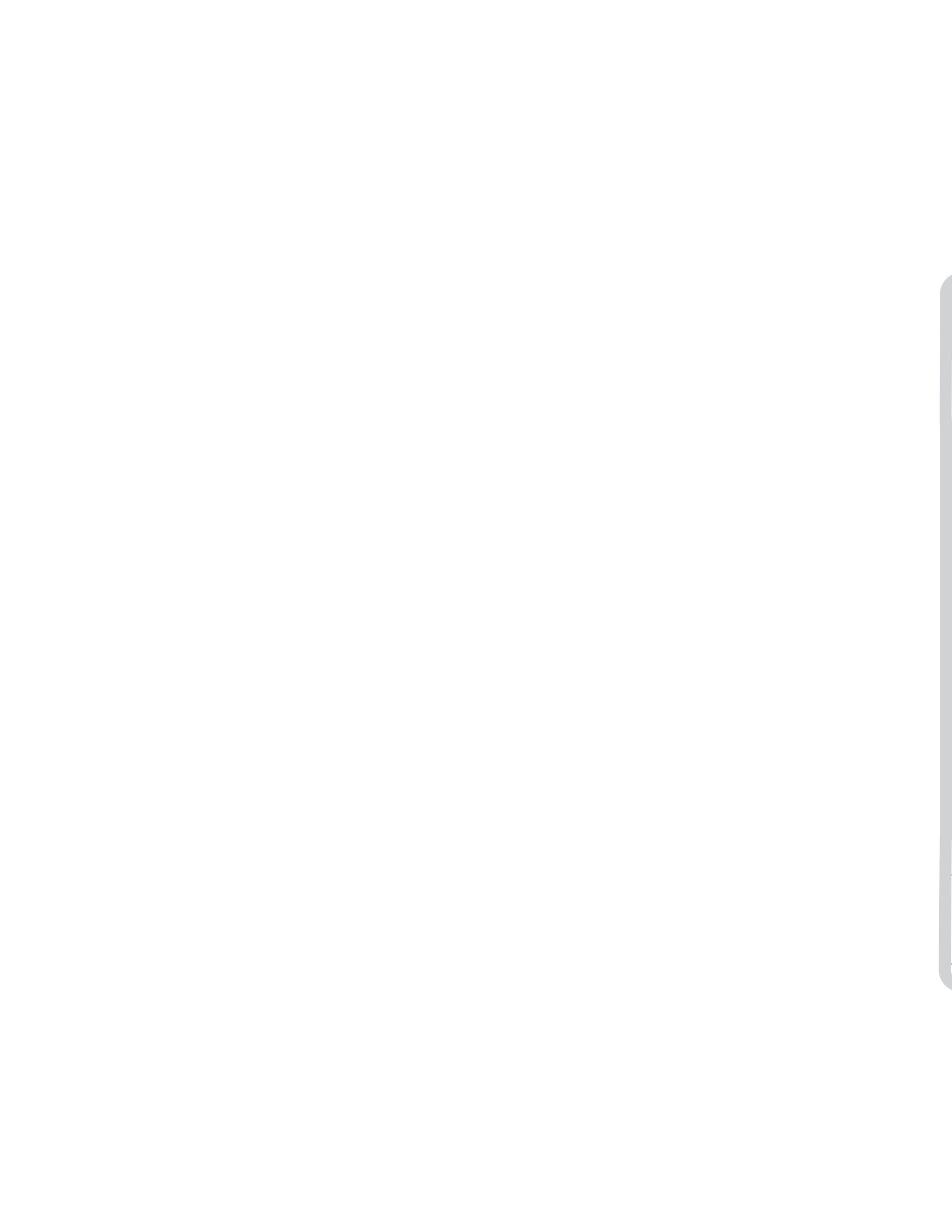


**2024  
ANNUAL REPORT**







**Oklahoma**

**Medical**

**Research**

**Foundation**





## Piecing Together

## Our Values

It didn't happen quite on day one. But within months of when OMRF's founders signed our articles of incorporation, the first publication featuring our mission statement appeared, proclaiming: "That More May Live Longer."

In the ensuing three-quarters of a century, that mission has remained constant. It's true that we've made a few tweaks to the phrasing; it currently reads, "...so that more may live longer, healthier lives." Still, when we recently polled employees about whether these eight words encapsulated our collective goal as an organization, we heard a resounding "Yes!" – more than 80% gave it a thumbs-up.

That poll was part of a foundation-wide exercise that took place during the past year. Through a series of targeted discussions, listening sessions and surveys, we wanted to ensure we understood who we are as an institution.

Beyond re-examining our mission, we also wanted to know what core values connected us. We listened to what our employees – all of them – told us, and we ultimately captured those values in seven succinct statements, which we unveiled in the summer.

That process, though, didn't represent an endpoint. Recognizing what binds us together is vital. Yet if we want those values to permeate everything we do, we need to bring them front and center. We need to celebrate them.

This past fall, we took the next step. We displayed all of the values, represented by colorful puzzle pieces, prominently in our Research Café. We did the same thing in conference rooms spread throughout the foundation.

We opted for puzzle pieces because they don't stand on their own. They're part of a larger picture. To

complete that larger picture, you need to combine them seamlessly with complementary pieces.

In other words, they're an apt metaphor for a fully integrated, well-functioning organization.

In October, we hosted a come-and-go breakfast where we gave each OMRFer a mug emblazoned with the value – condensed to a single word – of their choosing. During the event, I and other members of our senior leadership team visited with employees as they had to make choices between, say, "Exceptional" and "Compassionate." Not surprisingly, quite a few asked if they could have multiple mugs. We got very good at saying "no" nicely.

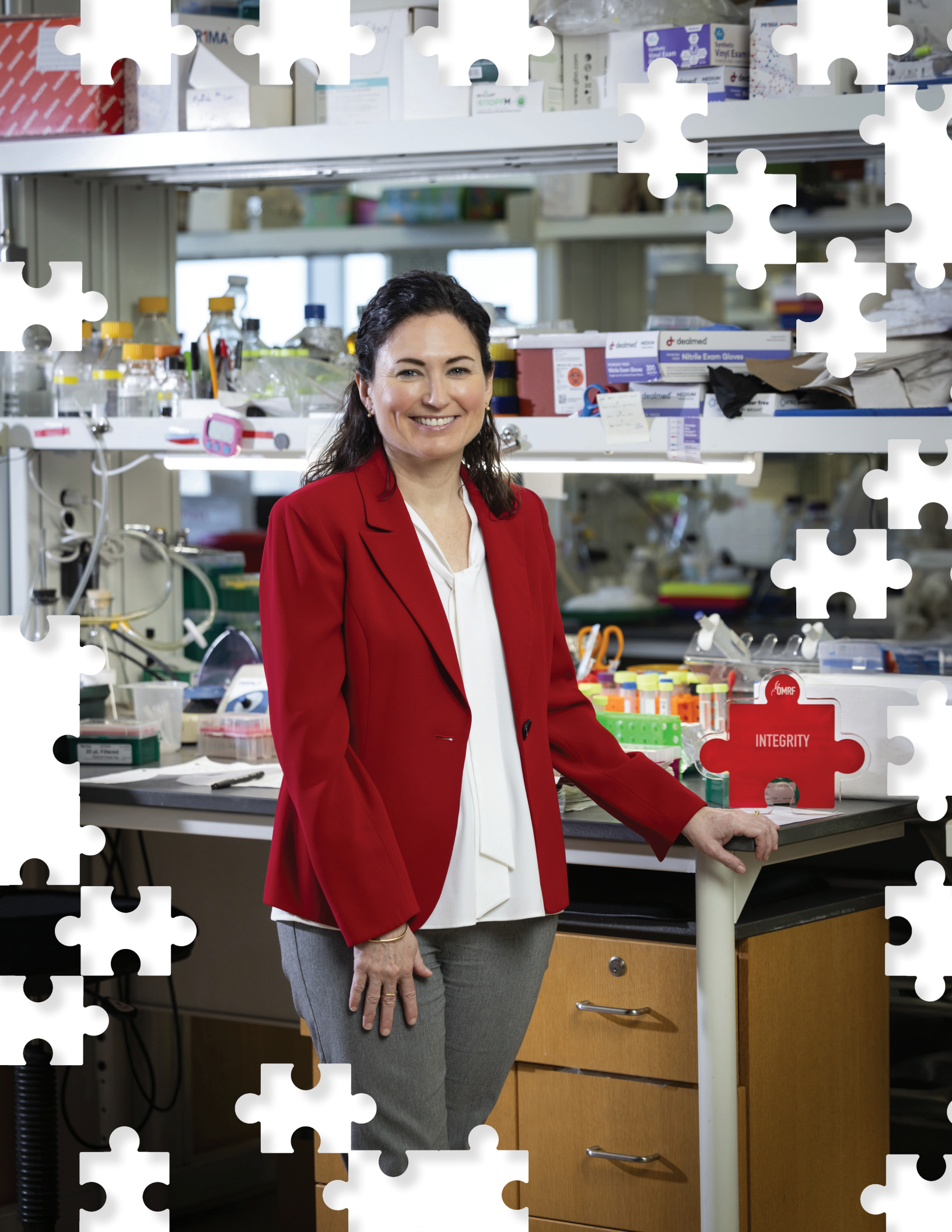
Moving forward, we'll do all we can to keep these core values top of mind. As you've probably figured out by now, this annual report is a piece (see what I did there?) of that effort.

In these pages, we've carefully selected OMRFers to represent our values. We hope their stories make clear the reasons we've chosen each of them.

Still, as you read, know that we could have chosen countless others to personify the core traits that make OMRF what it is. Because solving the mysteries of human disease is a challenging puzzle. The answers require many unique pieces, all of them fitting together just so.

Andrew S. Weyrich  
President

A puzzle is an apt metaphor  
for a well-functioning organization



OMRF  
INTEGRITY



# Integrity

Dr. Courtney Griffin

Uphold the highest ethical standards, ensuring that our work is conducted with integrity, transparency and the utmost regard for truth

Dr. Courtney Griffin never thought of herself as a “science kid.” The child of an attorney and an English professor, she spent countless hours solving puzzles and word problems. “I thought it was leading me toward the humanities,” she says. “It turns out it was leading me toward science.”

