and anxiety, opioid addictions, and adverse childhood experiences and alcoholism. "We are closing the health disparities 'know-do' gap by generating both community and academic evidence for actions at the individual, family, community, systems and policy levels," explains Lisa Cacari Stone, PhD, director and associate professor in the College of Population Health. "We aspire to impact change by investing in the next generation of under-represented minority scholars."

Cacari Stone has spent the better part of the past two decades working in health and social services across the country. Along the way, she found significant gaps in policies and services, particularly those aimed at underserved populations. She attributed these gaps to the fact that many research consultants have little or no understanding of the cultural and social determinants of health in the populations they study - and was motivated to get a PhD in social policy.

The TREE Center is one of 12 National Institutes on Minority Health and Health Disparities Specialized Centers of Excellence on Minority Health and Health Disparities. It received $7 million in grant funding over five years to promote research aimed at improving behavioral health outcomes for racial, ethnic, sexual, gender and geographic minority communities. It also seeks to support the development of a diverse scientific workforce by training new under-represented minority investigators.

The TREE Center boasts three complementary cores, two center-led research projects, young investigator-led pilot projects and a data and evaluation unit.

"The Community, Scientific, Policy Advisory Committee plays an important role in strengthening our work by offering strategic guidance, helping us evaluate our progress and identifying community research projects and assisting in translating and disseminating evidence to practice and policy," Cacari Stone explains.

The Community Engagement and Dissemination Core, co-directed by Lorenda Bolone, PhD, MPH, and Magdalena Avila, DrPH, associate professors in the College of Education, is building an infrastructure throughout New Mexico to disseminate evidence-based science.

The Investigator Development Core, co-directed by Matthew Borrego, PhD, associate professor in the College of Pharmacy, and Theresa Cruz, PhD, research associate professor in the Department of Pediatrics, oversees a pilot grant program to mentor early-stage investigators in conducting multi-level team research with community partners.

Pilot grants are being awarded each year through 2022 to competitive early-stage investigators. In the TREE Center's first two years, seven pilot grants were awarded for research addressing New Mexico's Dreamers, Albuquerque Public Schools, fracking in Diné communities, suicide risk in rural communities, Generation Justice, teen pregnancy and maternal health in substance abuse contexts.

Thomas Chavez, PhD, assistant professor in the College of Education, says that in addition to providing financial support and mentorship, "The TREE Center has given me the confidence to broach topics from critical lenses that make a difference in our communities."

The TREE Center also has research projects that address the social determinants of behavioral health outcomes in two communities. These studies function as place-based World Health Organization-style observatories for testing behavioral interventions and growing knowledge that can be used by other community-academic partnerships.

Integrating Intergenerational Cultural Knowledge Exchange with Zero Suicide is a study at San Felipe Pueblo that leverages cultural knowledge and language to help normalize the risk of teen suicide. The Immigrant Well-Being Project works with three community organizations to address mental health, education and legal and civil rights issues among Mexican immigrants.

Looking ahead, Cacari Stone, trusts that the TREE Center will be a model in the nation for growing the people, partnerships and collective knowledge for advancing social change and health equity.

"Together, we are stronger," she says, "and our TREE leadership is capable of overcoming disciplinary silos and transforming the way we do research with communities so that our collective knowledge advances social change."
Beth Tigges Helps HSC Researchers Meet Their Grant Objectives

By Michael Haederle

Each year, as tens of millions of dollars in extramural grants flow into The University of New Mexico’s Clinical & Translational Science Center to support a complex research portfolio, someone has to ensure that the work product meets the objectives set forth by the funders.

That someone is Beth Tigges, PhD, RN, PNP, BC, an associate professor and Regents’ Professor in the College of Nursing, who for the past 10 years has served as the CTSC’s director of evaluation. In that role, she is deeply involved in the process of applying for the 2020 renewal of the Clinical and Translation Science Award that funds the CTSC.

“This will be my third round,” says Tigges, who helped draft UNM’s original CTSA grant, which was awarded in 2010. “It’s easier, because it’s more familiar, but we always need to think of new directions, new things to do.”

Tigges always wanted to be a nurse. She earned her bachelor’s degree in nursing at Penn State, a master’s in nursing as a pediatric nurse practitioner at Yale, and a PhD in public health and social psychology at Columbia. She moved to New Mexico in 1989 when her physicist husband took a job at Sandia National Laboratories.

At the time, the UNM College of Nursing needed faculty to start up a nurse practitioner program. “I helped develop that curriculum, and also the curriculum for the nurse midwifery program when it started in 1991,” she says.

Tigges has been active throughout her career in promoting nursing excellence. She is the 2017-2019 president of the Sigma Theta Tau International Honor Society of Nursing, which has more than 135,000 active members in more than 90 countries and territories around the world.

But she left behind her clinical education duties about 15 years ago and joined the PhD teaching faculty when the College launched its research doctorate program.

Tigges grew acquainted with multidisciplinary research after a colleague asked her to help submit a grant to create a UNM center for the National Children’s Study funded through the National Institutes of Health. “I discovered that I really enjoyed working on these multi-disciplinary collaborative research programs,” Tigges says.

Not long after, she helped another colleague write a ROI research grant proposal, which is why she was recommended to Executive Vice Chancellor Richard S. Larson when he needed someone to write a 25-page evaluation section for the first CTSA grant – and do it in a few weeks.

“I wrote an evaluation plan for it,” she says. “It went really well and we got funded, so it was almost an accident that I went into evaluation.”

In her role at the CTSC, Tigges has evaluated research for a number of different programs at the UNM Health Sciences Center and for the Mountain West Research Consortium, a federally funded collaboration to develop clinical and translational research capacity among 11 institutions in seven Western states.

“There’s been a fairly large shift in the past 10 years in the paradigm of research that NIH is interested in,” Tigges says, adding that there’s now greater emphasis on team-based work conducted at a number of different universities. “If you do collaborative work, you often come out with results that are more generalizable because you’ve pulled in more institutions.”

The evaluation process helps the NIH determine whether researchers are producing the scientific results it is seeking, she says. “Are we producing the publications, the follow-up grants, the patents – are we doing better at producing those than we used to do? Are we producing changes in clinical practice or health policy relatively quickly? Are we having an impact?”

A properly constructed evaluation provides a feedback loop that helps researchers do their jobs better. “You develop processes and strategies to reach the outcomes they want,” she says. “You have to approach it from multiple different perspectives.”
DANGER IN THE WIND

Navajo Nation Residents Live With Uranium Mining’s Legacy

By Kara Leasure Shanley

Sitting by itself in the Arizona desert, a mobile lab has been set up to examine the air quality of the surrounding environment. Air is collected, condensed and later pumped into the cages of rodents in the lab to see how it affects them. If this sounds like the opening scene from a science fiction movie, you’re not alone.

“Have you seen The Martian?” asks Matthew Campen, PhD. “I liken it to that.” Unlike Matt Damon’s lone, stranded astronaut, however, Campen has an entire team by his side investigating how residents of the Navajo Nation are affected by radioactive dust exposure from abandoned uranium mines.

Hundreds of thousands of Navajo live close by the more than 500 mines dotting their land, breathing elevated levels of contamination in the air every day, which can have severe effects on the lungs and heart.

This research is the focal point of one of the three grants from the National Institutes of Health in which Campen, a professor in the Department of Pharmaceutical Sciences, is the project leader. He and collaborators also study the widespread consequences of inhaling other toxins – like fume particulates and nanomaterials – on the lungs, heart and brain.

Campen admits it is a challenging task to balance three grants that seem unwardly unrelated, but all three are connected by a single concern. “It’s just such a simple question: why is it that we breathe stuff in and you have these systemic health effects?” he says. “It gives me a lot of room to do unfocused things.”

The intellectual freedom from following this question allows him to concentrate on what he thinks is a vital part of research – conducting the experiments that make a difference.

As a graduate student in North Carolina, he provided pivotal answers about the connection between particulate exposure and cardiac issues in rats. Campen says it was more of a matter of being in the right place at the right time – with a little foreshadowing. “Darned if that hasn’t become the rest of my life,” he says.

Campen’s recent work mirrors his philosophy on funded science. Most projects can be represented by three overlapping circles: work that can be done, work that the scientist wants to do and work that is needed.

“Somewhere in the overlap is the hot spot,” Campen says. Pursuing that overlap has been his primary goal, especially when it comes to his work with the Navajo Nation, conducted in partnership with the UNM METALS Superfund Research Program led by Johnnye Lewis, PhD, research professor in the College of Pharmacy.

“For the mine sites, the question has really been with the communities,” he explains. “What are your concerns related to the mine sites, and how can I help?”

Though cautious about whether his work will yield any novel treatments for particulate exposure, Campen is optimistic about its impact. “What I hope is that by understanding the molecular pathways better, we’re better able to recognize people that’ll be at risk,” he says.

