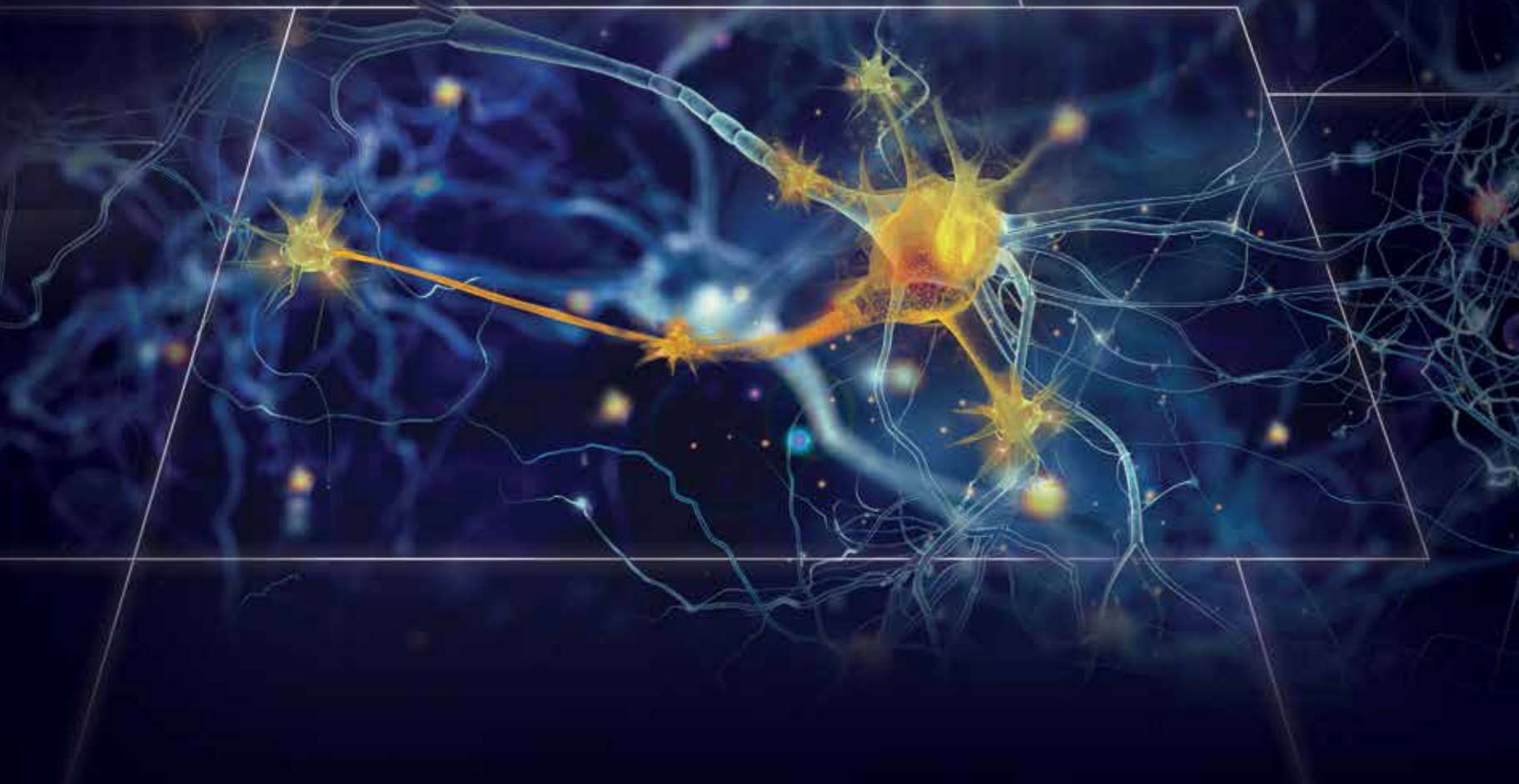


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Welcome to our 15th Annual *Bioscience Colorado* magazine. This publication is a key resource for companies, investors, legislators and economic developers, as the go-to source for our industry in the state.

Last year's edition reached more than 9,000 readers, including online impressions. This publication is one of the industry's greatest voices – locally, nationally and internationally.

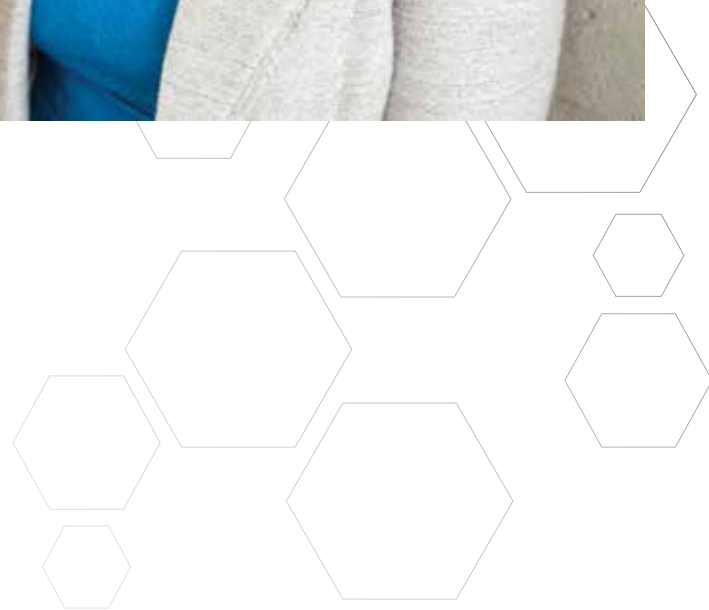
Colorado's life science companies raised a record \$1.2 billion in 2017, doubling the funds raised in the previous year. The funding came through venture capital, debt refinancing, mergers and acquisitions, public offerings and grants. A PwC report ranked Colorado as 2017's number three state for venture capital investments in life science at \$519 million, right behind California and Massachusetts. It takes a bold approach to compete with the established coastal powerhouses. That's what we are focusing on in this issue.