In high school in Athens, Georgia, an AP biology class opened her eyes to the joys of laboratory science. But it was a chemistry project that sealed the deal. “The teacher sent us outside to pick up something on school grounds,” remembers Griffin, who chose a bobby pin. When she and her classmates brought their found objects back to the classroom, the teacher gave them what sounded like a straightforward assignment: “Now figure out what’s in it.”

Griffin spent the next six months using various tests to determine the chemical components of the minuscule hairpin. It was, she says, the first time she’d faced a problem in school where even the teacher didn’t know the answer. She loved it. “It was the true scientific method.”

Now OMRF’s vice president of research and the Scott Zarrow Chair in Biomedical Research, Griffin says that method represents the beating heart of biomedical research. It starts with scientists posing a question that hasn’t been answered. Next, they formulate a hypothesis, a proposed answer to that question. And then they test to find out if their theory is, in fact, correct.

Throughout her scientific career – which began at Harvard as an undergraduate, then continued with graduate school at the University of California, San Francisco, a postdoctoral fellowship at the University of North Carolina, and a faculty position at OMRF since 2008 – Griffin says she’s never felt a temptation to force experimental results to fit a preconceived notion. “Science is so much more elegant and clever and gorgeous than anything I could dream up,” she says. “The data we generate are inevitably more interesting than whatever theory we’ve developed.”

As a junior faculty member at OMRF, she was asked to serve on a panel investigating a case of scientific

misconduct involving a postdoctoral researcher. The researcher was suspected of altering images in a manuscript submitted to a scientific journal, charges to which he eventually confessed.

Griffin found the young researcher’s behavior “baffling and sad.” OMRF, she says, has always placed a premium on truth, affording her and her fellow scientists the time and resources to get things right. “It’s part of our culture.” The investigation, which led to the termination of the scientist’s employment and a bar on performing future federally funded research, “felt very fair,” says Griffin.

She had a similar feeling several years later, when she once again served on a panel investigating an accusation of scientific misconduct. This time, though, the group reached a different conclusion, finding the situation boiled down to a legitimate dispute between two researchers about methods of data analysis. Again, Griffin lauded the panel’s attention to due process, along with its careful review of the evidence. “We had a room full of scientists grappling with these complicated questions from our own perspectives.”

When OMRF’s longtime research integrity officer retired in 2022, Griffin accepted the role without hesitation. “I’d been here long enough to understand OMRF’s culture and operations, and that made me feel both comfortable and committed to taking it on.” Happily, each of the annual filings she’s since submitted to the federal Office of Research Integrity has been short and to the point: nothing to report.

This past summer, she attended a research integrity officer “boot camp,” where she met dozens of her counterparts from other institutions. It honed her knowledge of regulation and procedure, buttressing her ability to handle any allegation of research misconduct that might arise. She left with a renewed appreciation for OMRF. “I felt lucky to be at a place where we’re not constantly embroiled in these issues,” she says. As the person charged with safeguarding OMRF’s scientific integrity, she’ll do all she can to keep it that way.

In high school, Jang Kim kept looking for more. When he felt like the opportunities for learning and growth at Choctaw High were limited, he applied to and was accepted at the Oklahoma School of Science and Mathematics in Oklahoma City.

At OSSM, he eventually recognized he wanted to broaden his scientific knowledge beyond the classroom. So, he talked to a teacher about a laboratory internship.

Down the street at OMRF, Dr. Lorin Olson had never hosted a high school student in his lab.

Olson had come to the foundation a few years earlier after finishing a postdoctoral fellowship at the Mount Sinai School of Medicine in New York. When Kim's teacher reached out about an internship for his student, Olson said, "Sure, I'd be happy to help. Send him over."

That was 2013. With the exception of a brief hiatus during Kim's first year of college, he's been a part of Olson's lab ever since.

Kim, now a graduate student working on a Ph.D. under Olson's mentorship, still remembers his first day in the lab. He used an instrument called a cryostat to embed tissue samples in a frozen block, then sliced through the block to create cross-sections for study under a microscope. From the get-go, he realized he'd found a different kind of scientific world than the one he'd encountered in classrooms. "It was much more intense and hands-on," he says. And unlike lab classes in high school, there was no "follow the cookbook" recipe. The questions were open-ended, the answers yet to be determined. He was hooked.

Kim majored in chemical biosciences at the University of Oklahoma, and he continued his work in Olson's lab, which culminated in a senior capstone project. That research led to a publication in a scientific journal, and for his contributions, Kim was listed as one of the authors. "Productivity in science is putting your name on new knowledge," says Olson. "That's what Jang got to do at a pretty early age."

Still, after graduation, Kim found himself at a crossroads. He worked as a technician in Olson's lab for two years before ultimately deciding to pursue a Ph.D. in cell biology at the University of Oklahoma Health Sciences Center. Through an agreement with OU, graduate students can opt to study with an OMRF scientist (and 56 currently do). Kim chose Olson.

"Because of our previous history, I knew Lorin was a great mentor," says Kim. "He's really understanding." If, for instance, Kim showed Olson "data that didn't make sense," Olson would guide Kim through what to do next.

At this, Olson – who's been sitting alongside Kim – pipes up. "That's how you know someone is ready for graduate school. They recognize when data sets don't make sense."

## Train the next generation of biomedical scientists and clinicians

In the four-plus years since he began working toward his Ph.D., Kim has produced plenty of data that makes sense, and he's on track to earn his doctorate in 2026. This past year, the National Institutes of Health awarded him a prestigious Ruth L. Kirschstein Predoctoral Fellowship, which will fund the final two years of his graduate studies. After that, he'll likely take on a postdoctoral fellowship. While Olson values Kim's many contributions to his laboratory's work, he's encouraging his protégé – as he did – to "leave the nest" and do his postdoctoral training elsewhere. "It's a chance to go and live in a different city and experience a new part of life. And it's an opportunity to learn new science from someone else."

**"We're all nerding out over the same thing, and it's a thing that no one else understands."**

Kim listens, nodding, while his mentor offers this advice. This next big step, does it make him nervous? Or maybe excited? A moment passes, maybe two. "A little of both, I guess."

He has time to figure it out. Until then, he'll focus on his work in Olson's lab. There, he's studying proteins that help heal wounds and repair blood vessels. Specifically, he's looking at how a change in a gene that controls these proteins can cause facial abnormalities in people with this genetic mutation. The research could not only point to ways to prevent the abnormalities, but it could also shed important light on heart disease and cancer.

That, along with taking care of his pets – Tiki, an orange tabby cat, and Prim, his goldendoodle – will fill his days and nights. It's a focused existence, and that single-mindedness is a trait Kim shares with his mentor. "We're both able to maintain interest in one thing for a long, long time," says Olson.

Finding kindred spirits like Kim, says Olson, is one of the many reasons he enjoys mentoring students. It reminds him of the community around a favorite hobby: playing the fantasy game Dungeons & Dragons. "We're all nerding out over the same thing, and it's a thing that no one else understands."

# Training

Jang Kim

Dr. Lorin Olson

OMRF  
TRAINING



Compassionate

Dr. Judith James

NATIONAL ACADEMY  
OF MEDICINE

JUDITH A. JAMES

SELECTED A MEMBER OF THE NATIONAL ACADEMY OF MEDICINE

OCTOBER 1, 2012

President Foreign Secretary

Provide science-driven, compassionate care

UMRF  
COMPASSIONATE

For Dr. Judith James and the staff of OMRF's Rheumatology and Multiple Sclerosis Centers of Excellence, providing care is all about relationships. "I've taken care of some patients for more than 30 years," says James. In some cases, that caregiving relationship now stretches across multiple generations of the same family. "I like that partnership," she says.

A rheumatologist and immunologist, James is one of the world's leading experts in understanding and treating autoimmune diseases. This category of illness, which includes lupus, multiple sclerosis and rheumatoid arthritis, encompasses more than 80 conditions that, together, affect an estimated 25 million Americans. Severity, organs and bodily systems impacted vary, but all autoimmune diseases share a central feature: They develop when the body's immune system mistakes its own cells for invaders and begins attacking them.

James' practice at OMRF is devoted to treating patients with these diseases. Because many of the conditions have symptoms that overlap – indeed, it is not uncommon for people to live simultaneously with multiple autoimmune illnesses – understanding an individual patient's situation is crucial. For that, James begins at the source.

"I sit with the patient and say, 'Tell me the first thing that went wrong,'" she says. From there, she lets patients unfold their own stories. James prompts them with occasional questions and requests for clarification, but she's careful to let her patients be her guide, not vice versa. "Each person perceives their symptoms in different ways," she says.

As she listens, she thinks about what patients are describing. She performs a physical examination. And she orders a specialized battery of clinical tests that foundation scientists have developed over decades of studying autoimmune diseases.

These tests, which look for certain telltale proteins – many discovered by OMRF scientists, including James – provide critical information to help pinpoint a patient's condition. But that, says James, only represents a piece of the puzzle.

"When I started practicing, I thought it was all about solving the mystery, about finding the diagnosis," she says. But for her patients, a diagnosis is far from an endpoint, as many autoimmune diseases lack effective courses of treatment.

Still, the therapeutic landscape has improved dramatically over the past two decades. OMRF has

played a key role in these advances, performing clinical trials for nearly every new therapy for multiple sclerosis, rheumatoid arthritis and lupus that has reached hospitals and clinics during that time. In the process, James and her colleagues have refined how they approach those trials, due in no small part to a grant from the National Institutes of Health that came with a designation for OMRF as one of only a handful of the nation's Autoimmunity Centers of Excellence.

"Almost all traditional clinical trials study whether a medicine works or doesn't," says James, who holds the Lou C. Kerr Endowed Chair in Medical Research and serves as OMRF's executive vice president and chief medical officer. With the federal grant, which OMRF first received in 2009 and has since been renewed three times, including in 2024, James and her fellow OMRF scientists have delved deeper. "We try to understand why a medication works or doesn't, and which patients should be enrolled in a trial for a particular therapy," she says. This kind of probing clinical research enables her to practice what she calls "science-guided medicine," using "cutting-edge information from studies to manage the care" of patients for whom the standard treatment playbook holds no answers.