Campen’s enthusiasm for his research helps him keep things in perspective – especially following a long day in the field, far away from home. “It was brilliant, because there you are,” he says, recalling the Navajo Nation study. “You’ve wrapped up the day, you’ve got nothing to do but sit there and you’ve got stars. You could go for a hike. The biking up there was fantastic.”

Between “geeking out” about other UNM researchers’ innovative projects and coming up with new ways to pursue his own, Campen’s curiosity will continue to drive him toward answering questions that matter.
UNIVERSITY OF NEW MEXICO HEALTH SCIENCES CENTER

Training Grants 2018

Camden Bair, PhD Candidate
T32 Scholar, NIH
Elucidation of function of the human adenovirus type 4 early region 3 CR proteins
Mentor: Adriana Kajon, PhD

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

Neil Detweiler, PhD
K12 Scholar, NIH
Vascular physiology
Mentors: Nikki Jernigan, PhD; Terri L. Koontz

Daniel Barto, PhD
K12 Scholar, NIH
Computational psychiatry: Neural markers of psychological disorders: Developmental neurobiology
Mentor: Elaine Bearer, MD, PhD

Laura Weise Cross, PhD
T32 Scholar, NIH
Oxidant signaling in pulmonary hypertension
Mentor: Thomas Resta, PhD

Tracy Dohn, PhD
K12 Scholar, NIH
The study of how different muscle types with different structures and functions are developed and regulated
Mentor: Richard Cripps, DPhil

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

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

Tammi Duncan, PhD
K12 Scholar, NIH
The potential role of zinc as a way to attenuate the carcinogenic effects of environmental metals on DNA repair mechanisms
Mentor: Laurie Hudson, PhD
Selina Garcia, PhD Candidate
T32 Scholar, NIH
Regulation of endothelial function by acid-sensing ion channel 1
Mentor: Nikki L. Jernigan, PhD

Johnny A. Kenton, PhD Candidate
T32 Scholar, NIAAA
Using optogenetics to explore neuronal circuits underlying executive dysfunction as a result of moderate prenatal alcohol exposure
Mentors: Jonathan L. Brigman, MD; C. Fernando Valenzuela, MD, PhD; Lee Anna Cunningham, PhD; Benjamin J. Clark, PhD

Perenkiia Mendola, PhD Candidate
T32 Scholar, NIH
Identification of endogenous regulators of cystathionine gamma-lyase in endothelial cells
Mentor: Nancy Kanagy, PhD

Katelyn Reinhart, PhD Candidate
T32 Scholar, NIH
Study of spreading depolarization (SD), and the basic physiological mechanisms of SD that contribute to the progression of brain injuries, including stroke
Mentor: C. William Shuttleworth, PhD

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

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

Ryan E. Harvey, PhD Candidate
T32 Scholar, NIAAA
Understanding the impact of prenatal alcohol exposure on hippocampal-parahippocampal place, grid, and head direction signals
Mentor: Benjamin Clark, PhD

Adrian Luna, PhD Candidate
T32 Scholar, NIAID
Defining how HPV oncoproteins are regulated during a productive infection and the cause of deregulation during transformation
Mentors: Michelle A. Osbun, PhD; Gregory Gar, MD, PhD; Jennifer Gillette, PhD; Laurie Hudson, PhD

Dominique Perez, PhD Candidate
T32 Scholar, NIH
Utility of small molecule inhibitors of CAMP efflux for translation as leukemia therapeutics
Mentors: Larry Sklar, PhD; Alexandre Chigaev, PhD

Chelsea Saito-Reis, PhD Candidate
T32 Scholar, NIH
Role of CD82 in regulating hematopoietic stem cell adhesion and signaling
Mentor: Jennifer Gillette, PhD

Crystal Vander Zanden, PhD
K12 Scholar, NIH
Early aggregation events of amyloid beta in Alzheimer's disease
Mentor: Eva Chi, PhD

Lea Weston, PhD Candidate
T32 Scholar, NIAID
Determining the role of anti-inflammatory cytokine IL-10 in tauopathies such as Alzheimer's disease
Mentor: Kiran Bhaskar, PhD

Katherine Zychowski, PhD
K12 Scholar, NIH
Vascular and neurovascular toxicology
Mentors: Matthew Campen, PhD; Melissa Franklin, MA

Stephanie Jerman, PhD
K12 Scholar, NIH
Immunocytochemistry in the tumor microenvironment
Mentor: Ellen Beswick, PhD

Naomi Lee, PhD
K12 Scholar, NIH
Developing novel peptide and virus-like particle-based vaccines using chemical biology and molecular genetics
Mentors: Bryce Chackraker, PhD; Ann Jerse, PhD; Jason Umana, MD, PhD

John Pinner, PhD Candidate
T32 Scholar, NIH
Studying the relationships between brain function, brain structure, and behavior in children with FASD
Mentor: James F. Cavanagh, PhD

Joshua Sanchez, PhD Candidate
T32 Scholar, NIAAA
Neuroscience and FASD
Mentor: Erin Milligan, PhD

Elani Fourie West, PhD
T32 Scholar, NIH
Studying the use of serum hydrogen sulfide as a biomarker to identify diabetic subjects at risk for cardiovascular complication
Mentor: Nancy Kanagy, PhD
Lauren L. C. Jantzle, PhD
Pediatrics
Junior Faculty

In her five years at UNM, Lauren Jantzle has made her mark as an innovative researcher in the field of perinatal, neonatal and pediatric brain injury. She began her career investigating neuro-inflammation and the protective effects of microglial inhibitors in perinatal hypoxia-ischemia. She was the first to publish research on the protective effects of doxycycline. She also defined the roles of chloride co-transporters (NKCC1 and KCC2) in developing therapies to treat the encephalopathy of prematurity. And, she has investigated the excitatory pathways in normal and abnormal brain development, demonstrating in both human and rodent models that the balance between excitation and inhibition is central to normal neurodevelopment and is dysregulated following prenatal injury.

Andrew L. Sussman, PhD, MCRP
Family & Community Medicine
Team Science Research

Andrew Sussman has made a practice out of finding the most effective ways to promote team science—and has made invaluable contributions to UNM Health Sciences Center research as a result. He holds multiple positions across the HSC and Main Campus based on his ability to transcend disciplinary boundaries. These include serving as director of RIOS Net (Research Involving Outpatient Settings) Practice-Based Research Network, director of Behavioral Measurement and Population Science Shared Resource in the Cancer Control Program at the UNM Comprehensive Cancer Center, faculty appointment in the Department of Family & Community Medicine, with a secondary appointment in the Department of Obstetrics & Gynecology, and senior fellow at the Robert Wood Johnson Foundation Center for Health Policy.

Beth Moody Jones, PT, DPT, EdD, MS, OCS
Physical Therapy
Scholarship of Teaching and Learning

What’s the best way to prepare physical therapy students for their national board exams? Beth Moody Jones made that question the central focus of her doctoral research—and her findings have translated into new teaching strategies and improved first-time pass rates for students graduating from UNM’s PT program. Her research, which looked at six cohorts from 2012-2017, involved the qualitative aspects of student success, how the program’s culture and hidden curriculum influence student success, whether learning styles are stable over time, and what learning styles correlate to critical thinking and success on licensure exams. Her research provided a unique opportunity to study the impact of admission criteria, step exam implementation, grit and mindset across the cohorts.

Photographs by Jeff Lee
Loretta Doyle
Albuquerque Healthcare for the Homeless Inc.
Professional Services - $25,000
Guadalua County Hospital
Professional Services - $25,000
Miners Colfax Medical Center
Professional Services - $25,000
Taos County
Professional Services - $25,000
Robert Fritch
New Mexico Department of Health
Locum Tenens Program Physician, PA and NP Services Project - BAA $300,000
New Mexico Department of Health
Locum Tenens Program Physician, PA and NP Services Turquoise Lodge $10,000
Sheila Hickey
Health Resources and Services Administration
Scholarship for Disadvantaged Students - Continuation - $650,000
Richard Larson
University of New Mexico Foundation
Private Gifts for Research - $6,044,540
Warran Laskey
U.S. Department of Veterans Affairs
Task Order for Funding of the Extension - $430,857
Rodney McNease
Albuquerque Ambulance Services
Opioid Treatments - $25,000
Mark Pedrotty
Taos Clinic for Children and Youth Professional Services Via Telemedicine - Evergreen - $10,000
Jennifer Phillips
First Choice Community Healthcare
Professional Services Agreement $50,000
Aimee Smidt
American Medical Group, Inc.
Tele-Dermatology Services - Evergreen - $15,000
Steven (Bruce) Williams
Truman Health Services
Provider Agreement - Evergreen - $25,000
Truman Health Services
Provider Agreement - Evergreen - $25,000
Truman Health Services
Pharmacy Services - Evergreen - $25,000
Office of the Chancellor