We look at the brave pioneers who are pushing forward with new ideas and solutions to challenges. We explore how our innovators are using their spaces to promote creative collaboration, groundbreaking advancements, and success throughout the industry. Fresh ideas and connections in the world of orthopedics are launching monumental advancements. We also highlight some of the remarkable individuals who are using their own personal ambition to move the entire community forward.

Colorado was settled by those who desired to go a little farther, climb a little higher, and explore where others did not dare. Our industry reflects that heritage. Whether it is a medical innovation, an agricultural breakthrough, or an entirely new field of bioscience, we are all working towards that next frontier.



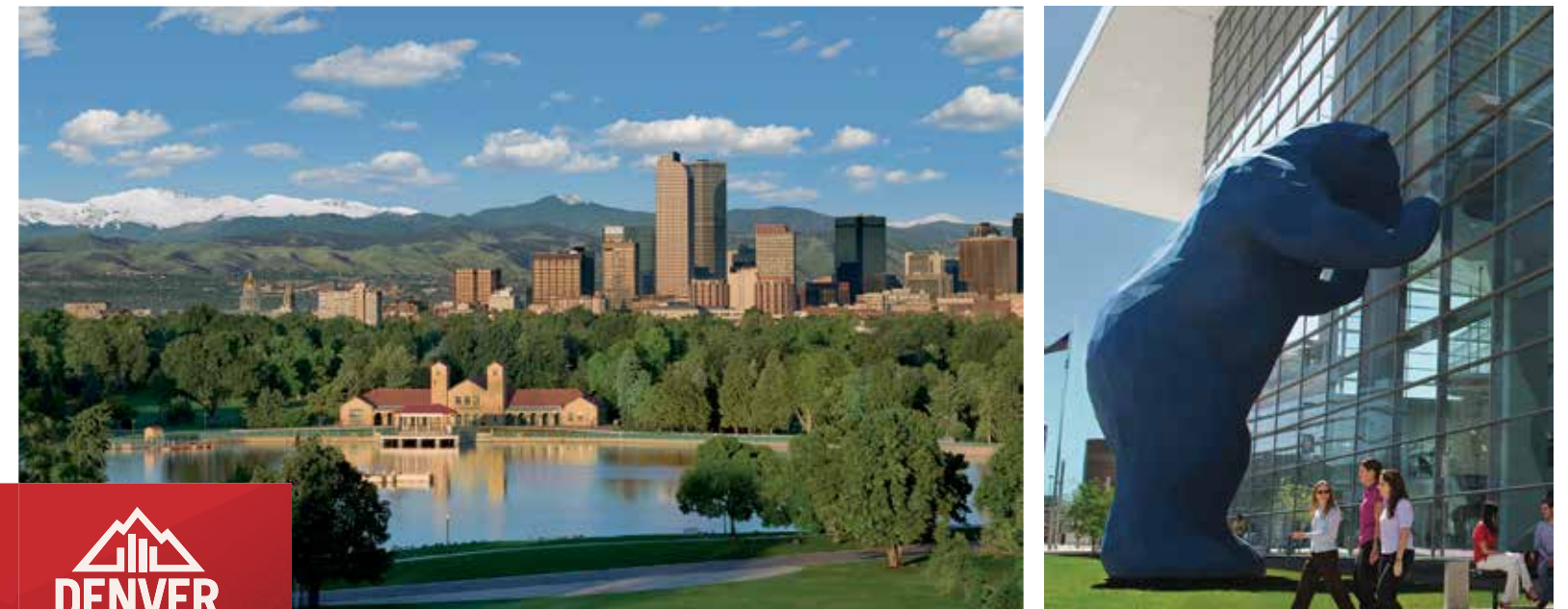
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ALL THINGS BEING EQUAL

Bioscience Executives Reflect on the Value of Female Leadership

WRITTEN BY: **JEANNE MCADARA, PH.D.**

MORE THAN 40 YEARS HAVE PASSED SINCE TITLE IX PAVED THE WAY for educational equity for the sexes. According to Benchmarking Women's Leadership in the United States, a 2013 report from Colorado Women's College (CWC) at the University of Denver, women now earn the majority of all undergraduate, graduate, and professional degrees in the U.S. They make up close to half of the U.S. workforce and 51.4% of all professional and managerial positions across 14 industry sectors. However, despite these undeniable successes, there are hurdles yet to be overcome. In particular, women on average hold less than 20% of U.S. corporate leadership positions. In academia, that proportion is 24.5%, and in the entrepreneurial sector it is just 9.7%. Further, while women comprise 20% of the top U.S. entrepreneurs of 2011, they received only 11% of the capital investment in that year.