For James, that's allowed her to pioneer novel concepts, like stopping medications for lupus patients whose symptoms have stabilized. Her work has found that many can safely halt a standard course of therapy. She also devised a method to identify those who should.

She also led the first prevention trial for lupus, using clinical testing born at OMRF to identify people at risk of developing the disease. Then, she and other OMRF caregivers administered a medication that might stop the onset of lupus. They've also participated in a similar study for rheumatoid arthritis.

James knows not every approach will succeed. Still, she says, "We can learn a lot even when a drug fails."

As a researcher, she knows progress can be halting, coming in fits and starts. Yet as a physician, she knows that time is a luxury her patients often don't have.

Their daily struggles, she says, serve as a constant inspiration. "It pushes us to do better science."

"I've taken care of some patients for more than 30 years."



**Collaborative**



**Dr. Benjamin Miller**



**Dr. Sue Bodine**

Foster a collegial and collaborative environment that celebrates innovation and the sharing of ideas

A scientific collaboration is not a marriage. But that doesn't mean the two relationships don't share some important traits.

In both, says Dr. Sue Bodine, "Communication is vital." As is another factor: "mutual respect."

Bodine should know. Throughout her career, she's maintained a series of successful scientific partnerships. One of the most important has been with Dr. Benjamin Miller, with whom she's been teaming up for a decade.

The two study muscle loss that accompanies aging. They have the same goal: finding novel strategies to slow that process. However, each brings a different skill set to the table. Bodine's lab specializes in protein breakdown, while Miller's focuses on synthesizing proteins. That balance matters, says Miller.

"You look for people who have strengths you don't," he says. "You want somebody who complements what you do."

The pair met while serving as volunteer editors for the Journal of Applied Physiology. Miller invited Bodine, then a professor at the University of California, Davis, to give a lecture at Colorado State University, where he was a faculty member. They hit it off and soon mapped out their first joint project.

Although they displayed a similar commitment to the work, they didn't always find common ground. And that, says Bodine, was just fine. "For a collaboration to work, you have to be open to differences of opinion. You need to be able to discuss your disagreements."

This was critical because the tandem's work was challenging a core belief in the field – that muscles produce less protein as they age. In fact, they showed muscles actually produce more protein; it's just that the protein is degraded, shunted off to biological scrap heaps rather than building muscle mass.

Miller eventually moved his laboratory to OMRF, where he now holds the G.T. Blankenship Chair in Aging Research and leads the foundation's Aging & Metabolism Research Program. In 2023, Bodine joined him, opening a lab around the corner from Miller's.

That proximity, says Miller, has strengthened their work together. "Our offices are next to each other. We can just pop in the door and ask a question." Bodine agrees. "It's the informal stuff; those daily interactions make a big difference."

Just as important, says Miller, is the broader environment OMRF has created, which encourages researchers to pool their talents. "It's an open-door place." While many institutions may talk about "team science," says Miller, that commitment is real at OMRF. "I have never knocked on a door and not found someone willing to help."

In a scientific world where problems are increasingly complex, that cooperative spirit is essential, says Bodine. "You can't be an expert in everything. You have to rely on other people."

In 2024, she and Miller teamed up to secure a portion of a \$7.7 million grant from the National Institutes of Health. Working with researchers from the Florida Institute for Human & Machine Cognition and the University of Florida, they'll conduct a clinical trial examining why some people respond better to strength training, while others do better with endurance exercise. Their ultimate aim, says Miller, is to create a predictive model that will allow them to "modify exercise plans for different types of people, so that, hopefully, everyone has a positive response."

Bodine is optimistic that the project will yield useful new insights. She's also excited to continue her partnership with Miller. "We both have pretty rigorous scientific standards. And we're both willing to challenge the dogma." Plus, she says, "I really enjoy working with him." If the past is any predictor, there will be more joint efforts to come.



**"You look for people who have strengths you don't."**



thermo  
scientific

TAKE LABS  
HCS

10

EXACT ONE

Fisherbrand

Fisherbrand

OM

WFC

Sue C. Rodine, Ph.D.

COLLABORATIVE



OMRF

Matlock A. Jeffries, MD  
Rheumatology

OMRF  
CUTTING-EDGE

OLYMPUS  
GX541

# Cutting-Edge

Dr. Matlock Jeffries

Perform  
cutting-edge  
research

When Dr. Matlock Jeffries thinks about research, he imagines two arcs. On the first are studies in areas that are already well explored but that require more digging. “Just going deeper,” says the rheumatologist, who investigates arthritis in his lab at OMRF.

This kind of incremental work is necessary but unglamorous, pushing the field forward bit by bit. It is also relatively “safe,” yielding neither breathtaking advances nor punishing failures.

Jeffries confesses to devoting a certain portion of his time to such projects. They provide funding stability and expand the knowledge base. And it’s from this foundation – what is known – that he can leap off onto a second trajectory: the cutting-edge.

To Jeffries, that phrase means moving “away from the light” into “unexplored directions within the research field.” To do this kind of work, he says, “You have to be a risk-taker. Because you don’t know if you’re going to find anything.” It also requires the ability to dust oneself off and move on when an experiment comes up short. Which, he estimates, happens “90% of the time.”

To do the “weird stuff,” Jeffries says, “you have to be comfortable with things not working out.” It can be demoralizing, and the temptation is often strong to retreat to better-understood territory. But for Jeffries, the promise of discovering something truly game-changing drives him to keep probing new realms.

In 2024, he spent a good deal of time pushing the envelope. First, he teamed with scientists at Washington University in St. Louis on a “moonshot” project funded by a newly formed federal agency, the Advanced Research Projects Agency for Health. The agency, known as ARPA-H, has pinpointed a handful of areas of unmet health needs, and osteoarthritis – Jeffries’ specialty and the most common form of the joint disease – is one.

The agency chose the OMRF-Wash U team and four others to chase a lofty goal: begin human clinical trials within five years of a single-injection treatment that promotes tissue regeneration and restores joints. ARPA-H is using a “fail fast” mentality, which will rapidly terminate those projects that don’t show promise early on.

Jeffries, whose role will be to recruit patients and perform the clinical trial once an experimental therapy

is developed, hopes his team’s project will survive the cut. “If this works, it could be one of the most dramatic accomplishments of modern biomedical science,” he says. But even if the research doesn’t pan out, he sees big potential upsides. “We’ll rapidly accrue an unprecedented amount of information about osteoarthritis. We’ll identify new molecular targets and develop unique delivery mechanisms.” All of this, he stresses, will accelerate therapeutic development for a condition that is ubiquitous – an estimated 1 in 3 people 65 and older live with it – yet has scarce treatment options.

The lack of therapeutic options for osteoarthritis also drove another groundbreaking study in Jeffries’ lab this past year. Working with laboratory mice, his research team transplanted bacteria, fungi and viruses that lived in the intestinal tracts of a special strain of “super-healing” rodents into normal mice. When the lab attempted to surgically induce osteoarthritis, the condition failed to develop. The findings, published in the *Annals of the Rheumatic Diseases*, add to a growing body of evidence Jeffries has been assembling to show that microscopic organisms in our gut play a role in causing osteoarthritis.

The next step, he says, will be to determine if specific microbes can offer protection against the disease. “If we can nail down a particular species, or even a few, I can envision a clinical trial testing a probiotic in humans.”

In the meantime, Jeffries will keep searching for paths not taken. In the lab, that is. In his day-to-day life, he says, he’s not much of a daredevil. “I’m more of a tinkerer.”

He recounts a story about when he was 5 or 6 and his mother bought him a flashlight. On the drive home from the store, he was so curious to understand how the device worked that he disassembled it. Completely. “It couldn’t be put back together.”

He chuckles at the memory. Even then, it seems he was beginning to understand that research doesn’t always work out. That if you want to learn something new, you can’t be afraid to break a few eggs. Or at least a new flashlight.

# Discoveries

Dr. Mike Beckstead

Harris Blankenship

Dopamine is often called the “feel-good” chemical. That’s because the brain releases the neurotransmitter during activities we enjoy: eating a bowl of ice cream, achieving a goal, engaging in sexual activity.

Dr. Mike Beckstead had studied the physiology of dopamine his entire career, mostly in the context of drug addiction, where the chemical plays a pivotal role. But, he says, until 2017, “I would have told you that dopamine and Alzheimer’s weren’t connected.”

That year, a study came out in a scientific journal providing the first evidence the two might be linked. Beckstead was intrigued. And so was the National Institutes of Health. When he applied for a supplement on an existing research grant, the government awarded him funding to dig deeper into the question.

Not long after, Harris Blankenship was thinking about his graduate school plans. Then a senior at the University of Arkansas, he knew he wanted to study Alzheimer’s. “It’s one of the big, hard questions in neuroscience,” Blankenship says. But he thought that researchers and drug developers, who were largely centering their efforts on plaques and tangles that accumulate in the brains of those with the disease, might be focusing on the wrong thing.

Blankenship read about Beckstead’s new project and reached out to the OMRF scientist. “Mike was taking this new approach to a devastating disease we don’t understand. That sounded beautiful to me.” A conversation on Zoom confirmed Blankenship’s interest. “I thought, ‘I’ve got to work for this guy.’”

The feeling, says Beckstead, was mutual. “I was just getting the project. He was dying to do something. It made perfect sense.”

Blankenship enrolled at the University of Oklahoma Health Sciences Center, with Beckstead as his mentor. Beckstead promptly set his protégé to work to learn a vital laboratory technique, recording electrical signals from a single neuron. Beckstead assigned Blankenship to learn using mice genetically engineered to

develop a condition that mimics Alzheimer’s. Almost immediately, the data Blankenship generated showed that something was different in the Alzheimer’s mice.