Memory & Aging Center
Gary Rosenberg
National Institute of Neurological Disorders and Stroke
MRI and CSF Biomarkers of White Matter Injury in VCI
$1,064,133

Genentech, Inc.
A Phase 3 Multicenter, Randomized, Double-Blind, Placebo-Controlled, Parallel-Group, Efficacy and Safety Study of Cren外交ibinab in Patients With Probable or Mild Alzheimer’s Disease
$662,835

Brain & Behavioral Health Institute
Richard Larson
Lovejoy Respiratory Research Institute LRR/BGSP Fellowship Agreement
2017 - $16,858

Lovejoy Respiratory Research Institute LRR/BGSP Admin Support Agreement 2017 - $4,737

Center for Infectious Disease & Immunity
Thomas Byrd
National Institute of Allergy and Infectious Diseases
A Mouse Model of Mycobacterium Abrisus Lung Infection That Mimics Human Disease - $75,750

Michelle Ozburn
National Institute of Allergy and Infectious Diseases
Biology of Infectious Disease and Inflammation - $133,180

Terry Wu
Sandia National Laboratories
NanoCPR Grand Challenge Year 2 - $249,071

Defense Threat Reduction Agency Evaluation of Subunit Tumorifera Vaccines in Rat & Non-Human Primate Aerosol Infection Models - Non-Specific Supplement - $154,919

Institute for Resilience, Health & Justice
Richard Larson
New Mexico VA Health Care System Veterinary Services for the New Mexico Veterans Affairs Health Care System - $28,176

Clinical & Translational Science Center
Matthew Campen
National Center for Advancing Translational Sciences
UNM Clinical and Translational Science Center K24 - Year 4 - $331,510

Darrell Dinwiddie
University of Arkansas
Molecular Epidemiology and Transmission - $24,500

University of New Mexico
Institutional Review Board - $14,377

Bill Shuttleworth
San Juan Regional Medical Center
White Matter Hyperintensor Novel Model of MMP-Mediated Inflammation - SfHRSP - $331,406

Office of the Executive Vice Chancellor

Alphabetlon
National Heart, Lung, and Blood Institute
SUCCESS: Adjuvants Committed to Improvement of Nutrition & Physical Activity - $747,184

Richard Larson
National Center for Advancing Translational Sciences
UNM Clinical and Translational Science Center U1 - Year 4 - $3,750,798

Richard Larson
National Center for Advancing Translational Sciences
UNM Clinical and Translational Science Center U1 - $381,422

University of Nevada, Las Vegas
Clinical and Translational Research Infrastructure Program
CRESCENCO - $282,161

University of Pittsburgh
NCATS/AAIC Clinical Trials
Project - $113,625

University of Nevada, Las Vegas
Clinical and Translational Research Infrastructure Program - CRESCENCO - $706,549

University of Nevada, Las Vegas
Clinical and Translational Research Infrastructure Program - CRESCENCO - $14,297

Gloria Dixon
University of Colorado Denver
CO-APX Collaborative Advanced-Psychiatric Education Exchange - $195,916

Amy Levi
Anonymous Sponsor
Creating a Unified Sexual and Reproductive Health Nursing Organization - $62,439

Judy Lissend
Indian Health Service
Success in Nursing for Native Americans Through Collaboration - $337,225

New Mexico Board of Nursing
New Mexico Nursing Education Statewide Planning - $13,575

Janice Martin
City of Albuquerque
Geriatric Education & Health Maintenance Clinic - BAA - $670,000

First Nations Community Healthsource, Inc.
First Nations Community Healthsource, Inc. - $62,403

El Centro Family Health
El Centro Family Health - Heidi Rogers - $59,721

Mountain Spirit Integrative Medicine
Mountain Spirit - Heidi Rogers - $59,720

Hengameh Raissi
Duke University
Pharmaceuticals of Understudied Drugs Administered to Children Per Standard of Care - $30,000

Bill Shuttleworth
San Juan Regional Medical Center
Sando Project - Pin Yang EPR - $5,000

College of Nursing

Jane Chung
University of California, Davis
Sensor-Based Mobility Assessment of Older Latinos With Dementia - $14,000

Kim Cox
Jonas Center for Nursing Excellence
Jonas Veterans Healthcare Scholars - $10,000

American Psychiatric Nurses Association Exploring Perspectives of Medication-Assisted Therapy - $3,927

Sharon Ruyak
Bureau of Health Resources Development
Nurse Faculty Loan Program - $95,536

Joe Anderson
New Mexico Department of Health
BAA/Heart Disease and Stroke Prevention Program Health Systems Intervention Project - $52,660

New Mexico Department of Health
BAA/Heart Disease and Stroke Prevention Program Health Systems Intervention Project - $28,395

New Mexico Pharmacists Association
Continuing Education Course "Physical Assessment for the Pharmacist Clinician" - $4,739

Ladmiia Bakhireva
National Institutes of Health
Epigenetic Markers for Neonatal Abstinence Syndrome: Mechanistic Insights From an Established Birth Cohort - $27,949

University of California, San Diego
Organization of Teratology Information Specialists Research Network - $12,800

Barry Beske
Bristol-Myers Squibb
Pharmaceutical-Based Population Health Model for the Detection of Silent Atrial Fibrillation - $125,822

University of Michigan
Genetic Determinants of ACEI Prodrug Activation - $26,246

Presbyterian Healthcare Services
Presbyterian Healthcare Services FY18 - $31,363

Carolyn Montoya
Bureau of Health Workforce
Advancing Nursing Education Workforce - Continuation - $473,970

Bureau of Health Workforce
UNM College of Nursing ANEW Project - Non-Specific Supplement - $105,391

Mark Parish
Bureau of Health Resources Development
Nurse Faculty Loan Program - Evergreen - $43,138

College of Pharmacy

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UNM HEALTH SCIENCES CENTER RESEARCH ANNUAL REPORT 2018

UNM HEALTH SCIENCES CENTER 2018 / CONTRACTS AND GRANTS 29
National Institute of Diabetes and Digestive and Kidney Diseases
The Role of Adiponectin in Regulating Type 2 Inflammatory Lymphoid Cells and Browning of Fat
$340,875

Martina Rosenberg
Association of American Medical Colleges First-Generation Students
$4,347

Xiang Xue
American Cancer Society
The Role of Mitochondrial Iron Homeostasis in Colorectal Cancer
$792,000

National Institute of Diabetes and Digestive and Kidney Diseases
Targeting Mitochondrial Iron Metabolism in Inflammatory Bowel Disease
$76,370

National Institute of Diabetes and Digestive and Kidney Diseases
Targeting Mitochondrial Iron Metabolism in Inflammatory Bowel Disease
$996

Cell Biology & Physiology

Laura Gonzalez-Bosc
Department of the Navy Cardiorenal Physiological Phenotyping Equipment Core
$1,040,733

Department of the Navy Biomarkers of Hypoxia Exposure
$150,000

Department of the Navy Biomarkers of Hypoxia Exposure
$67,608

Helen Hathaway
Army Medical Research Acquisition Activity
The Role of P53 Synthetic Lethality in Increased Chemoresistance to DNA-Damaging Agents Conferred by the Exercise Myokine Irisin
$568,125

National Cancer Institute
Is Tumor-Adherent Histologically Normal Tissue Primed for Tumorigenesis?
$346,556

University of Texas at El Paso
BUILDING SCHOLARS - Continuation
$54,082

Nikki Jernigan
American Heart Association
Metabolic Dysfunction in Pulmonary Hypertension
$300,000

Nancy Kanagy
National Heart, Lung, and Blood Institute
Hydrogen Sulfide Regulation of Vascular Tone and Blood Pressure
$371,175

National Heart, Lung, and Blood Institute
Hydrogen Sulfide Regulation of Vascular Tone and Blood Pressure - Non-Specific Supplement
$7,575

Nora Perrone-Bizzozero
National Cancer Institute
Cotid-Inducible RNA-Binding Protein Links Inflammation and Breast Cancer - Continuation
$33,287

National Cancer Institute
Cotid-Inducible RNA-Binding Protein Links Inflammation and Breast Cancer
$468

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

National Institutes of Health
Minority Institutional Research Training Program (T32)
$275,433

New Mexico Correctional Department
New Mexico Department of Corrections - Health Care Services
$271,158

American Institutes for Research
AIR Medication-Assisted Treatment
$145,224

American Field Epidemiology Network
CDC Africa ECHO Partnership
$150,000

Northwest Portland Area Indian Health Board
Indian Health Services TeleECHO Clinic Support
$100,000

Tanzania Health Promotion Support
Leveraging the ECHO Model to Improve Lab Services in Tanzania
$100,000

Albuquerque Area Indian Health Board, Inc.
Leveraging Project ECHO for a Comprehensive Approach to Health and Wellness in Indian Country
$94,300

University of Florida
ECHO/Florida/Teradol TID Partnership
Seattle Indian Health Board
Project ECHO Supporting the Enhanced Implementation of Health and Wellness - Continuation
$75,000