From left: Gillian Ivers-Read, Co-Founder of Clovis Oncology; Kimberly Muller, Managing Director of the University of Colorado Innovations Office at Anschutz; and Kristin Johnson, Founding CEO of Eximis Surgical.

Colorado's forward-thinking, entrepreneurial culture seems ripe to support an increasingly diverse and egalitarian environment. We asked three senior-level, female leaders from Colorado bioscience organizations to share their career experiences, and what can be learned and applied to promote further progress and diversity in bioscience.

On the value of pursuing unexpected opportunities:

When asked about their careers, all three women agreed that their trajectories seem smooth in hindsight but were shaped by twists and turns that they could not have predicted. Starting out as a New York pharmaceutical patent litigator, Kimberly Muller, Managing Director of the University of Colorado Innovations Office at Anschutz, had started a family and was weighing whether or not to take a slower career track. She had no idea she'd soon be managing intellectual property for a biotechnology startup riding the human genome gold rush, or learning the ins and outs of venture capital funding by founding a biofuels startup, or being asked to apply her experience to the innovation ecosystem at a top Ivy League University.

"I would never have imagined that path for myself," she recalls. "I feel fortunate that at every part of my career I had strong mentors who always pushed me forward."

Gillian Ivers-Read, Co-Founder of Clovis Oncology, finished college in the U.K. with a pharmacology degree and the intention of doing research. She was surprised when the head of R&D at her first

job asked her to take a temporary assignment in the clinical licensing & regulatory group because of her strong writing and analytical skills. "I was so surprised. I didn't even know he knew my name," she says. "But when you are young and beginning your career, you don't always realize that senior people are watching what you're doing, taking notes, and talking about you."

After six months, she chose a permanent position in regulatory affairs and rose through numerous well-known pharmaceutical companies, which brought her to the U.S. She views moving from New Jersey to Colorado with Pharmion Corporation and its founder, Patrick J. Mahaffy, as a key piece of good fortune; when Pharmion was acquired by Celgene, she and some of the other former management-team members reunited to found Clovis Oncology, where she has been ever since.

Kristin Johnson, Founding CEO of Eximis Surgical, started out with an engineering career in mind. "Dad was an engineer and mom was a teacher. I considered their paths and opted for math, science, and engineering," she says. Throughout her studies, early jobs, and the mergers and acquisitions that brought her to Covidien, medical devices captured her imagination. "Throughout my career I had great opportunities to work on novel medical devices, always gravitating toward unique ideas that offered big challenges and chances to help people."

Before leaving Covidien, Johnson was responsible for identifying internal technologies for investment, development, and incubation. "I realized there are more ideas out there than large companies can drive," she says. "I knew it was

time to make some important career decisions and strike out on my own. When a few high-profile cases with a new surgical device came to light, that drove us to found Eximis."

On the benefits of cultivating mentors:

Ivers-Read, Muller, and Johnson universally noted that mentors—both male and female—were important in encouraging them to take calculated risks to advance their careers. "I was fortunate to have had great mentors and role models throughout my life," says Johnson. "I tried to not be shy about reaching out to people I admired."

Muller says that one of the most important things for a young person's career is to find mentors that believe in them and push them to take risks. "I typically worked in male-dominated industries, and was often the only woman at a table of 30 people. But I never really felt hindered—mentoring gave me confidence to try things I might not have otherwise felt comfortable pushing for."

"Throughout my career I've been fortunate to work with senior people who gave me opportunities, encouraged me, and advised me," says Ivers-Read. "The key for a successful mentoring relationship is to listen and learn, and since I believe so strongly in mentoring I do a lot of it both at CU and in the bioscience industry."

On the persistence of certain challenges:

The overt treatment of women in U.S. professional environments has clearly improved over time. Ivers-Read recalls that decades ago, after moving from the UK to the Midwest, she was asked to delay joining a meeting so her male colleagues could finish their off-color jokes, asked to leave a meeting to retrieve coffee (neither of which she did), and was doubted in her ability to contribute meaningfully to meeting discussions until she made clear that she was not to be underestimated. She doesn't see those kinds of behavior as often anymore, at least in the biosciences industry. "A lot of our success has come from women becoming more confident in themselves as competent, independent thinkers—the reality is we have to act equal to be treated equally."

There are, however, perennial challenges left to be solved. To Muller, finding systemic solutions to balancing career and child rearing is fundamental. "Everyone likes to say, 'The child-care issue is so 10 years ago,' but the reality is, we never solved the problem and I think it's

important to keep bringing it up," she says. "Women still bear a lot of that burden. We are still leaving the office early; we're logging in from home and working as hard as everyone else but less visibly, so we appear less committed. Issues like glass ceilings and pay differentials are a function of that fundamental problem. If we're going to get where we want to be as women, we have to look at all the factors in play, and that is an important one."

On the impact of diversifying the boardroom:

To these women, diversity at the decision-making level isn't just about fairness, it's about remaining competitive in an increasingly globalized world. "Having diverse opinions and experiences at the table is so important to the flow of new ideas and successful thinking outside the box," says Muller.

"Having not just men and women, but true diversity at all levels throughout an organization, fosters a culture of listening and understanding and looking at all the different approaches to problems to find the best solutions," says Ivers-Read. "You interrogate more and end up with a stronger organization."