Over the next several years, Beckstead and Blankenship refined the studies, ultimately determining that the dopamine neurons in the Alzheimer’s mice fired faster than those in normal mice. They identified a protein that spurred the overactivity, then used a chemical inhibitor to restore dopamine activity to normal levels.

The resulting study, published in 2024 in the influential scientific journal *Nature Communications*, represents a major shift in how scientists think about Alzheimer’s. “We established definitively that long before the onset of symptoms, the dopamine neurons in the brain were far too active,” says Beckstead, who holds the Hille Chair in Neurodegenerative Disease Research. “We also discovered the cause for this overactivity and a potential solution.”

Moving forward, Beckstead is planning studies aimed at better illuminating how dopamine ties to the development of Alzheimer’s. “We’ve at least cracked the surface of something that might have a small effect on slowing down this terrible disease. With more work, maybe we can make a big difference instead of a little one.”

For Blankenship, who will earn his Ph.D. this spring and move to Boston for a postdoctoral fellowship, the experience has only whetted his appetite for discovery-based science. “For a brief moment, you are the only person in the world who knows something.” That singular feeling, though, is fleeting. “You rest on your laurels for four hours or so,” he says with a chuckle. That thought is quickly overtaken by another: “I need to do this experiment 100 more times so I’m sure it’s right.”

This might seem dispiriting to some. But to Blankenship, it’s just the opposite. “I feel like we just put one stone down in front of us in a stream. And now we can step on it.” With enough stones, they hope one day to reach the other side.



Strive to make discoveries that translate into tangible health benefits and improved quality of life

Exceptional

Courtney Stevens Greenwood



## Be an exceptional organization that attracts, develops and retains talent

As Courtney Stevens Greenwood walked to the stage, she thought: I really should have known better. I should've prepared what I wanted to say.

At that moment, though, it was hard for OMRF's vice president of human resources to be angry, either at herself or anyone. It was December 2024, almost the 22nd anniversary of when she joined OMRF, and she was about to receive the foundation's award for being voted one of the state's Top Workplaces for the 12th straight time.

When she reached the microphone, Greenwood thanked OMRF's employees, extolled the virtues of medical research and generally gushed about working at the foundation. But, she says now, "It was the perfect opportunity to talk about our values."

If there's anyone who knows about OMRF's values, it's Greenwood. As the head of human resources, she's the person charged with ensuring that staff members stay true to the organization's principles. And she got her start at OMRF by promoting those values – as the first recruiter OMRF ever hired.

It was the early 2000s, and OMRF's president wanted to become more proactive about hiring. He began sending Greenwood, who'd previously worked as a recruiter but not in research, to scientific meetings. She quickly realized that if she was going to be an effective marketer for OMRF – "because that's really what recruiting is," she says – she would need to better understand the foundation's culture. So, she asked various scientific staff members if she could watch them work.

That immersion not only gave her an on-the-ground view of life in the lab, but it also taught her what was special about OMRF. "I learned about the culture of training and mentorship in our labs," she says. "I saw how managers supported and encouraged the people they worked with." That, in turn, proved valuable when she spoke to recruits about what differentiated OMRF from other employers.

Greenwood's messaging differs for each recruit. For instance, if people are coming from a big city on one of the coasts, she may highlight the quality of life in Oklahoma City. "I emphasize things like the low cost of living, the relative lack of traffic and ease of getting around," she says. If they have children, she and her staff will arrange visits to local schools. They'll also connect them with real estate agents.

The key, she says, is to understand what's important to the recruits and their families. To that end, she and her team will schedule calls beforehand with the prospective employees – and their significant others – to gauge what's meaningful to them. Then, they'll do their best to connect them to local resources, which can mean anything from arranging a kayaking tour of Lake Overholser to matchmaking one recruit's spouse with an Oklahoma dressage club. "But first, I had to look up what dressage was," she says. (For the record, it's a form of precision horseback riding.)

With non-Oklahomans, there's one topic that inevitably comes up: tornadoes. When asked about the "T word," Greenwood attempts to ease anxiety with information and humor. She tells them about advancements in weather prediction technology and the statewide warning system. At this, she'll lean into her experience as a lifelong Oklahoman, telling them – with a smile – that "you'll always know when it's noon on a Saturday."

For Greenwood and her team, the goal is simple: "We want everybody to want to be here." That, she says, is true "whether we make them an offer or not." Still, recruiting talented people only represents a starting point. "We work hard to make OMRF a place where people want to spend their careers," Greenwood says. That means offering generous health and retirement benefits, an employee fitness center, a subsidized onsite café, and many other programs that enrich OMRFers' day-to-day lives.

It also means building and reinforcing a culture of listening, Greenwood says. "We seek input, and we genuinely want that feedback. Any employee can walk into my office whenever they want. They can walk into any member of the leadership team's office and say, 'Hey, this is what's going on.'"

That open-door policy, she says, applies regardless of the message being delivered. "It might be a plea for help. It might be a complaint. We want to hear it all." And, she says, "We want to figure out a solution."

At OMRF, she says, people in every role – administrative, research, clinical – take great pride in the foundation's scientific accomplishments. And that's precisely as it should be. "Our goal is to create an environment where everyone understands that their contributions make an impact. We're all in it together."



**"We're all in it together."**

# How We Spent a

# Dollar in 2024

## Research: 65%

OMRF's scientists are advancing the understanding and treatment of conditions from Alzheimer's, cancer and heart disease to autoimmune illnesses such as lupus and multiple sclerosis. The resulting diagnostic tests, treatment management tools and life-saving drugs are used in hospitals and clinics around the world, improving health outcomes for people everywhere.



## Clinic Operations: 28%

In keeping with our mission of helping more live longer, healthier lives, OMRF moves discoveries from the laboratory to the clinic and the patients who need them. In our onsite clinics, we focus on caring for people with autoimmune diseases and enhancing the understanding of these disorders for future generations. In 2024, more than 6,000 patients visited OMRF. And with 50 clinical trials underway, our physicians are bringing the next generation of medications to those who need them most.

## Administrative: 7%

When it comes to administration, less is more. For decades, our expense percentages for accountants, IT professionals and other administrative employees have held steady in the single digits. That means more money for research.

# Financials

OKLAHOMA MEDICAL RESEARCH FOUNDATION  
Selected Financial Information - Operating Fund 2023-2024

	2023-2024	Prior Year
<b>OPERATING REVENUE:</b>		
Competitive research grants:		
National Institutes of Health grants	\$ 49,375,990	\$ 37,967,890
Other competitive research grants	<u>12,095,467</u>	<u>11,212,746</u>
Total grants	<u>61,471,457</u>	<u>49,180,636</u>
Private contributions:		
Income and gifts from trusts	8,044,851	8,053,049
Gifts and bequests	1,939,246	2,674,925
Contributions	2,380,700	2,183,141
Memorials	<u>493,166</u>	<u>815,530</u>
Total private contributions	<u>12,857,963</u>	<u>13,726,645</u>
Special event revenue:		
Ticket sales and sponsorships	1,338,761	835,455
Less: direct costs of event	<u>(298,696)</u>	<u>(158,983)</u>
Net revenues from special events	<u>1,040,065</u>	<u>676,472</u>
Other revenue:		
Clinical revenue, net of provisions for contractual and other adjustments	26,381,382	27,924,582
Interest, dividends and net realized gains on investments designated for operations	3,134,858	2,310,720
Mineral income	1,428,618	1,893,162
Rent	432,780	384,818
Royalties and licensing income	3,217,117	2,947,012
Loss on disposal of assets	(305,248)	(471,636)
Other	<u>2,009,507</u>	<u>1,910,894</u>
Total other revenue	<u>36,299,014</u>	<u>36,899,552</u>
Total revenue	\$ <u>111,668,499</u>	\$ <u>100,483,305</u>
Net assets released from restrictions	<u>30,695,190</u>	<u>8,100,788</u>
Total operating revenue	\$ <u>142,363,689</u>	\$ <u>108,584,093</u>
<b>OPERATING EXPENSES:</b>		
Program services - Research	72,565,231	62,848,486
Program services - Clinic operations	31,068,347	31,068,753
Support services - General and administrative	<u>7,672,003</u>	<u>6,172,803</u>
Total operating expenses	<u>111,305,581</u>	<u>100,090,042</u>
Change in net assets from operations	\$ <u>31,058,108</u>	\$ <u>8,494,051</u>

# Honor Roll

## \$5,000,000 +

The Chapman Trusts

## \$1,000,000 - \$4,999,999

Presbyterian Health Foundation  
Estate of Lana Yurdakul

## \$500,000 - \$999,999

Mary K. Chapman Trust  
Gail and Rick Muncrief  
Estate of Shirley Patten  
Robert Glenn Rapp Foundation

## \$100,000 - \$499,999

Cynthia and Richard Ball  
The Chickasaw Nation  
Wilma Davis-McElmurry Trust  
Clyde R. Evans Charitable Trust  
Frontiers of Science Foundation of  
Oklahoma, Inc.  
E.L. and Thelma Gaylord  
Foundation  
Sara and Jay Kyte  
Larry Martin  
Jacob Matherly/Matherly  
Mechanical Contractors, LLC  
Beth and Dale A. Matherly  
McCasland Foundation  
The Puterbaugh Foundation  
Putnam City Schools  
Sarkeys Foundation  
Stark Family Foundation  
Judy and Tom Love  
The Anne & Henry Zarrow  
Foundation

## \$50,000 - \$99,999

Anonymous  
United Way of Central Oklahoma  
Sharon Bell and Gregory Gray  
John D. Burruss  
Dixie L. Chestnutt Trust  
Ann-Clore and Walt Duncan

Freeman Family  
Linda and Claude M. Harris III  
Inasmuch Foundation  
Jessie Dearing Kinley Testamentary  
Trust  
The Merrick Foundation  
Bill Stoller/Express Employment  
International