African Society for Laboratory Medicine
ECHO Institute Collaboration With the African Society for Laboratory Medicine
$60,000

New Mexico Department of Health
New Mexico - Tuberculosis Project ECHO w/BA
$50,000

New Mexico Department of Health
Border Health MDR TB and Tuberculosis Services
$45,000

City of Albuquerque
Bloomberg CASR Public Safety Planning Project
$44,000

Health Research, Inc.
ECHO Partnership for Quality Improvement Innovations in HIV Care
$31,500

University of North Carolina Medical School at Chapel Hill
UNC Medication-Assisted Treatment
$30,597

JBS International, Inc.
FAME Extension
$29,500

National Council for Behavioral Health
Project ECHO Partnership With NEMOM and the National Council for Behavioral Health
$27,305

Casa Western Reserve University
ECHO Institute Partnership With Casa Western CVOC
$20,000

New Mexico Department of Health
Sponsorship for New Mexico AETC National Association of Chronic Disease Directors
$20,000

Speaker's Fee for 2017 CDC National Cancer Conference
$1,000

Emergency Medicine

Robert Alunday
University of California, Los Angeles
Established Status Epilepticus Treatment Trials Phase 2
$43,103

Justin Baca
Fujirebio Diagnostics
TIV-116: A Blood Collection From Patients Presenting With Suspected New or Exacerbated Heart Failure
$129,897

Avisio Pharma, Inc.
C-Urea Breath Test for the Detection of Urea-Producing Bacteria in Patients Diagnosed With Pneumonia - Continuation
$42,462

Sanda National Laboratories
On-Body Transdermal Microneedle-Based Diagnostic Device to Measure Biomarker Signatures and Report on Human Performance
$39,996

Sanda National Laboratories
Optimization of Microneedles for Intrastitial Fluid Extraction in Rats
$24,990

Avisio Pharma, Inc.
C-Urea Breath Test for the Detection of Urease-Producing Bacteria in Patients Diagnosed With Pneumonia
$14,872

Laura Banks
New Mexico Transportation Department
Pedestrian Safety Initiative FY18
$300,000

New Mexico Department of Health
Hospital and Health Systems Preparedness
$99,698

New Mexico Transportation Department
Pedestrian Safety Initiative
$86,518

New Mexico Department of Health
Hospital and Health Systems Preparedness - Specific Supplement
$21,000

Safe Kids Worldwide
Sediks Will This Way
$500

Darren Braude
Department of the Air Force
UNH Educational Service Agreement - Continuation
$518,760

Department of the Air Force
UNH Educational Service Agreement
$352,080

Department of the Air Force
UNH Educational Service Agreement
$26,060

Gypsum Medical Associates of New Mexico, P.C., Medical Directorship/Professional Services
$78,120

New Mexico Public Safety Department
Medical Director for TEMS
$55,000

Department of the Air Force
UNM Educational Service Agreement
$48,000

City of Rio Rancho
Medical Direct Services
$37,200

Department of the Air Force
UNM Educational Service Agreement
$36,000

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

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

City of Rio Rancho
Professional Services
$10,500

Los Alamos National Laboratory
First Responder Training Course
$6,402

Village of Angel Fire
Medical Directorship
$6,000

City of Rio Rancho
Professional Services Agreement
$5,000

City of Rio Rancho
Professional Services Agreement
$5,000

Department of the Air Force
CE Package Course
$3,610

Department of the Air Force
2018 CE Package Course
$2,565

Joy Cook
New Mexico Department of Health
New Mexico Statewide EMS Project
$50,000

Jon (Kenneth) Fehling
Sandia National Laboratories
Rim to Rim 2016
$60,000
Robert Sapien
Office of Rural Health Policy
High-Risk Rural Children Telehealth Network Grant Program - Continuation $325,000
Health Resources and Services Administration
Child Ready: Expanding a Novel Community Self-Assessment Approach to Regionalization $200,000
University of Arizona
EMSC: Pediatric Emergency Care Applied Research Network Phase 3 $16,482
Health Resources and Services Administration
EMS for Children State Partnership Grant $74,789

Antoinette Benton
New Mexico Department of Health
Transdisciplinary Evaluation and Support Clinic $494,268
Failing Colors Corporation
Pre-Administration Screening and Resident Review $191,400
Failing Colors Corporation
Pre-Administration Screening and Resident Review - FY 19 $185,304
Failing Colors Corporation
Pre-Administration Screening and Resident Review - Specific Supplement $127,000

Laura Chambers-Kersh
University of California, San Francisco Mozambique Family Medicine Project Position $13,716

Jennifer Hettema
Public Health Service
Prevention of Teen Pregnancy Through Screening and Brief Intervention in Primary Care - Continuation $1,000,000

Arthur Kaufman
Bernalillo County
Adverse Childhood Experiences $998,928
University of Colorado
Southwest Health Extension Partnership to Enhance Research Dissemination $672,527
University of Colorado
Southwest Health Extension Partnership to Enhance Research Dissemination $461,908
New Mexico Human Services Department
Community Health Worker Medicaid Pilot Project $300,000
Presbyterian Healthcare Services
Presbyterian Healthcare Contract for Services $217,516

Sarah Lathrop
New Mexico Department of Health
New Mexico Emerging Infections Program - Continuation FY18 $816,127
New Mexico Department of Health
New Mexico Emerging Infections Program $419,165

Lawrence Leeman
Anonymous Non-Profit Foundation
Early Training at UNM FY18 $31,560

Orrin Myers
U.S. National Park Service
Statistical Analyses of Restoration Monitoring Programs in the Jemez Mountains of Northern New Mexico $19,445

Janet Page-Reeves
ElValle Evaluation Services $75,000

Tassy Parker
University of Colorado Denver
Collaborative Hubs to Reduce the Burden of Suicide Among American Indian & Alaska Native Youth $342,404

Marlene Ballejos
Association of American Medical Colleges
AAMC Funding $5,000

University of Colorado Health Sciences Center
Center for American Indian and Alaska Native Health Disparities $29,682
Washington State University
Native-Controlling Hypertension and Risks Through Technology $3,889

David Rakel
Bernalillo County Juvenile Detention Center
Professional Services Agreement $316,973
First Choice Community Healthcare
Professional Service Agreement $30,160
Presbyterian Medical Services
Professional Services $25,200

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

Helene Silverblatt
Bureau of Health Workforce Area Health Education Centers Program $339,000
Bureau of Health Workforce Area Health Education Centers Program - Specific Supplement $16,734

Andrew Sussman
Society of Family Planning
Applying the ECHO Model to Reproductive Health in El Salvador $137,992

Nathania Tosse
Notah Begay III Foundation
Training and Technical Assistance to the Notah Begay III Foundation's Native Strong Program $5,000

Sherry Weitzen
University of Nevada, Las Vegas
Identifying Predictors of Neonatal Abstinence Syndrome Towards Developing a Risk Score Model $58,130

Robert Williams
Health Resources and Services Administration
Transforming Primary Care in Under-Served Communities - Continuation $249,998
Virginia Commonwealth University
Implementing Personal Health Records to Promote Evidence-Based Cancer Screening - Continuation $124,895
National Institute of Diabetes and Digestive and Kidney Diseases
Regulation of Intestinal Paracellular Permeability
Lissa Marr
Southcentral Foundation
$2,100

Lana Melendres-Groves
United Therapeutics Corporation
Phase 1 Clinical Trial: Inhaled Thrombostatin in Subjects With Pulmonary Hypertension (27) - Specific Supplement
$64,338

Liquidi Technologies
Protocol CTI-301: A Phase 3 Open-Label Multicenter Study to Evaluate the Long-Term Safety and Tolerability of Inhaled LU1011 (Thrombostatin) in Pulmonary Arterial Hypertension (WHO Group I) Patients
$51,014

Actelion Pharmaceuticals, Ltd.
TRITON: The Efficacy and Safety of Initial Triple Versus Initial Dual Oral Combination Therapy in Patients With Newly Diagnosed Pulmonary Arterial Hypertension $31,325

Actelion Clinical Research, Inc.
Protocol AC-065-402: Upralav (Sparsimp): The Users Drug Registry
$79,098

Pharmaceutical Research Association.
Protocol AC-055-510: U.S.-Based Observational Drug Registry of Omapatrilat (Maculian) New Users in Clinical Practice
$19,098

Gregory Mertz
Metabolica
Prevalence of Cerebral Artery Hemorrhagic Fever Virus and Hantaviruses in Ukraine and the Potential Requirement for Differential Diagnosis of Suspect Leptospirosis Patients
$40,992

Larissa Myaskovsky
University of Pittsburgh
Increasing Equity in Transplant Evaluation and Living Donor Kidney Transplantation - Pittsburgh
$86,785

University of Pittsburgh
Cardiac Resynchronization in the Elderly: Pilot Pacing vs. Defibrillator Therapy - Continuation
$14,845