Johnson agrees. "I've worked on many teams and without hesitation I would say the best ones were a mix, not just of gender, but also of ethnicities, cultures, and experiences," she says. "Everyone has a different journey in life, and a lot of diversity of thinking and creativity can come out of that."

Research backs up these perspectives. For example, the CWC's report found that businesses with women on their boards outperformed companies with all-male boards by 26%. "The data are out there," says Johnson, "and it's too hard to overlook or ignore at this point, that diverse teams outperform those that lack diversity."

On the mindset needed for success:

For all young people, Johnson believes that cultivating a positive outlook and the courage to address challenges head-on are essential for a successful career. "All of us—not just women—face challenges, and more than anything else it's how we approach and respond to problems that matters." She acknowledges that facing up to an unhealthy career situation can be very difficult, "but when those happen you have to take a moment to assess and figure out when you can fix something and when it's best to find a situation that is more positive for you."

Muller adds that she has been encouraged by a more forward, leadership-focused mindset in younger women entering bioscience. "Women often used to opt for the back seat or the #2

Rhea May creates winning strategies for medical devices

LESS THAN TWO YEARS AFTER becoming medical affairs program manager for Medtronic's airway and ventilation division, Rhea May, Ph.D., has played a large role in influencing their long-term business strategy. That isn't in her job description, but that's never stopped her from getting involved.



"The potential for progress is what drew me to the device field—there's always room for improvement," May says. "It's also why I take on new challenges."

May's rapid impact is possible because of her broad understanding of medical devices and a well-honed talent for persuasive presentations.

"Before I make recommendations, I dive deep into the literature, get perspectives from all sides, and work through likely objections. Then I put it all together into a story that's easy to follow."

"The potential for progress is what drew me to the device field."

Her narrative skills come from extensive practice, starting during her PhD at CU Anschutz and continuing through her time as a research scientist at Sharklet Technologies. That experience also gave her familiarity with product engineering and quality assurance.

To keep growing professionally, May jumped to a new track as a clinical research associate before taking on her current role.

"Seeing firsthand how devices are used and tested and speaking directly with clinicians has been immensely helpful," she explains.

Given her incredible drive and the way she constantly absorbs knowledge, May's career will certainly continue to advance rapidly. What keeps her going is the bigger picture: "I want to make a difference to patients."

“Listen, understand, and accept diversity and multiculturalism. Look at people as equals. Value them for what they bring to the organization.”

GILLIAN IVERS-READ,
CO-FOUNDER OF CLOVIS ONCOLOGY



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position,” she says. “Young women now don’t think like that. They come in expecting to lead, and that’s a really interesting change.”

“It’s important to be flexible, open to opportunities, and not too fixed on what you do & don’t want to do. Among younger people I work with, it’s easy to tell who is interested in the bigger picture and in taking opportunities, and who is just interested in getting a paycheck,” says Ivers-Read. “Ambition and thirst for knowledge—or the lack thereof—are blatantly obvious to senior leaders.”

On the future:

Johnson’s outlook for the future of women and diversity in bioscience is optimistic despite regular reminders of progress to be made. “When business magazines report low rates of VC investment in women-run companies, it can be sobering and disappointing,” she says. “But I’m encouraged that these issues are being recognized and discussed. Only through that will positive change continue to happen.”

Ivers-Read sees a virtuous cycle in effect. “We have more women in science and business, giving us critical mass to increase the proportion of high flyers, which creates more equality and an ever-greater proportion in senior-level jobs,” she says. “At Clovis alone, three of seven people on our executive committee are women, we have a female board member, and 14 men and 15 women at the SVP/VP level.”

Muller notes these positive trends within the CU system as well. “CU Denver has a female Chancellor, and UHealth and Children’s Hospital Colorado both have female CEOs. It’s unusual to see women in that type of top leadership, but it has really inspired women in academia and industry.”

Speaking to the bigger picture, Ivers-Read believes companies should actively foster an organizational culture that values diversity and egalitarianism. “Listen, understand, and accept diversity and multiculturalism. Look at people as equals. Value them for what they bring to the organization.”



Gillian Ivers-Read is a co-founder of Clovis Oncology (Boulder), a biopharmaceutical company developing cancer treatments for U.S. and other international markets. She has served as the company’s Executive Vice President, Technical Operations and Chief Regulatory Officer since its inception in 2009 and has more than 30 years’ experience with such pharmaceutical companies as Pharmion Corporation, Celgene, Inc., and Aventis Pharmaceuticals, Inc.



Kimberly Muller is managing director of the University of Colorado Innovations Office at Anschutz (Aurora). Muller has more than 18 years of experience in intellectual property management, licensing, academic-industry research partnerships, and venture capital-financed startups. She has held senior positions at the Yale Entrepreneurial Institute and Yale University’s Office of Cooperative Research, New Ventures; managed intellectual property and licensing at Curagen Corporation; and co-founded biofuel company Arbor Fuel.



Kristin Johnson is the founding CEO of Eximis Surgical (Louisville), whose XCor™ technology provides minimally invasive specimen removal during laparoscopic gynecologic and abdominal surgery. With a background in mechanical engineering and materials science, Johnson has more than 20 years’ experience in medical device development and business innovation at companies such as Eli Lilly, Guidant, Pfizer, ValleyLab, and Covidien.