## \$25,000 - \$49,999

American Fidelity Foundation  
Libby and G.T. Blankenship  
Susan Ross and Randy Brown, MD  
Mary K. Chapman Foundation  
Continental Resources, Inc.  
Virginia Cook  
Devon Energy Corporation  
Cindy and Ed Fulmer  
Virginia and John Groendyke  
Leslie and Cliff Hudson  
Gay and Ed Kirby  
Richard K. and Ruth S. Lane  
Memorial Trust  
Lou and Jim Morris  
Estate of Jeannette E. Morton  
Ronnie A. Rosenfeld  
Glenna and Richard Tanenbaum  
S. Graham Smith Revocable Trust  
Tyler Media Group

## \$10,000 - \$24,999

Amgen, Inc.  
Mo and Richard Anderson  
Anonymous  
Heritage Trust/Argent Financial  
Group  
Arvest Bank  
Bank of Oklahoma  
BH Group Holdings  
Becky and Jim Buchanan III  
Donna and Len Cason  
Stacey Spivey and Jorge Charneco  
Lonnie and Jane Childress

Choctaw Nation of Oklahoma  
Ben and Ann Clayton Charitable  
Foundation  
Clements Foods Foundation  
Phyllis A. Cornell  
Dakil Auctioneers  
Myra A. Decker  
Mark Diehl Irrevocable Trust  
Dillingham Foundation  
Lisa and Chad Dillingham  
Christy and Jim Everest  
John S. Gardner  
Genentech Foundation  
Ann Felton Gilliland  
Robert and Blanche Gordon Family  
Affiliated Fund - OCCF  
Jayne R. Hackworth  
The Hammons Fund - The Dallas  
Foundation  
Cindy and Dale Hanchey  
Hardesty Family Foundation  
Ann and Burns Hargis  
William D. Hawley, MD  
G. Ed Hudgins Family  
Fund - OCCF  
Lezlie and David Hudiburg  
Estate of Helen Jordan  
Jane F. and John A. Kenney  
Colleen F. Lage  
Sherri and Bill Lance Jr.  
Lisa and Al Lang Family Fund  
Cathy and Mike Stieb/Lariat  
Creek, LLC  
Mr. and Mrs. R. W. Lee  
Fund - OCCF  
Shang-Mei Lee  
The Lyon Foundation  
Gigi and Rod McEver, MD  
Polly and Larry Nichols  
Don Nickles Charitable Fund  
Novartis  
OGE Energy Corporation  
Olson Family Foundation

OMRF Fleming Scholarship Fund -  
OCCF  
OMRF General Fund - OCCF  
OMRF Kirkpatrick Fleming  
Scholarship - OCCF  
William T. Payne Fund - OCCF  
Madalynne L. Peel Foundation  
H.E. (Gene) Rainbolt/Rainbolt  
Family Foundation  
Matt Russac Trust  
Schraad Enterprises, LLC  
Carolyn H. and Paul I. Schulte  
John R. Shofner  
Betty R. Smith  
Jo Ann Smith  
Mary and Anthony Stangl  
Stillwater Public Schools  
Susan W. and William F. Thomas  
Fund - Tulsa Community Fund  
Jane A. Weber  
M.V. Williams Foundation, Inc.  
Paul S. and Conna D. Woolsey Fund  
- OCCF  
Dick C. Wright  
Danny Zelisko Presents

### **\$5,000 - \$9,999**

Allen Family Charitable  
Foundation  
Janice and the Hon. Bill Anoatubby  
Anonymous  
Arnall Family Foundation  
Cristina G. Arriens  
Automated Building  
Systems, Inc.  
Donnie R. Ball  
BancFirst  
Sheryl and Bruce Benbrook/Stock  
Exchange Bank  
Linda and Lance Benham III/  
Benham Community Fund  
Best Companies, Inc.  
Biogen Idec  
Bruce and Suzanne Bockus  
Jil K. and Tony Boghetich  
Cassandra C. and Charles K. Bowen

Drew Braum  
Robert and Karen Browne Family  
Fund - OCCF  
Kim and Steve Bruno  
Roy W. Cichon  
Debbie L. and Mickey L. Clagg  
Clark Family Gifting Trust  
Katie and Tony Say/Clearwater  
Enterprises, LLC  
Susan W. and Howard W. Conyers  
Lucia and Kenneth C. Copeland  
Leanne and Matt Deason  
Melanie and Jeff DeFehr  
Foundation Fund - OCCF  
Harvey Hampton/Dortha R. Dever  
Legacy Fund - OCCF  
Katherine L. Dickey  
Barb J. Grimes and Paul Diehl  
Dobson Family Foundation  
Drake Gungoll Foundation  
Duncan Oil Properties  
Susan and Carl E. Edwards Jr.  
Deb P. and Mark Elstad  
Embassy Suites OUHSC  
Expand Energy  
Lura S. and Robert S. Fabian  
Beverly and Mark Funke/Funke  
Family Foundation  
Jane A. and Gerald L. Gamble  
Gaming Capital Group  
Ashley and John W. Griffin  
Nancy L. and Barry Grove  
Chick and Yvonne Hilgenberg  
Charitable Trust  
Hocker Foundation  
Karin and David Holsted  
Integrus Health  
Ronnie and Shahnaaz Irani Fund -  
OCCF  
Jerry and Loretta Janzen  
Endowment - MB Foundation  
Carol A. and Russell C. Johnson  
Joullian Foundation, Inc.  
Jeanette and Terence C. Kern  
Barbara N. and Edward A. Krei  
Katie R. and James B. Lathrop

Patsy R. Lawyer  
Chris and Whitt Lee  
Elaine and Harrison Levy Jr.  
Lingo Construction  
Carol A. and Joseph L. Lynch  
Thurman Lynch  
Rick and Susan Martin  
Family Fund  
Mary L. and Mike A. McGraw  
Jean E. McLaughlin  
LaDonna and Herman Meinders  
Debbi and Frank Merrick  
Linda K. and Ron C. Merritt  
Margaret H. and Larry E. Morris  
O-K Calf Feeders, Inc.  
OKC Friday  
Oklahoma Electrical Supply  
Company  
Oklahoma Grand Chapter Order of  
the Eastern Star  
Gayle and Richard H. Parry/Parry  
Family Charitable Fund  
Charlotte and Chris Perkins  
Sandra J. Peyton  
Pioneer Telephone Cooperative  
Roxanne and Barry Lynn  
Pollard, MD  
Joe C. Rawdon  
George J. Records Sr./Records-  
Johnston Family Foundation, Inc.  
Penny and Dee A. Replogle Jr.  
Gary and Sharon Roth  
Pat and Fred P. Schonwald Jr.  
Jack Scroggins Charitable  
Foundation  
Betty Bryant Shaull  
Mary Gayle Smith  
Erma D. Spann  
Diana M. Stafforini and Kenneth W.  
Spitzer  
SSM Health  
Charles & Peggy Stephenson  
Family Foundation  
Joseph C. Tang Charitable Fund  
Marilyn and Paul M. Thomson  
Jackie and Robert C. Tilghman

Greg and Traci Walton  
Gregory L. Watkins  
Amy and Andy Weyrich  
Kay and Donald Wiggin Family  
Charitable Fund  
Jimmy H. Williamson  
Carol Wright  
Esther M. Wymer

### **\$1,000 - \$4,999**

Abarr Trust  
Don R. Abernathy Jr.  
Ada Community Foundation -  
OCCF  
Becky and Randy D. Adams  
Mary E. Adams  
Mike G. Adams  
Judy O. and Winford Akins  
Leigh Ann and Paul W. Albers  
David L. Alcorn  
Aggie S. and Roy C. Allen  
Caroline and Tyler Allen  
Patricia Allen  
Richard and Kathleen Alvarez  
Charitable Fund  
American Fidelity Assurance  
Company  
Anchor D Bank  
Anonymous  
ARL Bio Pharma  
Falon and Todd Arms  
Nancy and Stephen Arntz  
Cathy and Gene Arthur  
Lou J. and Marshall Ault  
Paul D. Austin Family Foundation  
Jimmie Lynn and Billye Austin  
Foundation  
Dee Ayles  
Ann E. Bachelor  
Judith A. and James B. Bagby  
Robin J. and David Bailey  
Cynthia B. and Jim H. Baker  
Pauline and Steve Baker  
Teresa A. and William O. Baker  
Marilyn B. Balyeat  
Kelsey and Mitchel Barker  
Ed Barth  
Ann and Larry Bartlett  
Linda Barton

Martin and Sylvia Bautista  
Beverly J. Beal  
Tina A. and Elby J. Beal  
Leah A. and Richard A. Beale  
Sherry and William L. Beasley  
Paula and Don Beck  
Mike J. Beckstead  
Julie and Mark Beffort  
Joanne L. and Vernon Belcher  
Lori and Jason Bell  
Jackie and Jerry Bendorf  
Louise and Clay I. Bennett  
Marilyn and Royce Bentley  
Vickie Beyer  
Margaret B. and David M. Biddinger  
Black Mesa Investors  
Carol E. Blakey  
Bart Boeckman  
Brock Boeckman  
Cheryl L. and Chris J. Boeckman  
Sherry and Leland Bruce Boehs  
Clare and Pat Borelli  
Clara H. and John L. Bowen  
Jana and Jon Bowers  
Boxwood Cabinetry  
Peggy and Del N. Boyles  
Donna W. and William G.  
Bozalis, DDS  
Hugh Branscum  
Barbara M. and Rick Braught  
Melinda D. and Gordon Brewer  
Megan and Vincent M. Brigham  
Frances T. and Gary L. Britton  
Christina and Trent H. Brown  
Jo Brown  
L. Vance and Janet Brown  
Regena A. Browne  
Carla Brueggen  
Mike D. Brunzman  
Ellen and Richard C. Burgess  
Darla J. and David F. Burks  
Deane W. and John R. Burnett  
Byrd Building Consulting, LLC  
Mary Ann Gilmore Caffrey  
Rita R. and Jeral D. Cain  
Michelle M. and William Calvo  
Ann O. Carlson  
John Cassil  
Jeffrey Caughron