University of Pittsburgh
Improving the Availability of Younger Unrelated Hematopoietic Stem Cell Donors - Continuation
$9,272

University of Pittsburgh
Improving the Availability of Younger Unrelated Hematopoietic Stem Cell Donors
$7,613

University of Pittsburgh
Cardiac Resynchronization in the Elderly: Pilot Pacing vs. Defibrillator Therapy
$7,321

Stuart Nelson
Dialysis Clinic, Inc.
Developing a Knowledge Management Tool for Kidney Disease
$342,373

Prashant Nighot
National Institutes of Health
Regulation of Intestinal Tissue Junction Barrier and Inflammation by Autophagy
$365,835

National Institutes of Health
Role of the Cholide Channel ClC-2 in Intestinal Tissue Junction Barrier Recovery
$147,916

Tudor Oprea
National Institutes of Health
Knowledge Management Center for Illuminating the Drugable Genome
$1,013,500

National Cancer Institute
Illuminating the Drugable Genome - The Knowledge Management Center
$368,000

University of North Carolina
The Integration of Trans-Omics for Precision Medicine and Other Heart, Lung, Blood and Sleep Data Sets with the Data Commons
$163,310

University of Gothenburg
Visiting Professorship Agreement
$91,509

University of North Carolina
A Collaboration for the Data Commons
$87,936

Rosalind Franklin University of Medicine and Science
Ligand Specificity in Human Glucose Transporters - Houston
$67,278

Kimberly Page
National Institute on Drug Abuse
Acute Hepatitis C Infection in Young Injectors
$1,358,160

Upstate Affiliate Organization
Patient-Centered Models of Hepatitis C Care for People Who Inject Drugs
$554,769

University of California, San Francisco
Sexually Transmitted Infections Clinical Trials Group - Continuation
$81,085

University of California, San Francisco
Sexually Transmitted Infections Clinical Trials Group
$14,297

Montefiore Medical Center
Patient-Centered Models of HCV Care for People Who Inject Drugs - Gilead Supplement
$12,914

Vernon Pankratz
Dialysis Clinic, Inc.
Professional Services Agreement - Biotostatistic Services
$46,776

Gulsahn Parasher
U.S. Department of Veterans Affairs Medical Center
IPA - Karol Dokladny
$40,754

U.S. Department of Veterans Affairs Medical Center
IPA - Meghan Nighting
$32,857

U.S. Department of Veterans Affairs Medical Center
IPA - Nommert Rawat
$29,915

Douglas Perkins
National Institute of Allergy and Infectious Diseases
Defining the Immunization and Immunity Transcriptome in Severe Malnutrition Anemia for Immunotherapeutic Discovery
$737,748

John E. Fogarty International Center for Advanced Study in the Health Sciences Training and Research on Severe Malnutrition Anemia
$270,207

John E. Fogarty International Center for Advanced Study in the Health Sciences
Training and Research on Severe Malnutrition Anemia
$268,226

Harvard School of Public Health
Fogarty Global Health Training Fellowship Program
$14,912
Peter Jeppson
MedStar Health Research Institute, Inc.
Protocol: Treatment of Refractory Overactive Bladder With Onabotulinumtoxin a vs. PNTS $750

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

Brenda Pereda
Society of Family Planning
WH ECHO - El Salvador $25,000

Office of the Medical Investigator
Heather Jarrell
National Institute of Justice
Evaluation of Hipocritico Pelvic Blunt Head Injury $598,631

Hannah Kasnbaum
New Mexico Public Safety Department
2017-2018 Paul Coverdell TDO $31,290
New Mexico Department of Health
New Mexico Violent Death Reporting System FY18 $5,275
The Forensic Sciences Foundation, Inc.
Validation of a Urine Drug Screen Assay in the Postmortem Setting $1,000

Sarah Lathrop
New Mexico Department of Health
Opioid Mortality Surveillance (Increase funding Y2 Y3) $67,089

Kurt Noltle
Bureau of Indian Affairs
Autopsy Services $226,768
New Mexico High-Intensity Drug Trafficking Areas Program
Promote the Collaboration of Public Health and Public Safety $125,000
U.S. Department of Veterans Affairs
VA Non-Forensic Autopsy Service $29,149

Eastern New Mexico Medical Center
FY16 Autopsy Services $25,000
Eastern New Mexico Medical Center
FY16 Autopsy Services $25,000

Eastern New Mexico Medical Center
FY18 Autopsy Services $25,000
U.S. Attorney’s Office
FY18 Expert Witness Agreements $15,000
Lori Proe
New Mexico Crime Victims Reparation Commission
OMI Grief Services Federal $104,643
New Mexico Department of Health
FY18 New Mexico Sudden Unexpected Infant Death $23,210
Veena Singh
New Mexico Department of Health
FY18 Infectious Disease (Public Health Preparedness & Response for Bioterrorism) $40,000

Orthopedics
Marybeth Barkocy
University of Oklahoma
BAA-Special Education Research and Innovation to Improve Services and Results - Continuation $4,120
Thomas Decoster
DePuy Orthopaedics, Inc.
Synthes Depuy Trauma fellow Travel $1,956
Synthes, Inc.
2018 OTA Fellow’s Course $1,648
Rick Gehlert
BoneSupport
Clinical Trial of CERAMENT As Part of Surgical Repair of Open Diaphyseal Tibial Fractures $155,190

Dustin Richter
Aesclup Biologics
A Phase 3 Prospective, Randomized, Partially Blinded Multi-Center Study to Measure the Safety and Efficacy of NOVOCAPR™ 3D Compared to Micrograft in the Treatment of Articular Cartilage Defects $271,475

Pathology
Alexandre Chigaev
Gilead Sciences Inc.
Gilead Sciences Inc. Agreement - Continuation $1,000

Douglas Clark
TriCore Reference Laboratories
Medical Director and Professional Services $605,803
New Mexico Human Services Department
New Mexico HSD With BAA $90,000
Rector, Dickinson and Company
Cytology-Fee POC Cervical Cancer Diagnostics for Global Health $7,387

Kendall Crookston
Blood Systems Foundation
Transfusion Medicine Fellowship $100,116

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

Christina Salas
New Mexico Institute of Mining & Technology
3D Hard Surface Funding From New Mexico Tech $5,076
American Foundation for Surgery of the Hand
Hybrid 3D Blasplaining / Electrosurgery $5,000

Robert Schenck
University of Pittsburgh
Surgical Timing and Rehabilitation for Multiple-Ligament Knee Injuries: A Multicenter Integrated Clinical Trial $15,859

Gehron Treme
Strayer Orthopaedics
Strayer Educational Grant OTA $9,807
Medical Device Business Services, Inc.
DePuy Synthes AO Tution/travel Grant Course $4,000
Strayer Orthopaedics
Strayer Educational Grant $2,029
Strayer Orthopaedics
Strayer Travel Grant AAMS $1,575

Danian Wascher
Smith & Nephew, Inc.
Orthopeds Sports Fellowship $12,000

Samuel Reynolds
TriCore Reference Laboratories
PSA TriCore/Roch/HPV $7,643
TriCore Reference Laboratories
PSA TriCore/Roch_revised $568

Larry Sklar
University of Miami
illuminating the Exome Genome Resource Dissemination and Outreach Center $255,000
Gilead Sciences
Evaluation of Novel Probes $80,965
Gilead Sciences
Gilead Sciences Inc. Sponsor Agreement - Continuation $2,000

Mara Steinkamp
Phi Beta Psi Charity Trust
Preclinical Testing of Anti-erb2b2 Therapies to Target Ovarian Cancer Spheroids $58,333

Angela Wandscher-Ness
National Institute of General Medical Sciences
Academic Science Education and Research Training $873,496
National Institutes of Health
Ketorolac and Related Napsos for Targeting Rho-Family GTPases in Ovarian Cancer $272,700
National Center for Advancing Translational Sciences
Ketorolac and Related Napsos for Targeting Rho-Family GTPases in Ovarian Cancer $130,300

Cosette Wheeler
National Institute of Allergy and Infectious Diseases
Epidemiology and Prevention Interdisciplinary Center for Sexually Transmitted Infections - Continuation $2,319,395
Roche Molecular Systems, Inc.
Automated HPV Genotyping $4,620

Stephen Young
DNA Electronics
Protocol 22-0001-01; Sample Acquisition Study to Evaluate the DNA Electronics Inc Pathogen Capture System and DNAe Group Holdings Genalysis System (CUDA: Bloodstream Infection Test) $129,590

Shirley Abraham
Oregon Health & Science University
Regional Hemophilia Network-Mountain States $34,250
Oregon Health & Science University
Community Counts $24,062
Oregon Health & Science University
Community Counts $22,858
American Thorax and Hemostasis
Network $17,500