Cancer can't

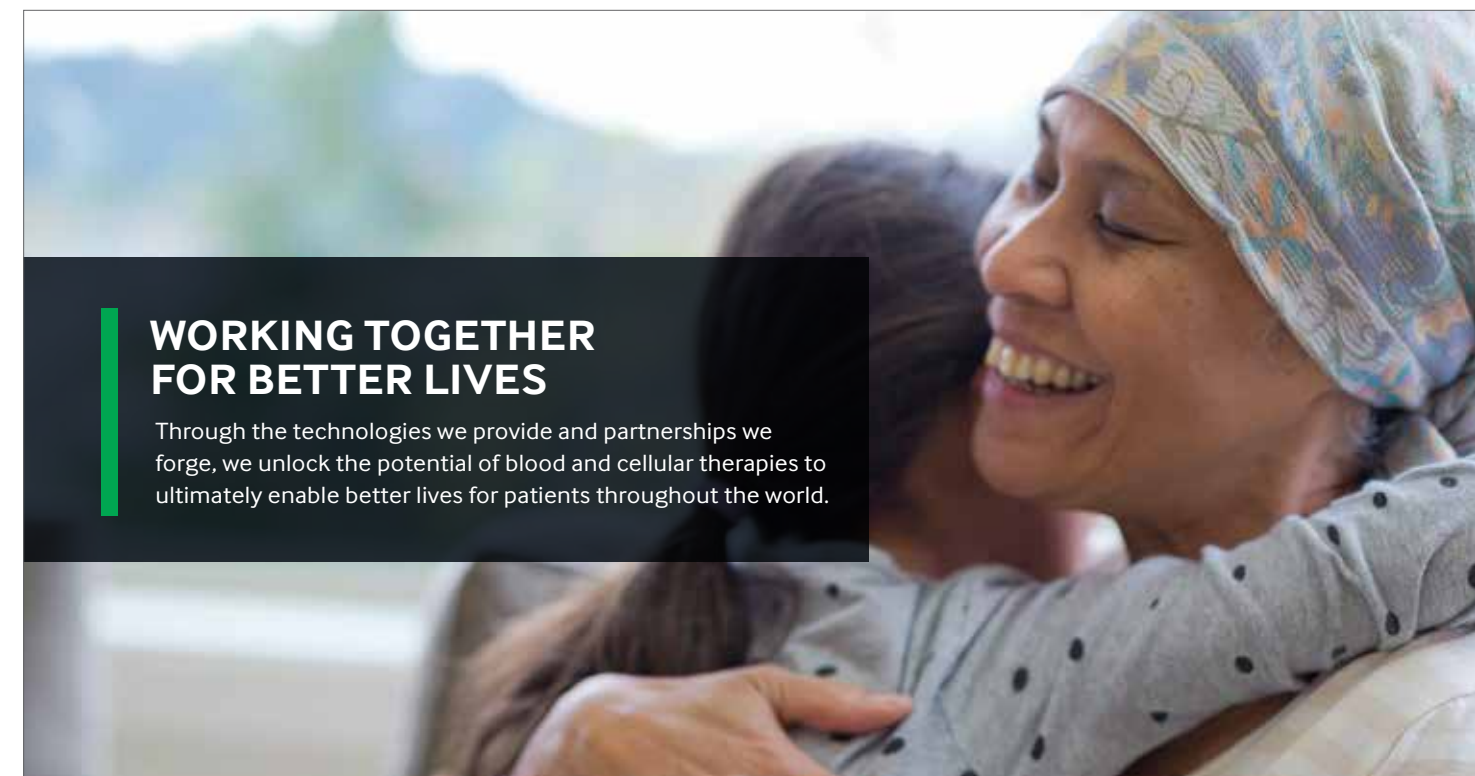
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CATALYST HTI

ENGINES FOR INNOVATION IN A **THRIVING** MARKET

WRITTEN BY: TYLER SMITH

THE IMAGE OF THE ENTREPRENEUR is embedded in American culture: an individual with an idea that can make the world a better place – and who labors tirelessly to bring it to fruition.

The biotech industry is full of such people, but they don't work in a vacuum. The world of healthcare, with its regulatory thickets, camps of stakeholders and intense competition, won't permit it. Successful entrepreneurs must collaborate creatively with many market sectors.

Incubators and accelerators can help start-up and scale-up developers of software, hardware, medical devices and pharmaceuticals hatch their ideas more quickly. In Colorado, these facilitators occupy universities, biotech parks, multi-floored innovation centers, classrooms and boardrooms. Their strategies differ, but they share a common belief: Commercial success demands integration, not isolation.

The notion has gained traction in Colorado's burgeoning biotech industry, which boasts 720 companies that employ 30,000

people, according to the Metro Denver Economic Development Corporation and a report from TEconomy Partners LLC commissioned by the Biotechnology Innovation Organization.

For example, the idea that academic research occurs in an insulated world is melting away, said Don Elliman, chancellor of the University of Colorado Anschutz Medical Campus, home to the University of Colorado's health sciences schools, UCHealth University of Colorado Hospital, and Children's Hospital Colorado. It attracts hundreds of millions of dollars in medical research funding each year and assists entrepreneurs with getting their ideas to market through CU Innovations. Yet the campus is not an island, Elliman stressed.