Betty Jane and Mike A. Cawley  
Molly J. Cazee  
Donna F. and Michael A. Cervantes  
Stefanie and John Chace  
Celin Chacko  
Lynn L. and Harry E. Chancellor  
Charitable Adult Rides and  
Services, Inc.  
Charities Aid Foundation of  
America  
Jacqueline M. Cheatham  
Mark Christison  
Janice and Gary Christol  
Carol J. and Larry G. Church  
Gerry Church  
B.C. Clark Jewelers  
Clements Foods Company  
Diane and Van Cline  
Carolyn Sue Clover  
Martha and Rick Coe  
J.L. and C.N. Coffman Foundation  
Trust  
Kathryn L. Coffman  
Lisa and Michael A. Coffman  
Teresa and Jim S. Coffman  
Cogman Family Fund  
Mary and Adam Cohen  
Becky and J. Markham Collins, PhD  
Nancy K. Hall and Ed Collins  
Michele A. and Larry S. Compton  
ConocoPhillips  
Teresa L. Cooper  
Nichole and Steven Copeland  
Sharon and Gregory Copeland  
George Corkins  
Cory's Audio Visual  
Jake and Kathleen A. Coughlan  
Tennille and Justin Covey  
Rose K. Cox  
Nancy R. Cravens  
Russell and Hazel Crooch  
Endowment Fund  
Karen R. and Ron S. Cunningham  
Nancy A. Daily  
Susan and Louis Dakil  
Bruce E. Dale  
Patricia P. and Douglas L. Dale  
Julie J. and Charlie E. Daniels  
Phyllis and Tommy L. Daughtrey

J. Kenneth Davidson  
Leslie A. and Scott Davidson  
Linda R. Davidson  
Connie S. Davis  
Dan Davis Law  
Susannah Rankin, PhD, and Dean  
Dawson, PhD  
Sue A. and Philip C. Day  
Rita and Al Dearmon  
Anthony Deason  
Gail Deaton  
Amy Dedeke  
Karen R. Delaney  
Fund - OCCF  
Deanne D'Emilio  
M. Elaine Dennis  
Jerrilyn M. Derr  
Annie E. and Peter Dillingham  
Cathy A. and Jed E. Dillingham  
Kay C. Dillingham  
Barbara and W.J. Dillon III  
Marilyn A. Doty  
Susan P. and Ramsey W. Drake II  
Sheila and Fred Duell  
Margaret G. and Nicholas V. Duncan  
- OCCF  
Debbie and David Dungan  
Barbara and Bill Durrett  
Keith Durso  
Joanna R. and Mike C. Dyer  
Kim A. and Tommy R. Dyer Jr.  
Claire V. Eagan and Anthony J.  
Loretti Jr.  
Karen W. and Tom L. Edgar  
Edmond Duplicate Bridge Club  
Cherri A. Eggleston and Marshal  
Juma  
Linna L. Ehrman  
Christi and Pete Eischen  
Eissenstat Family Foundation  
Kate and Jeff H. Ellard  
Louise and I.W. Ellard  
Gretchen R. and Bob S. Ellis Jr.  
LeAnn D. and Hal William Ellis  
Nancy P. and Bob Ellis  
Francis Elmenhorst  
EMD Serono  
Carol Enkoji and Richard Nelson  
Tricia L. Everest

Cyndi D. and Tom W. Fagan  
Gary and Tamyra Fancher  
Darise and Scott Farris  
Roger V. Felber  
Ken Felker  
Mary Ann and Ken Ferguson  
Susan E. and Jesse P. Field  
Marilyn R. Filonow  
Margee M. and Scott  
H. Filstrup  
Edward Finn  
First National Bank  
of Oklahoma  
First United  
Dick S. Fischer  
John A. Fischer  
Flesher Family Fund  
Dana and Doug Floyd  
Marlene and Robert Floyd, PhD  
Timothy E. Foley  
Hughla F. Foreman  
Mary Jo and Mark A. Fortuna  
Debra L. Foss  
Linda K. and Joe B. Foster  
Foundation Management, Inc.  
Jeanne M. and Ed Fowler Jr.  
Paul D. Fox  
Estella M. and Patrick V. Franken  
Willard M. Freeman  
French Family Charitable  
Foundation  
Deborah K. and Richard H. Friant  
Ronald Fried, DO  
Gable Gotwals  
Amy and Patrick M. Gaffney, MD  
Mary Lou Gaither  
Spencer Galt  
Lauren and Paul J. Garabelli  
Sammie L. Garrett  
Tracy Gasbarra  
Xin Geng  
Kelly and Ragon Gentry  
James S. Gerber, MD  
Aulena and Gilbert C. (Gib) Gibson  
Pat J. and Philip E. Gibson  
Harriet and Larry A. Gilbert  
Lisa A. and Fred R. Gipson  
Lisa K. and Gregory F. Gisler  
Give Lively Foundation, Inc.

Jerry and Nancy Glasgow Charitable  
Fund  
Carol A. Glass  
Elizabeth and Steve B. Glasser  
Sarah Glick  
Carrie and Bill R. Goddard  
Roger and Virginia Gohrband - OCCF  
Susan A. Gonzalez  
Gary J. Gorbsky  
David W. Gorham Gift Fund - OCCF  
Celia Gose  
Sharon K. Gowdy  
Danae and Evan Grace  
Mary Ann and Stan W. Gralla  
Kent Graves  
Jane A. and Charles A. Gray  
Susie and Tom R. Gray III  
Louise R. and John Ray Green  
Randi D. and Gerald P. Green  
Courtney Stevens Greenwood and  
Owen Greenwood  
Shellie and Don Greiner  
Courtney Griffin, PhD, and Tim  
Griffin, PhD  
Teresa Chouinard Griffin  
Betty and Steve Guest  
Mary K. Gumerlock, MD  
Kelly V. and Jeffrey B. Gwin  
Mary Lou and Bill A. Hadwiger  
Rozella and Jim Hadwiger  
Janet Haggerty  
Jacqueline O. and Roger V. Haglund  
Ramez M. and Katrine Hakim  
Ernestine and Pat Hallren  
Kirk Hammons  
Bret D. Hampton  
Arthenia L. Haney  
Donna J. Hansen  
Terri S. and J. Patrick Hare  
Beverly A. Harkness  
D. Allan and Dorothy B. Harmon  
Fund - OCCF  
Stacy and John E. Hart  
Ronald F. Hartman  
Hartzog Conger Cason, LLP  
Erin and Tim Hassen  
Judy J. Hatfield  
Dawna and Marc Hatton  
Debe and Rick L. Hauschild Jr.

Jennie M. Criley and Tom Hawk  
HC Construction Holdings, LLLP  
Dee Anne and Joe L. Heaton  
Bonnie B. Hefner  
Heiman Family Foundation  
Melinda J. Heitz  
Marisha and Gerry L. Hendrick  
Mimi and Curtis B. Hendricks Jr.  
Bonnie and Frank X. Henke III  
Myra L. and Gene Henry  
Bette J. and Frank D. Hill  
HPI Community Hospital  
Hogan Property Company  
HoganTaylor, LLP  
Rachel and David Holden  
Martha S. and Donnie Holloway  
The Hon. Jerome A. Holmes  
Cathy W. and Jerry T. Hoopert  
Christine and Todd Hopeman  
Donna M. Hopper  
Virginia C. Horne  
Nora A. and Kenneth R. House  
Jan C. and Don E. Hubbard  
Paul Huddleston  
Janet S. and John C. Hudson  
Leslie and Cliff Hudson Family  
Fund - OCCF  
Annette and Larry Hull  
Farhat Husain  
Idabel National Bank  
Chris Ihrig  
INSURICA  
Integrated Leadership Systems  
Wesley Jack  
Judith A. James, MD, PhD  
Brett Jameson  
Cathy L. and John H. Jameson  
Estate of Gerald Jaquith  
Michelle L. and Brian Joachims  
Belleva S. Johnson  
Carrie Lou Johnson  
Jay R. Johnson  
Kathryn and James C. Johnson  
Linda and Stewart Johnson  
Pamela and Carlos E. Johnson  
Sharon and Charles B. Johnson  
Tom Johnson Investment  
Management, LLC  
Ann and Bill Johnstone

Susan A. and John C. Jones  
Fred Jones Family Foundation  
Juliet H. Jones-Moss  
Cathy and Frank A. Keating  
Keeler-Matthews Charitable  
Foundation, Inc.  
Eileen S. Kelle  
Rosemary E. Kerber  
Lou C. Kerr  
Kerr Foundation, Inc.  
Claren M. Kidd  
Tracy A. and John Josh Kidwell  
Sandra L. Kimerer  
Melanie and Paul W. Kincade, PhD  
Debra and Gary W. Kinslow  
Karen M. and Ron D. Kirkpatrick  
Kirkpatrick Bank  
Pam and Jim Klepper  
Phil Kliewer  
Kathryn N. Klotsch Endowment -  
Watersedge  
Larry Kraiss  
Linda M. Kremeier  
Neliena A. Krob  
Joan and Gary Larson  
Joanna L. Latting  
Laura E. and Raymond C. Lauchner  
Charlotte Lawless  
Virginia L. Lawrenz  
Mary Grace Lebeda  
Cathy C. and Michael J. Lebsack  
Ashley and Cavett Lee  
Janie Lee, MD  
Jenny K. and Chris N. Lee  
Gina M. and JD Leeds  
Teresa and Rick LeMonnier  
Sarah Lenz  
Linda and Robert C. Leshner  
Joe Leverett  
Leslie M. Levy  
Georgia R. and T. G. Lindsey  
Beverly and Tom Lippoldt  
Pauline and James B. Lisle  
Dan V. Little  
Donna D. Logan  
Jane E. and Jim M. Long  
Karen L. and Donny J. Longest  
Sandra G. Lookabaugh  
Lana L. and Dave R. Lopez