Tanya Baker-McCue
New Mexico Division of Vocational Rehabilitation
DVR Project Search $500,000
New Mexico Division of Vocational Rehabilitation
DVR 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 $20,000

Kirsten Bennett
Alliance for Early Success
Early Success-New Mexico $30,500
Symserve
HealthViz Database Improvement $17,656
Molina Healthcare of New Mexico
Funding to Decrease Unnecessary Infant Transports for Infants With Confirmed Prenatal Opistate Exposure $10,000

Sophie Bertrand
New Mexico Children, Youth & Family Department
HVT Training, Consultation, Level 2, ELG and RFT Focus $2,026,258
New Mexico Developmental Disabilities Planning Council
DDPC Early Childhood Project $5,000

Koh Boasue
St. Baldrick’s Foundation
St. Baldrick’s Infrastructure Development Grant $60,000
Children’s Hospital of Philadelphia
Clinical Trial Phase 2 $20,000
Laura Caffey
New Mexico Department of Health
Summer Asthma Institute Project $4,774

Anthony Cahill
Maternal and Child Health Bureau
New Mexico Perinatal and Infant Oral Health Quality Improvement Project $249,687

American Association on Health & Disability Project Accessibility USA: Health Promotion for Women With Disabilities $2,700

American Association on Health & Disability Project Accessibility USA: Health Promotion for Women With Disabilities - Continuation $2,000

Glenda Canaca
New Mexico Human Services Department
Social Marketing $431,070

Ricardo Castillo
Nutriña
Efficacy and Safety of NTRA-962 in Infants With Short Bowel Syndrome Following Surgical Resection $2,500

Loretta Cordova de Ortega
Bernalillo County Professional Service Agreement $600,000

Ben Archer Health Center, Inc.
Professional Services $25,000

Mountain View Regional Medical Center Pediatric Cardiac Studies (Auto-Renewal) $25,000

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

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

Thornburg Foundation
Implementing Systems Strategies for Increasing Home Visiting Referrals $75,000

Presbyterian Healthcare Services
REACH Evaluation $65,000

Crowpoint Healthcare Facility
MSPI Evaluation $18,000

New Mexico Department of Health
Safe Sleep $10,000

Presbyterian Healthcare Services
Mobile Food Market $10,000

Lea Davies
New Mexico Health Resources and Services Administration
New Mexico Pediatric Pulmonary Center - Continuation $340,000

Health Resources and Services Administration
New Mexico Pediatric Pulmonary Center $288,602

Cystic Fibrosis Foundation
Cystic Fibrosis Center of New Mexico - CF Registry $125,720

Cystic Fibrosis Foundation
Cystic Fibrosis Center of New Mexico - CF Registry $64,060

Centers for Disease Control and Prevention
Research Center Core & Village Interventions and Venues for Activity II $386,101

Centers for Disease Control and Prevention
Research Prevention Center Core & Village Interventions and Venues for Activity II $347,899

New Mexico Health Resources and Services Administration
Implementing Evidence-Based Recommendations in Community Projects $10,128

Tara Lynn DuPont
New Mexico Department of Health
Developmental Care Continuity Program - Fee for Service $118,000

New Mexico Department of Health
Developmental Care Continuity Program $70,640

Sandra Heimerl
Association of University Centers on Disabilities
Focused Assistance to Support Training Project $8,000

New Mexico Developmental Disabilities Planning Council
New Mexico LEND Legislative Advocacy Workshop $2,500

Andrew Hsi
New Mexico Department of Health
DDSD FIT (FOCUS) $66,000

New Mexico Department of Health
DDSD FIT (FOCUS) $20,000

Lauren Jantz
National Institutes of Health
Placental-Mediated Mechanisms of Perinatal Brain Injury $378,750

American Heart Association
Neural Immune Dysregulation in Perinatal Hypoxia-Ischemia $77,000

Elizabeth Yakes Jimenez
Academy of Nutrition and Dietetics
Position of Director of the Dietitians Practice-Based Research Network $80,400

Patricia Keane
New Mexico Human Services Department
CHILE Plus $344,070

Alberta Kong
New Mexico Department of Health
The Newborn Hearing Screening Program Quality Improvement $60,000

New Mexico Department of Health
ECEP-MOA $30,000

New Mexico Department of Health
Piloting Effectiveness of the Late Literacy Pictorial Asthma Action Plan $25,320

Atulico, Management Services
Medical Services Provided at Albuquerque Job Corps Center W/ BAA $19,344

United Healthcare of New Mexico, Inc.
Optimizing Care for Neobornas With Optimal Withdrawal Syndrome Initiative $10,000

Tara Lynn DuPont
New Mexico Department of Health
Developmental Care Continuity Program - Fee for Service $118,000

New Mexico Department of Health
Developmental Care Continuity Program $70,640

Sandra Heimerl
Association of University Centers on Disabilities
Focused Assistance to Support Training Project $8,000

New Mexico Developmental Disabilities Planning Council
New Mexico LEND Legislative Advocacy Workshop $2,500

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DDSD FIT (FOCUS) $66,000

New Mexico Department of Health
DDSD FIT (FOCUS) $20,000

Lauren Jantz
National Institutes of Health
Placental-Mediated Mechanisms of Perinatal Brain Injury $378,750

American Heart Association
Neural Immune Dysregulation in Perinatal Hypoxia-Ischemia $77,000

Elizabeth Yakes Jimenez
Academy of Nutrition and Dietetics
Position of Director of the Dietitians Practice-Based Research Network $80,400

Patricia Keane
New Mexico Human Services Department
CHILE Plus $344,070

Alberta Kong
New Mexico Department of Health
The Newborn Hearing Screening Program Quality Improvement $60,000

New Mexico Department of Health
ECEP-MOA $30,000

New Mexico Department of Health
Piloting Effectiveness of the Late Literacy Pictorial Asthma Action Plan $25,320

Atulico, Management Services
Medical Services Provided at Albuquerque Job Corps Center W/ BAA $19,344

United Healthcare of New Mexico, Inc.
Optimizing Care for Neobornas With Optimal Withdrawal Syndrome Initiative $10,000

New Mexico Highlands University
Envision New Mexico Adolescent Health Social Work Workforce Training Initiative $6,700

John Kuttesch
Children’s Hospital of Philadelphia
St. Baldrick’s Foundation Support: Health Effects After Anthracycline and Radiation Therapy - Desoxasone and Prevention of Anthracycline-Related Cardiomyopathy (CALITC2 - Study) $75,350

Children’s Hospital of Philadelphia
Health Effects After Anthracycline and Radiation Therapy - Desoxasone and Prevention of Anthracycline-Related Cardiomyopathy (CALITC2 - Study) $11,510

Children’s Hospital of Philadelphia
EXPERIENCE (APC480) PCR - CGH Foundation $10,000

Children’s Hospital of Philadelphia
Per Case Reimbursement Clinical Rider-industry Work Order: PH II, PH-ALL - Specific Supplement $9,600

Children’s Hospital of Philadelphia
Pediatric Hospitalist Program: ANTH101; Clinical Study Agreement (F. Hoffman-la Roche) - Specific Supplement $7,000

Children’s Hospital of Philadelphia
Clinical Trial - Non-Industry - Specific Supplement $5,000

Children’s Hospital of Philadelphia
Clinical Study Protocol AAL-01434 - Novartis Pharmaceuticals Corporation (Industry) $5,000

Children’s Hospital of Philadelphia
Clinical Trial Phase 3 - Industry Flow Through Non-Profit $4,500

Children’s Hospital of Philadelphia
Clinical Trial Phase 3 - Federal Flow Through Non-Profit $4,000

Jean Lowe
University of California, San Francisco
High-Dose Erythropoietin for Aspiration and Empoliposil Project $18,030

University of Washington
Premature (Pre) Necrotizing Triad CIV (Cephalo) $11,513

University of California, San Francisco
High-Dose Erythropoietin for Aspiration and Empoliposil Project - Continuation $3,030

Jodi Mayfield
New Mexico Department of Health
Camp Enchantment 2018 & 2019 $37,980

Jane McGrath
J.P. Maddox Foundation
LARC Mentoring Program $150,000

Brindle Foundation
LARC Mentoring Program $50,000

Thornburg Foundation
LARC Mentoring Program $50,000

Apex Education
STD Screening and Assessment Tools for an Adolescent Population $50,000

Marcia Moraita
New Mexico Department of Health
Autism Programs $2,764,040

New Mexico Human Services Department
Improving Quality (75/25 & 50/50) Medicaid Match! Supporting Child Development Thru Evidence-Based Practices (FY18) $2,000,000

New Mexico Children, Youth & Family Department
AACA Nurse Family Partnership $1,886,532

New Mexico Department of Health
Early Childhood Education Program $1,239,750

Administration for Community Living
University Center for Excellence in Developmental Disabilities - Continuation $570,000

Administration for Community Living
University Center for Excellence in Developmental Disabilities - Continuation $570,000