Consider that the campus will have an office in the seven-story Catalyst HTI building rising in Denver's River North neighborhood. The 180,000-square foot structure opens in June with more than 75 tenants, including some 50 life science start-ups, a total of four incubators and accelerators, investors,



Bioscience 3 is a 117,000-square foot, 3-story building scheduled to open mid-2019. It will have custom built labs, offices and warehouse/manufacturing space.

BIOSCIENCE PROFILES

Nicole Garneau shares (and sells) sensory science

DESPITE THE VARIETY OF HER career, all of the work Nicole Garneau, Ph.D., pursues is rooted in her devotion to helping people see how science works for them and can include them.

As director of the Genetics of Taste Lab at the Denver Museum of Nature & Science (DMNS), Garneau opens up the research experience to high school volunteers from under-resourced schools. These interns carry out the lab's community-based studies, which involve far more than just collecting data and DNA.



"We try to make study participants feel like ambassadors to science," she explains. "We let them know they're part of scientific history, so their contribution feels valued."

That desire to build bridges also led Garneau to co-found DraughtLab, which makes the science of human sensory perception accessible to beer brewers, and to give engaging public talks on the same topic.

Her recognition of those business opportunities likely resulted from her diverse experience. She worked as a corporate promotional marketer for a year before starting her PhD, and has also worked on a bean farm and in a motorcycle shop.

"I'm a big fan of taking breaks because it diversifies your skills," Garneau says. "I became a really good communicator."

Garneau shares her career insights and her personal story with students in the lab, whom she continues to mentor for years after they move on.

"Opening up about the challenges I've faced and the self-doubt I've felt helps them see that you don't have to be perfect or privileged to succeed professionally. The key is resilience." ©

and healthcare heavyweights that include Kaiser Permanente, the American Diabetes Association and many others.

"If you'd come to me three or four years ago and asked about technology transfer, the focus of it was providing support for intellectual property created by faculty on campus that had the prospect of some form of commercialization, whether that be licensing or turning into a start-up or a spin-off," Elliman said.

"We kind of woke up the past couple of years to the fact that while it is important to focus our support on CU-generated intellectual property, we were missing an opportunity in not trying to connect with IP created outside the university campus," Elliman said.

Mines and CU Boulder, said company CEO Mike Freeman. Innosphere supported 16 bioscience start-ups and scale-ups from across the Front Range in 2017, Freeman said.

A bioscience start-up's team typically includes a strong scientific/ technical team, often with limited experience making start-up business decisions, evaluating a new product's technical requirements or clearing FDA requirements, Freeman noted. Innosphere experts, including a scientific advisory board headed by Gary Luckasen, M.D., medical director for UCHHealth North, help to fill the gap.

"It's a reality check," Freeman said. "Would a physician or health system use the product that's been developed? Is it reimbursable down the

"Most incubators and accelerators don't have a massive healthcare engine across the street. If a start-up has an idea without clinical validation, they can call the chair of the surgery department and ask, 'Will it benefit patients?' That might lead to a clinical trial or an opportunity for co-development."

— STEVE VANNURDEN, PRESIDENT & CEO, FITZSIMONS INNOVATION COMMUNITY

The campus also has tight connections with neighboring Fitzsimons Life Sciences District, a rich resource for biotech innovators – 70 called it home as of January – created by the Fitzsimons Innovation Community (FIC).

The FIC fills the incubator/accelerator role, assisting growing companies with product and business plan development, capitalization and commercialization. But President and CEO Steve VanNurden prefers to call it an "integrator."

Its board of directors, for example, includes university, hospital, government and industry representation. Start-up leaders need only make a short stroll from the FIC's Bioscience Park Center to campus for access to testing facilities, medical equipment and thousands of research and clinical faculty from CU's health sciences schools, many of them practicing at two academic hospitals.

"Most incubators and accelerators don't have a massive healthcare engine across the street," VanNurden said. "If a start-up has an idea without clinical validation, they can call the chair of the surgery department and ask, 'Will it benefit patients?' That might lead to a clinical trial or an opportunity for co-development."

The entrepreneurial-academic bond is also evident at Innosphere, which partners with Colorado State University, Colorado School of

road? What evidence of market adoption can we identify?" An Innosphere-formed investor group also evaluates companies as potential candidates for financing.

From another perspective, clinicians who hatch ideas from experience in the hospital or clinic might need the help of an accelerator's business acumen and connections. Innosphere client Immunocept, which is developing a blood-filtering system, is an example. James Matson, M.D., Immunocept's president and CEO, formed the idea as a practicing critical care specialist. But he needed help developing a business plan and sales pitch, said Chris Jaynes, Immunocept's CEO.

Innosphere's accelerator program closed that gap, Jaynes said.

Eximis Surgical, developers of a system for minimally invasive removal of tissue specimens, took advantage of Innosphere's academic connections, said company CEO Kristin Johnson. The Eximis team has plenty of collective business and technical experience through stints at Covidien (now Medtronic), but needed help learning "a different ecosystem" in Colorado, Johnson said. Through Innosphere, students at CSU helped with market research.

"We learned about other investors, regulatory requirements, finances, taxes – all things

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BIOSCIENCE PROFILES

Ethan Mann captains a startup into the next phase

IT'S NO SURPRISE that Ethan Mann, Ph.D., also coaches youth sports teams. He leads Sharklet Technologies, a company that adapts shark skin-inspired textures to control the biological interactions of medical devices, in a similar way.