Elizabeth A. Loshbaugh  
Daralyn Loveless  
Barbara L. Low  
Patricia and Randy J. Ludwig  
Karen L. and Rob P. Luke  
Cristina and Florea Lupu  
Gary M. Macri  
Vishal Maheshwari  
Denise and Craig A. Mahl  
Janice G. and Warren D. Majors  
Jason Maly  
Joan L. and Michael J. Maly  
Amy K. and John P. Manfreda  
Manhattan Construction Company  
Tom A. Marberry  
J. Ernest Markes  
Charles Marquis  
Beverly A. Martin  
Naomi F. Martin  
Kym Freeman Mason  
Marcel A. Maupin  
Leaunna J. and Richard L. Maxon  
Israel Mays  
McAfee & Taft  
William C. McAlister  
Charles A. McCall II  
Caroline and Billy F. McCarley  
Patrick McClain  
Susan E. Brown and Bill McCoy  
Bea and David E. McCune  
Cille and Mike McDonald  
Marilyn Ann McEnroe  
Helen M. McFadden  
Vickie J. McIlvoy  
Jenna and Mike E. McIntosh  
Janis S. and Tony R. McKaig  
Linda J. and Joe A. McKenzie  
Kathy J. and Scott F. McLaughlin  
Christopher G. McLoughlin  
Dawn Machele McNeil  
Max W. McTeer Jr.  
Susan E. and Scott A. Meacham  
Linda and Randy N. Mecklenburg  
Medallion Resources, LLC  
Patti and Steve L. Mendell  
Will Merrick  
Stephanie L. and Jeff E. Metts  
Mary and Walter C. Mikkelson II  
Aimee E. and Kevin W. Miller, MD

Stephanie S. and James Mode  
Sharon D. Moore  
Susie F. Moore  
Jill and David Morgan  
Suzy and Chip D. Morgan  
Kristi and Joshua Morris  
Gary R. Mote  
Kris Ann and Kenneth S. Moyer  
Lisa L. and Greg M. Mullen  
Elizabeth Ryan and Mike W. Muncy  
Joan L. Murray-Hogan  
Frances R. and Max J. Murrell  
Margene Naberhaus  
Tiffany Nashert  
Cena and Mark Nault  
Terry and Paula Nayfa  
Victor R. Neal  
Elaine M. Nighswonger  
Lydia D. Nightingale  
Linda Barton Nimmo  
Tina L. and Kevin Nimz  
Sandra N. Noble  
David Nordyke  
David H. O'Daniell  
Cheryl Oden  
Elizabeth and P.B. Odom III  
Oklahoma Association of Mothers  
Clubs  
Oklahoma School of Science and  
Mathematics  
Jim D. Oliver  
Rudy Oliver Jr.  
OMRF Kirkpatrick Fund - OCCF  
OMRF Kornbaum Alzheimer's  
Research Fund - OCCF  
OMRF Research Fund - OCCF  
Judy and David Onken  
John Orban  
OU Health  
Mary E. Overton  
Paulette K. and Don R. Owens  
Marilyn K. and Leslie D. Page  
Katherine L. and William J.  
Palmer  
Roberta and Jay C. Parham  
Janet S. and Larry Patterson  
Treva Martin/Pawnee County Feed  
Lori D. and Bond Payne  
Ginger S. Pearson

Lois M. Pepple  
Janis F. and Jack Perrault  
Beverly Perri  
Sarah and Trey Petty  
Gailynn and John W. Phelps  
Daniel Warren Phelps  
Sue P. Phillips  
Kim Pisano  
Geraldine R. and Dick D. Pittenger  
Kendra S. and Scott M. Plafker  
Pledgeling Foundation  
Ed Polk  
Patsy J. Pollard  
Marcia J. Powell  
Prescott Family Trust  
Mona Z. Preuss  
Velta and Edward L. Quintle  
Paul E. Quintle  
Radiation Billing Solutions  
Kim and David Rainbolt  
Donna and Bill Ramsey  
Tom Ratanasin  
Sydney Simon and George A.  
Razook Jr.  
Kyle Rector  
Andrea Reed  
Betsy Replogle  
Gordon S. Richards Jr.  
Willa G. and Duane Ring  
Judy K. and Joe H. Roberson Sr.  
Betty L. and Jim Robertson  
Loydel Robertson  
Melba Jo Robinson  
Beverly Rodgers  
Rogers & Bell, PLLC  
Lisa D. and Randy C. Romines  
Joyce A. Roodman  
Marianne and Pat T. Rooney  
Leigh Z. and Tom D. Rorschach  
Deborah L. Rose  
Melissa S. and Ryan A. Rother  
Lynne and Bob Rowley  
Diane B. and Steve J. Rulewicz  
Mitchell K. Russell  
Dorothy F. Sales  
Meg S. Salyer  
Sandra Cole Brown  
Gregg M. Satherlie  
John H. Saxon III, MD

Edie A. Schneeberger  
Carolyn S. Schoeb  
Lee E. Schoeffler, MD  
Dale Schoeling  
Pat and Fred P. Schonwald Jr. Gift  
Fund - OCCF  
Clyde H. Schoolfield Jr.  
Catherine L. and Carl H. Schroeder  
Scissortail Wealth Management -  
Tulsa Community Foundation  
Jane R. and Milton P. Seagraves  
Dana and Randel C. Shadid  
Judy L. Shaw  
Peggy Shaw  
Surekha Sheorey  
Tenna M. and Greg S. Shepherd  
Gay L. Shick  
Carol A. and Kim W. Shoemake  
Kim and Kyle Shoemaker  
Scott Shuler  
Sierra Resources  
Simmons Bank  
Julie Y. and Myron D. Simons  
R.L. Simpson III  
Sandra M. Simpson  
Vicki and Ernest Simpson  
Stephanie J. Skurcenski  
Colleen and Lindell L. Smith  
Etta Jean Smith  
Geraldine Z. and Robert A.  
Smith, DVM  
Susie and Sandy Smith  
Hal Smith Restaurant Group  
Janie and Blake J. Sonobe  
Patti and Mark E. Southard  
Southwestern Stationery & Bank  
Supply  
Kate P. and John S. Spaid  
Janet S. Stansbury  
Mary and Jack Stark  
Linda C. and Frederic W. Stearns  
Bernice and Kenneth Steele  
Tracy and Greg Stevens  
Becky and David Stinson  
Kay E. and Jonathan Stockton  
Marjorie S. and Vernon H. Stowe  
Margaret R. Straka  
Susan L. and Doug J. Stussi  
Sandra Kinney and Mike Sugg

Laura and A. Gale Sullenberger  
Carol Sullivan  
Jeleta and Coy Sullivan  
Kip and John P. Suter  
Julie G. and Mark S. Svoboda  
Swapan K. Nath, PhD  
Carole and Ross O. Swimmer  
Becky and Barry Switzer  
Michael Tasker  
Tom A. Teasdale  
Donna A. Tefft  
Lisa R. and Tim W. Teske  
Michael and Diane Thomas  
Arlene and Mike F. Thompson  
Jane and David L. Thompson  
Linda F. Thompson, PhD  
Jennifer and Tony Thornton  
Norma F. Townsdin  
Ron E. Townsdin  
Mary L. and Larry B. Trachtenberg  
Traditions Spirits  
Jackie F. and Dennis Trepagnier  
Richard H. Trepagnier  
Maureen and Steve E. Trotter  
Trust Company of Oklahoma  
Michele L. Trybus  
Judy and Ron S. Turner  
Bonnie J. and Mickey M.  
Vanderwork  
Lynn Vanderwork-Lofton  
Alicia and Ross Vanhooser  
Maggie A. Vater  
Penny and Russell Voss  
Barbara L. Voss-Alvarez, MD  
Terri and Wade Waldman  
Marsha J. and John N. Waldo  
Nancy and Chi-Sun Wang, PhD  
Mark Warner  
Shelli K. and Craig S. Wasson  
Waters Charitable Foundation  
Margaret A. Weddle  
Valari and Greg G. Wedel  
Barbra B. and Ken A. Weikel  
Charity and Aaron Wells  
Rebecca A. Wells  
Mary Lynn West  
Sher and Donald Wayne West  
Judy D. Whipple  
Sue and Bob F. White

Royce H. Wieden  
Chuck E. Wiggin  
Dana Wilkes  
Sonny Wilkinson  
Casey and Rainey Williams Jr.  
Marsha L. Williams  
Williams Box Forshee & Bullard  
Gara and Russ W. Wilsie  
Wilson Christian Foundation -  
Argent  
Susan and James R. Winchester  
Rhonda L. Winters  
Jan K. and Jim C. Wittrock  
Toni N. Wizenberg  
Ellie Womack  
Barbara B. and Robert L. Wood  
Wootten Family, LP  
Richard E. Wrede  
George W. Wycoff  
Dr. William B. Wynn III  
Lijun Xia, MD, PhD and Zhimin  
Liang  
Sarah E. and Paul E. Yauk  
Nancy P. Yoch  
Barbara D. and Stephen F. Young  
Jeanette I. and Kent M. Young  
Linda L. Young  
Linda R. Young  
Fern and Robert Zajic  
Carol and Tim Zaloudek

### \$500 - \$999

Ann Ackerman  
Paul R. Allen  
America Online  
Anonymous  
Sherri and Tom Arms  
Ascent Resources Management  
Services, LLC  
Rob Auger  
Mehdi Azimi  
Kaye F. and Mike J. Base  
Linda and Andy Bass  
Verna L. Bateman  
Rebecca S. and Lowry  
Blakeburn II  
Sue C. Bodine  
Donna Boggs  
Ann P. and Jeff Bohanan

Brooke and Kurt Bollenbach  
Marty and Michael L. Bourland  
Devota F. Bowers  
Novice J. Boyd  
John and Sharon Bozalis  
Theresa Bozalis  
Celia Marie Wood Brickell  
Mary S. and Gerald W. Brown  
Pat H. and David J. Brown  
Veronna L. and Clifford W. Brown  
Judith W. and Jack L. Bryan  
Patty Bryan  
Carolyn and Fred Burks  
Angie and Charlie Burruss  
Braxton Byrd Foundation Fund  
- Communities Foundation of  
Oklahoma  
Anita J. Cabler  
G. Neil Cagle  
Kristine and Matthew Camp  
Sharon D. and C. Michael Carolina  
Judith Carr Fund - OCCF  
Greater Oklahoma City Chamber  
Chisholm Trail Cowboy Church, Inc.  
Mary Ann and John J. Coates Jr.  
Dustin Cochran  
Margaret and Samuel Cochran  
Amanda G. Crawford  
Janette and Hal Cross  
Camisa J. Stewart and Les R.  
Cummings  
Susan H. and John Daugherty Jr.  
Susie Davis  
Margaret R. Dawkins and Kenneth  
D. Taylor  
Deep Well Tubular Services, Inc.  
Kaye and Mark A. Dick  
Dillingham Insurance  
Dimick and Lewis, PC  
Peter Dolese/Peter  
Dolese Images  
Robin and Scott Donwerth  
Gina L. and John C. Doyle  
Kaye and Richard E. Dunham  
Lisa R. and Bentley Edmonds  
Nancy J. Ellis  
Employers Mutual Casualty  
Company  
Diane and Mark F. Emrick