New Mexico Department of Health
Childcare Services Evaluation Project $60,000

Falling Colors Corporation
Infant Mental Health Program $70,000

New Mexico Department of Health
Children’s Medical Services Evaluation Project $60,000

Falling Colors Corporation
Infant Mental Health Program $70,000

Sylvia Negrete
Kohl’s Cares LLC
Kohl’s Care Hospital Program $100,000

Rhythm Pharmaceuticals Protocol RM4903C: Genetic Testing of Severely Obese Pediatric and Adult Volunteers $38,400

New Mexico Department of Health
Autism Programs - Specific Supplement FY18 $20,000

New Mexico Children, Youth & Family Department
Infant Mental Health Team $300,000

Falling Colors Corporation
Early Childhood Infrastructure Development (FY18) $215,471

New Mexico Department of Health
New Mexico Human Services Community-Based Services Statewide Transition Plan Project $175,000

New Mexico Department of Health
DDSD Statewide Database $171,607

New Mexico Department of Health
BAX/Project SET $106,191

New Mexico Department of Health
Infanted Child Health $100,000

Falling Colors Corporation
Infant-Parent Psychotherapy (FY18) - BAX $93,000

New Mexico Department of Health
Medically Fragile Case Management $76,000

New Mexico Department of Health
Early Childhood Education Program $73,437

Falling Colors Corporation
Infant Mental Health Community of Practice $70,000

New Mexico Department of Health
Children’s Medical Services Evaluation Project $60,000

Falling Colors Corporation
Infant-Parent Psychotherapy (FY18) Supplement - BAX $20,000

New Mexico Department of Health
Autism Programs - Specific Supplement FY18 $20,000

Sylvia Negrete
Kohl’s Cares LLC
Kohl’s Care Hospital Program $100,000

Rhythm Pharmaceuticals Protocol RM4903C: Genetic Testing of Severely Obese Pediatric and Adult Volunteers $38,400
Robin Ohls  
National Heart, Lung, and Blood Institute  
GABRE - Continuation  
$45,223  
University of Washington  
Preterm Erythropoietin Neutropenia Protection  
$32,966  
University of Washington  
Preterm Epo Neutropenia Trial Capitation for Year 3  
$6,917  
Pat Osbourn  
New Mexico Public Education Department  
PED Pre-K Consultation  
$653,480  
New Mexico Public Education Department  
PED Pre-K Consultation  
$588,136  
New Mexico Public Education Department  
PED Contract - SET DE PSN  
$580,000  
New Mexico Public Education Department  
FOCUS Preschool Special Education  
$364,425  
New Mexico Public Education Department  
PED Pre-K Rise to the Top Early Learning Challenge (FOCUS QRIS)  
$353,907  
New Mexico Public Education Department  
PED Pre-K Consultation  
$305,220  
U.S. Department of Education  
Project for New Mexico Children Who Are Deaf-Blind  
$100,912  
New Mexico Developmental Disabilities Planning Council  
Partners in Policymaking  
$67,000  
New Mexico Developmental Disabilities Planning Council  
Partners in Policymaking  
$62,000  
Rio Rancho Public Schools  
Rio Rancho Public School Consultations  
$50,768  
Roswell Independent Schools  
Roswell Consultations  
$14,281  
Albuquerque Public Schools  
APS Consultations  
$103,133  
Belen Consolidated Schools  
Belen Consultations  
$10,765  
Aztec Municipal School District  
Aztec Consultation  
$7,513  
Bernalillo Public Schools  
Bernalillo Consultations w/ BAA  
$6,250  
Bernalillo Public Schools  
Bernalillo Consultations  
$6,250  
Moabity-Edgewood Consultations  
Moabity Consultations  
$5,664  
Silver Consolidated Schools  
Silver Consolidated Schools Consultations - Continuation  
$4,976  
Lucille Papile  
Stanford University  
The WISER Study  
$11,986  
Linda Penaloza  
New Mexico Department of Health  
YRIS - Non-Specific Supplement  
$330,000  
New Mexico Public Education Department  
PED Evaluation  
$82,482  
New Mexico Department of Health  
YRIS  
$62,700  
New Mexico Public Education Department  
PED Evaluation - Specific Supplement  
$3,000  
Janet Poole  
Rheumatology Research Foundation  
Rheumatology Foundation Medical & Graduate Student Preceptorship  
$1,000  
Hengameh Raissy  
AstraZeneca Pharmaceuticals, LP  
Protocol D3250C00045: Multicenter, Randomized, Double-Blind, Par of Bernalillo County, Placebo-Controlled, Phase 3a Study to Evaluate the Safety and Efficacy of 10 mg SC in Patients With Severe Asthma Uncontrolled on Standard of Care Treatment  
$51,200  
Celtaxsys  
Clinical Trial Agreement - Phase 2  
$42,320  
Savara Pharmaceutical  
Phase 3, Randomized, Double-Blind, Placebo-Controlled Study of Aurox in Aneurysm, for the Treatment of Persistent Methylcillin-Resistant Staphylococcus Aureus Long Infection in Cystic Fibrosis Patients  
$17,999  
Vertex Pharmaceuticals Incorporated  
A Phase I/II Study of VX-645 in Healthy Subjects and Subjects With Cystic Fibrosis  
$17,999  
Vertex Pharmaceuticals Incorporated  
VX-601: A First-MMAll Observational Study to Evaluate the Long-Term Efficacy and Safety of Orkambi in U.S. Patients Who Completed Study VX-601: 809-325 Part a  
$12,800  
Institute for Advanced Clinical Trials for Children  
1-Act for Children  
$7,500  
University of Utah  
Multicenter Validation of Predictive Spu(m) Biomarkers in CF  
$2,000  
Mary Ramos  
New Mexico Department of Health  
The Healthy Initiatives Hospital Project  
$79,627  
Pacific Institute for Research & Evaluation  
Implementing School Nursing Strategies to Reduce LGBTQ Adolescent Suicide  
$43,681  
New Mexico Department of Health  
Advancing Asthma Care in UNM and School-Based Health Centers Project  
$27,430  
New Mexico Department of Health  
Advancing Asthma Care in UNM and School-Based Health Centers Project - Specific Supplement  
$18,990  
Pacific Institute for Research & Evaluation  
Implementing School Nursing Strategies to Reduce LGBTQ Adolescent Suicide  
$5,000  
Amy Staples  
University of Michigan  
Neighboring Accelerating Cures: Start-Up and Training  
$600  
Leslie Strickler  
New Mexico Department of Health  
Para Los Ninos (New Mexico)  
$352,620  
New Mexico Crime Victims Reparation Commission  
Adolescent Continuity Clinic for Education on Self Safety  
$72,064  
New Mexico Crime Victims Reparation Commission  
Para Los Ninos Wish List  
$10,803  
U.S. Department of Justice  
Expert Witness Contract  
$6,550  
Monique Vallabhan  
Health Resources and Services Administration  
Telehealth Network Grant  
$299,999  
Jennifer Ann Vickers  
New Mexico Department of Health  
BAA/Developmental Disabilities Waiver Outside Review Project  
$1,040,100  
New Mexico Department of Health  
Continuum of Care  
$880,800  
New Mexico Department of Health  
BAA/Developmental Disabilities Waiver - Outside Review Project - Non-Specific Supplement  
$97,158  
New Mexico Department of Health  
Continuum of Care Mortality Review Project  
$52,750  
Kristi Waterton  
Eunice Kennedy Shriver National Institute of Child Health and Human Development  
NICHD Cooperative MultiCenter Neonatal Network - Continuation  
$249,327  
RTI International  
NICHD Neonatal Research Network - Evaluation  
$159,027  
RTI International  
NICHD Cooperative Multicenter Neonatal Network - Work: #U19HL136306 and NIH BD #U24HL12779  
$104,968  
Eunice Kennedy Shriver National Institute of Child Health and Human Development  
NICHD Cooperative MultiCenter Neonatal Network - Non-Specific Supplement  
$27,701  
Craig Wong  
Alavox Pharmaceuticals, Inc.  
Single-Arm Study of ALX1210 in Complement Inhibitor - Treatment-Related Adverse Events in Adult, Adolescent Patients With Atypical Hemolytic Uremic Syndrome  
$25,600  
Quintiles Laboratories  
ALX1210 in Complement Inhibitor Treatment-Related Adult and Adolescent Patients With Atypical Hemolytic Uremic Syndrome  
$25,600  
Prestbyterian Healthcare Services  
On Call Pediatric Nephrology Service  
$25,000  
The Children’s Mercy Hospital  
Chronic Kidney Disease in Children (CKDIII) (Steering Committee)  
$19,266  
Nationwide Children’s Hospital  
Care Glomerulonephropy  
$15,500  
The Children’s Mercy Hospital  
Chronic Kidney Disease in Children (CKDIII) (Clinical)  
$12,000  
Deborah Altschul  
San Felipe Pueblo  
KEYWAH II - Kathiyah Embraces Youth, Wellness, and Hope  
$117,384  
San Felipe Pueblo  
KEYWAH II - Specific Supplement - Kathiyah Embraces Youth, Wellness, and Hope  
$109,000  
WK Kellogg Foundation  
WKKF New Mexico Education Poll  
$67,880  
Taos Pueblo Division of Health and Community Services  
Taos Pueblo Tias Babes Program  
$60,000  
Falling Colors Corporation  
Multi-Site Psychiatric Therapy Data Reporting Initiative  
$31,400  
Jeanne Bereiter  
Falling Colors Corporation  
BHSO New Mexico Suicide Prevention  
$49,183  
Caroline Bonham  
Indian Health Service  
IHS-IAA Tele-Health Behavior Center for Excellence MOU  
$838,250  
New Mexico Behavioral Health Collaborative  
EARLY Clinic - Supplement  
$52,059  
JBS International, Inc.  
JBS Trainings  
$14,000  
Educational & Training Consultants, LLC  
HELping BC-SORES Training  
$2,990  
Juan Bustillo  
Mind Research Network  
ACAM-BAZT-MultiModal Imaging of Neuropsychiatric Disorders: Mechanisms & Biomarkers (COBRE II)  
$320,462  
Elizabeth Yakes Jimenez  
FMI Solutions  
Review of Draft Intake Reference Guide for Quantitative 24-Hour Dietary Intake Surveys and Participation  
$5,072  
Psychiatry & Behavioral Sciences  
Christopher Abbott  
National Institutes of Health  
ECT Current Amplitude and Medial Temporal Lobe Engagement  
$312,052  
Mind Research Network  
Project 5-Aibbbt-Multimodal Imaging of Neuropsychiatric Disorders: Mechanisms & Biomarkers (COBRE II)  
$200,191  
Mind Research Network  
A Multidimensional Approach for Cognitive Control Deficits in Psychopathology  
$34,515  
Janssen Scientific Affairs, LLC  
Clinical Trial Agreement - Phase 3  
$675  
Annette Crisanti  
Falling Colors Corporation  
Reducing Homelessness (NHMR)  
SFY’18  
$259,936  
Falling Colors Corporation  
Reducing Homelessness (NHMR)  
SFY’19  
$65,174  
American Psychological Association  
APS Fellowship - Alamo-Mariano  
$49,484  
Paula Hensley  
INNCO Clinical Outcomes, LLC  
Clinical Trial - Phase 2  
$55,534  
Brian Isakson  
Substance Abuse and Mental Health Services Administration  
ACTION II - Addressing Childhood Trauma Through Intervention, Outreach, and Networking  
$399,999  
Substance Abuse and Mental Health Services Administration  
ACTION II - Addressing Childhood Trauma Through Intervention, Outreach, and Networking  
$399,999  
Substance Abuse and Mental Health Services Administration  
CDPE Primary Care Integration  
$398,778  