"It's about giving people the chance to grow," Mann says. "The more they feel like they're getting from their work here, the more they're willing to put in. It's also about ownership—if it's their idea, their success is the company's success."

He speaks from experience. Upon joining the company in 2013, he developed assays that were crucial to acquiring further funding. The work was challenging given how distinct Sharklet's solution is from most antimicrobials.

Solving problems continues to be a big part of Mann's role as COO, which he took on upon Sharklet's acquisition in May 2017 by Peaceful Union, an investment firm based in China.

"Right now, my focus is on selecting the right applications for our technology—where there's a good balance of scientific evidence, business potential, and manufacturing feasibility."

So far those applications include wound dressings, temporary implantable catheters, and consumer products. Given Mann's long-term commitment to leading the company and sincere belief in the Sharklet micropattern, the company's product line will surely expand.

"We have such a simple, unique solution that sidesteps the usual negative impacts of antimicrobials and has millions of years of evolution behind it." ©



"It's about giving people the chance to grow... It's also about ownership—if it's their idea, their success is the company's success."



Colleagues chat in a common area in the Boomtown Accelerator.

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entrepreneurs need to know," Johnson said. "It was a smart and lean way to accomplish that."

Meanwhile, the Catalyst HTI project aims to create problem-solving synergy – "serendipitous collisions," as President Mike Biselli puts it – under a single roof.

"We need people willing to try new things in a highly regulated industry, but we are not going to re-imagine healthcare off the backs of start-ups alone." He points to a Kaiser Permanente clinic in the Catalyst building as a crucial resource for start-ups to test their ideas.

"The cutting-edge technologies that these wick-ed-smart entrepreneurs are dreaming up and building can't be done in a vacuum," he said. "They have to hear from the end-users, including providers and patients."

Mehmet Kazgan, CEO of cliexa, which will be an occupant of the new building, compares the Catalyst concept to "LinkedIn in a building. Instead of trying to get out to people or reach out over a virtual network and environment, you will walk into a room of people and meet them, either grabbing lunch or during events you do together."

The Catalyst move seems a natural for cliexa, which develops platforms to push real-time clinical data to providers managing chronic diseases like rheumatoid arthritis. It will be close by

Kaiser, with whom it is working on a pilot project. That relationship grew from working in 2016 with Boulder-based Boomtown Accelerator, also a Catalyst occupant with its partner, Colorado Permanente Medical Group.

Boomtown offers a rigorous 12-week curriculum for "early-stage entrepreneurs" that is "akin to grad school," with attention to market analysis, product development, and finances, said Tom Base, managing director for HealthTech. Boomtown also provides financial support to all companies that go through the school and assistance from mentors matched to their innovative bent.

The Boomtown accelerator program gave cliexa a firm foundation, Kazgan said. "We had access to their entire mentor network, which is essential for any start-up to get advice, expand the network, and build relationships for further strategic partnerships."

Base said Boomtown is now adding "one more layer" to its curriculum with classes on "patient-centricity": developing user-friendly products for healthcare consumers. The project grows from Boomtown's partnership with the National Health Council to create a "patient-centered healthcare accelerator."

It's sorely needed, Base said. He noted that healthcare was the largest investment sector

of the Colorado economy last year – and investments in patient engagement are some of the leading investments across the country. But of roughly 165,000 healthcare applications, a tiny percentage are thoroughly tested, and most are quickly ignored, he added.

"That's because developers didn't consider the human factor in designing them," Base said. "We need things in healthcare that people will actually use."

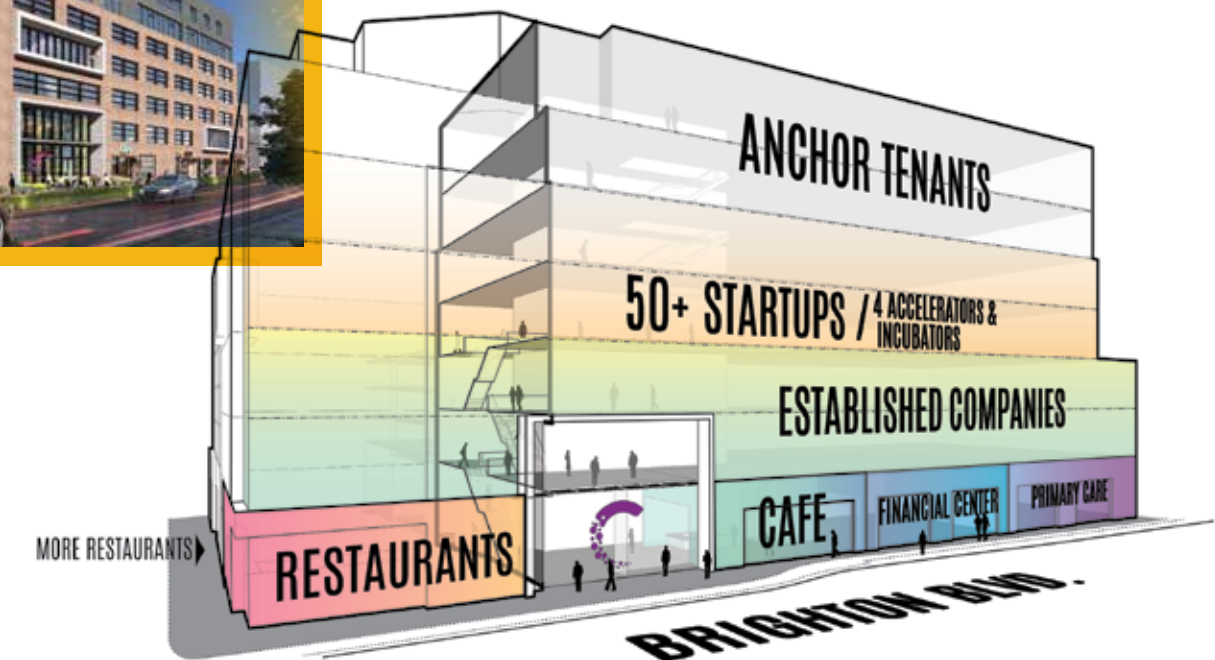
Apart from innovative drive, entrepreneurs will need help understanding a healthcare system transitioning to a payment system that rewards not only volume but also measures of value, like outcomes and efficiency, Base believes. Innovators must be willing to acknowledge the present while keeping an eye fixed on the future, he said.