Evans and Associates Enterprises  
Dianna L. and Mark E. Farrar  
Larry G. Fenity  
Linda M. and Gary L. Ferrell  
Karen and Warren V. Filley  
Houston Financial  
First Bank of Okarche  
FirstBank  
Judith and G. Franklin  
Forney, DDS  
Beth and Jon Foy  
Elaine L. Fransen  
Ivana and Kurt S. Frantz  
Dorothea French Fund  
Lena J. Frost  
Peggy L. and Dick W. Geib  
Margaret C. and James N. Gibson  
Kenneth Glazier  
Tom Goldsworthy  
Michael Goodnight/St. Louis Well  
Servicing Company, LLC  
Gordona Duca Heiliger  
Steven A. Graham  
Carolyn M. and Charles D.  
Gregorius  
Natalie H. Groeger  
Groendyke Transport, Inc.  
Marcia J. Halvorson  
Connie B. Hammond  
Teri and Robert Hamra Charitable  
Fund  
Kellie P. and Fred C. Harlan  
Terri L. Harriet  
Jean and David E. Hart  
Shari D. and Larry J. Hawkins  
Larry R. Heald  
Jon Heavener  
Virginia F. Hellwege  
Kayleen Helt  
Jolene R. Ingram  
Lois L. and Manuel Jackson/Seniors  
Bowling Leagues  
Karen A. James  
Barbara and William H. Johnson  
Kimberly and Michael G. Johnson  
Melinda and Glen D. Johnson  
Monte Jones  
Kim and Michael E. Joseph  
Mary and Brent Keck

Joyce A. and Donald L. Keel  
Brenda and Richard M. Kehrer  
Denise and Larry W. Kennemer  
Janelle and Phil R. Kopp  
Trina Krausse  
Robin R. and Brad W. Krieger  
Darla and David J. Krittenbrink  
Karen and Ken L. Kronenberger  
Lori Kuntz  
Kerri LaFollette  
Steven K. Lance  
Martha Leff  
Caroline and John Linehan  
James Lister/Kathleen Lister Fund  
- OCCF  
Harriet L. and Russell Lloyd  
Pauli D. Loeffler  
Jamie Maher  
Debbie Martin  
Julie and Mel L. Martin  
Charlotte M. Masters  
Carol W. and Marshall G. Mayes  
Kaye R. and Jack De McCarty  
Marie E. McWilliams  
Kim F. and Scott Moody  
Della M. Moulson  
Nancy and Paul L. Nall  
Judith Neese  
Patty and Joe Neises Charitable  
Fund  
Karla R. Nickels  
Della Ruth Nuzum  
Gloria A. O'Brien  
OMRF General Fund - OCCF  
Marion Paden  
Marilynn and Rob Paine  
William L. Parry  
Richard Paulk  
Nancy H. Pennell  
Perry Family Foundation, Inc.  
Mary and Bruce E. Pezant  
Quail Creek Bank  
Lynda and Steve A. Ramsey  
Sue C. and Joe M. Rector IV  
Veva M. Reid  
Anne W. Richey  
Sally T. and John Riley  
Andy and Stacy Rine  
LaDonna and Norville Ritter

Courtney and Christopher L.  
Sansam  
Ron L. Saunders  
Security National Bank  
Marilyn K. Sheppard  
Gina Smith  
Weston Solomon  
Mike Somers  
Denise Sproul  
St. Luke's Episcopal Church  
Lu and Carl Stephens  
Joy J. Sullivan  
Teresa J. and Gary Sweet  
Charlotte Y. and Joe Talkington  
Janet L. and Charles L. Talley  
Leonard Taron  
Bo Taylor  
Matthew Taylor  
Betty L. and Arthur H. Thompson  
Macie S. Craven-Tims and T. J. Tims  
Leslie G. Tippett  
Joyce F. and Lynn Treece  
United Way of Los Angeles  
Tami and Brad Vaughan  
Cindy and Joe M. Wade  
Mitzi and Philip M. Walker  
Steve and Vanessa Walker  
Brenda L. and Mark E. Walta  
Judy F. and Gene Walters  
Michelle Walters  
Michelle D. and Lee Walther  
Mark Wang  
Karen S. Weddle  
Susan and James R.  
Wendelken, MD  
Karen Joyce Wherritt  
Kevin and Kim White  
Linda K. White  
Kelly Will  
Gena L. and Gordon D. Williams  
Donna J. Wyskup  
Sharon J. and Bill A. Yeager  
Yossarian Society  
YourCause  
Sylvia M. Zimmerman  
Susan L. Zubik and Kris V. Brule

# Board of Directors

Leigh Ann Albers  
Oklahoma City

Gov. Bill Anoatubby  
Ada

Martin D. Bautista, MD  
Guymon

Sharon Bell  
Tulsa

Bruce Benbrook  
Woodward

Lance Benham  
Estes Park, CO

Libby Blankenship\*  
Oklahoma City

Jil Boghetich  
Oklahoma City

Barbara Braught  
Duncan

Randy Brown, MD  
Oklahoma City

Ellen Burgess  
Tulsa

Len Cason, Chair  
Oklahoma City

Michael Cawley  
Oklahoma City

Hiram Champlin  
Dallas

Lisa Dillingham  
Enid

Ramsey Drake  
Oklahoma City

Walt Duncan, IV  
Oklahoma City

William Durrett  
Oklahoma City

The Hon. Claire Eagan  
Tulsa

Carl Edwards\*  
Oklahoma City

Christy Everest  
Oklahoma City

Tricia Everest  
Oklahoma City

Mark Funke  
Oklahoma City

Gerald Gamble  
Oklahoma City

Ann Felton Gilliland  
Oklahoma City

John Griffin  
Tulsa

Virginia Groendyke  
Enid

Jacqui Haglund  
Tulsa

Boots Hall  
Oklahoma City

Burns Hargis  
Oklahoma City

Judy Hatfield  
Oklahoma City

William Hawley, MD  
Oklahoma City

Randy Hogan  
Oklahoma City

The Hon. Jerome Holmes  
Oklahoma City

Karin Holsted  
Edmond

Cliff Hudson  
Oklahoma City

Ronnie K. Irani  
Edmond

Brett Jameson, MD  
Stillwater

Mautra Jones, EdD  
Oklahoma City

The Hon. Terence Kern  
Tulsa

Sherri Lance  
Sulphur

Harrison Levy  
Oklahoma City

Dan Little  
Madill

Mindy Mahaney  
Tulsa

Jack McCarty  
Newkirk

Frank McPherson\*  
Oklahoma City

Jim Morris  
Oklahoma City

Gail Muncrief  
Edmond

Larry Nichols  
Oklahoma City

Richard Parry  
Oklahoma City

Rebecca Patten  
Norman

Don Pitman\*  
Tulsa

Barry Pollard, MD  
Enid

David Rainbolt  
Oklahoma City

Dee Replogle  
Oklahoma City

Pat Rooney  
Oklahoma City

Meg Salyer  
Oklahoma City

John Saxon, III, MD  
Muskogee

Paul Schulte  
Kingfisher

Jack Stark  
Oklahoma City

Ross Swimmer\*  
Tulsa

Becky Switzer  
Norman

The Hon. Steven Taylor  
McAlester

Betsy Thorpe  
Edmond

Greg Walton, MD  
Edmond

G. Rainey Williams, Jr.  
Oklahoma City

Sarah Yauk  
Buffalo

*\*Life Director*

# National Advisory Council

William M. Cameron  
Oklahoma City

Len Cason  
Oklahoma City, OK

Don V. Cogman  
Scottsdale, AZ

Fred J. Hall, Vice Chair  
Oklahoma City

Kim Henry  
Edmond

Blake Hogan  
Houston, TX

Cathy Keating  
Oklahoma City

Whitt Lee  
Salt Lake City, UT

Larry Nichols, Chair  
Oklahoma City

The Hon. Don Nickles  
McLean, VA

Chris Perkins  
Austin, TX

Ronald A. Rosenfeld  
Palm Beach, FL

John F. "Sandy" Smith  
Atlanta, GA

William H. Stoller  
Tualatin, OR

Jay Wohlgemuth, MD  
San Juan Capistrano, CA

# Ambassadors

Paul Cason  
Oklahoma City

Davis Hudiburg  
Edmond

Caroline Ikard  
Oklahoma City

Travis Mason  
Oklahoma City

Meredith McCasland Woods  
Oklahoma City

Stephanie McCord  
Blanchard

Mollie Bennett McCurdy  
Oklahoma City

Whitney Rainbolt  
Oklahoma City

Ashleigh Robinson  
Oklahoma City

Patrick D. Rooney  
Tulsa

Tyler Ward  
Oklahoma City



**Become an OMRF Insider!**

**Subscribe to our weekly health column and the latest research news from OMRF's labs and clinics. Visit [omrf.org/insider](http://omrf.org/insider)**

Production, printing and mailing of this publication were made possible by a private trust.

Text: Adam Cohen  
Graphic Design: Jenny Lee  
Additional Contributions: Pat Gilliland, Casey Maxwell, Kate Miller, Lindsay Thomas, Tony Thornton  
Photography: Brett Deering, Creel McFarland



DISCOVERIES

 **OMRF**  
Oklahoma Medical  
Research Foundation

825 NE 13th Street  
Oklahoma City, OK 73104  
[omrf.org](http://omrf.org)