Avron Kriechman
New Mexico Department of Health
Alliance-Building for Suicide Prevention and Youth Resilience $600,000

Davim Quinn
U.S. Department of Defense
High-Definition Transcranial Direct Current Stimulation for Sensory Deficits in Complex Traumatic Brain Injury $3,076,212

Julie Salvador
New Mexico Behavioral Health Collaborative
New Mexico State Targeted Response Opioid Initiative - Year 2 $1,450,542
State of New Mexico
New Mexico State Targeted Response Opioid Initiative $920,456
Agency for Healthcare Research and Quality
Innovative Model for Increasing MAT Access $396,955
University of Nevada, Las Vegas
Expansion of MAT for OUD in Rural Primary Care ECHO Model Approach $663,302
New Mexico Children, Youth & Family Department
Community of Care Expansion Grant (CYPD CCG Expansion), With BAA - FY 19 $50,433

Robert Thoma
Mind Research Network
Project 4 - Trans-Medial Imaging of Neuropsychiatric Disorders: Mechanisms & Biomarkers (COBRE II) $53,999
Mind Research Network
Project 4 - Trans-Medial Imaging of Neuropsychiatric Disorders: Mechanisms & Biomarkers (COBRE II) $53,998
Westat
EARY Clin Incr Evaluation by Westat $10,000

Mauricio Tohen
Bernalillo County
Psychiatric Services $84,993
First Choice Community Healthcare
Professional Services $25,000
The Peak at Santa Teresa, Inc.
Professional Services $25,000
Saint John’s Health Center
Medical Director Services $14,976

Ann Waldorf
Falling Colors Corporation
New Mexico Screening, Brief Intervention and Referral to Treatment Supplement $50,000
Falling Colors Corporation
New Mexico Screening, Brief Intervention and Referral to Treatment Supplement $50,000

Karen Hawley
University of Utah
A Randomized Trial to Determine the Role of Volcanogcin in Asymptomatic Cytomegalovirus Infected Hearing Impaired Infants $405,196
University of Utah
A Randomized Trial to Determine the Role of Volcanogcin in Asymptomatic Cytomegalovirus Infected Hearing Impaired Infants - Specific Supplement $1,845

Christopher Gutjahr
Medtronic
IN PACT AV Access Randomized Study of in-pact AV Access Paclitaxel-Coated Percutaneous Transluminal Angioplasty Balloon vs. Standard PTA for the Treatment of Obstructive Lesions in the Native Arteriovenous Dialysis Fistulae $81,274

Gary Mlday
U.S. Department of Veterans Affairs
Provide Radiological and Nuclear Medicine Diagnostics and Therapy Services for New Mexico VAHSC FY19 $3,050,229
New Mexico Department of Health
BCC Early Detection Program FY19 $107,600
New Mexico Department of Health BCC Early Detection Program - Non-Specific Supplement $30,600

Reed Selwyn
X-Ray Associates of New Mexico
Medical Physician Services $55,000

Arup Das
International Retinal Research Foundation
Role of Pericytes in BRB Alteration in Diabetic Retinopathy $200,000
New Mexico Commission for the Blind
PSA 10-23 FY18 Commission for the Blind - Emergency Eye Care Program $125,000
New Mexico VA Healthcare System
IPA Finny Monocular Swimmers 2018-2019 $53,106
U.S. Department of Veterans Affairs
IPA - Finny Swimmers $13,171

Dusanka Deretic
National Institutes of Health
Rhodopsin Trafficking and Photocytosis Membrane Renewal - Continuation $340,875

National Institutes of Health
Rhodopsin Trafficking and Photocytosis Membrane Renewal - Non-Specific Supplement $37,875

Karen Hawley
University of Utah
A Randomized Trial to Determine the Role of Volcanogcin in Asymptomatic Cytomegalovirus Infected Hearing Impaired Infants $405,196

John Marek
W.L. Gore & Associates
Vascular Surgery Support Program $4,000
W.L. Gore & Associates Vascular Surgery Support Program - Continuation $4,000

Linda Rose
U.S. Attorney’s Office
Expert Witness U.S. Att $18,874
Joaquin Tosi
Genentech, Inc.
Protocol GX22B28: A Phase 2 Study of the Efficacy and Safety of the Ranibizumab Port Delivery System for Sustained Delivery of Ranibizumab in Patients With Subfoveal Neovascular Age-Related Macular Degeneration $678,630

Wendy Hine
New Mexico Department of Health
Provide Services for the Breast and Cervical Cancer Early Detection Program, Screening Services Case Manager Project $85,000

Rodney McNease
City of Albuquerque
Assistive Community Treatment Program $713,330
City of Albuquerque
Assistive Community Treatment Program FY19 $713,300
Bernalillo County
Provide Housing to Homeless in Criminal Justice System $46,137
Indian Health Service
Inpatient Psychiatric Hospital Services to IHS Beneficiaries A4 $25,000

Michael Richards
New Mexico Children, Youth & Family Department
Pathology Clinical Services - Supplement $400,000

John Russell
Presbyterian Medical Services
Otolaryngology and Oral Maxillofacial Surgery On-Call Services $98,271

Doris Tinagero
City of Albuquerque
Gang Prevention Program $239,378
City of Albuquerque
Gang Prevention FY19 $239,378
City of Albuquerque Primary Care/MSW Services Program FY18 $161,970

Darlene Fernandez
New Mexico Department of Health
Provide Services for the OOH $45,000

A. Robb McLean
ABQ Health Partners, LLC
Cardiology On-Call Coverage for SRMC $50,000

Darren Braule
Bernalillo County Fire Department
Medical Directorship $63,053

Robert Fritch
Indian Health Service
Professional Services Agreement $25,000

A. Robb McLean
Albuquerque Area Indian Health Service Professional Services Provided by UNM SRMC $25,000

Steven (Bruce) Williams
New Mexico Department of Health
HIV Services FY19 $236,405

Howard Yonas
Gerald Champion Regional Medical Center
Master Hospital Agreement $25,000
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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.

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