The Colorado biotech community is uniquely positioned to transform a healthcare system that now consumes nearly 20 percent of the gross national product and is notoriously resistant to change, Biselli maintains.

"I believe in Colorado we have a deep sense of the importance of collaboration and togetherness," Biselli said. "It's in our cultural DNA. It's our secret weapon, and we can leverage it and help propel ourselves to re-imagine healthcare." ©



Catalyst HTI offers access to accelerators, incubators and industry leaders, as well as restaurants, coffee shops, and health care facilities.



BOETTCHER FOUNDATION ADVANCES EARLY INVESTIGATORS' RESEARCH



COLORADO CAN ONLY BE A LEADER in scientific innovation if its most dynamic scientific minds are supported at early stages in their work.

The Boettcher Foundation's Webb-Waring Biomedical Research Awards program aims to support scientific innovation in Colorado by providing biomedical research funding for early career investigators at the state's research institutions.

Recipients of Webb-Waring Biomedical Research Awards, or "Boettcher Investigators," are awarded research grants of \$235,000, covering up to three years of biomedical research. The grants help Boettcher Investigators establish themselves and their research. As a result, they become competitive for major awards from federal agencies and private sources.

By funding researchers at this critical juncture, the Boettcher Foundation seeks to keep

promising research on track and ensure that Colorado's best scientific minds aren't compelled to leave the state in search of funding.

The Boettcher Foundation seeks to keep promising research on track and ensure that Colorado's best scientific minds aren't compelled to leave the state in search of funding.

Since the first class was selected in 2010, Boettcher Investigators have gone on to receive major funding from a variety of federal sources, including the National Institutes of Health and U.S. Department of Defense. In fact, since the program's launch, Boettcher Investigators have gone on to earn a collective \$34 million in subsequent independent research funding.

"Our goal in creating the Webb-Waring Biomedical Research Awards was to help promising early career investigators accelerate their research by bridging that critical gap between working under other researchers and securing major independent funding," said Katie Kramer, president and CEO of the Boettcher Foundation. "Our funding helps scientists focus on their research rather than worrying about how it will be funded."

The Webb-Waring Biomedical Research Awards were created as the result of an innovative agreement among the Boettcher Foundation, the Webb-Waring Foundation for Biomedical Research and the University of Colorado. The Webb-Waring Institute became part of the University of Colorado in 2008.

At that time, the assets of the Webb-Waring Foundation were entrusted to the Boettcher Foundation, whose history of philanthropic giving

in Colorado stretches back to 1937. The Boettcher Foundation and the University of Colorado also committed to matching Webb-Waring monies to create a new and permanent funding stream for biomedical research in the state.

Since the program's launch, 54 early career scientists have received Webb-Waring Biomedical Research Awards. Boettcher Investigators are receiving major independent funding an average of five years younger than their peers. In addition, 95 percent of award recipients still reside at Colorado research institutions, advancing the foundation's mission of keeping Colorado's top scientific minds in-state.

"We are continually impressed by the caliber of the community of Boettcher Investigators, and we are grateful to the Boettcher Foundation for their financial support of their important research," said April Giles, president & CEO of the Colorado BioScience Association.

2017 marked another successful year for the Webb-Waring program, with Boettcher Investigators continuing to make significant scientific advances and earn noteworthy research funding.

Among the Boettcher Investigators who received significant research awards last year:

- **Abigail Person, Ph.D.**, assistant professor of Physiology and Biophysics at the University of Colorado's Anschutz Medical Campus, was awarded an NIH R01 award totaling \$336,000 toward her research on corollary discharge signals with the goal of better understanding motor control;
- **Taiowa Montgomery, Ph.D.**, an assistant professor of Biology at Colorado State University, was awarded a 5-year NIH R35 award totaling \$1.86 million toward his research into microRNAs in drug resistance, pathogen defense and development;
- **Shadong Dai, Ph.D.**, an associate professor of Integrated Immunology at National Jewish Health, was awarded an NIH R21 award totaling \$435,875 toward his research into heavy metal induced autoimmunity.

Collectively, Boettcher Investigators received a combined \$7 million in subsequent research funding in 2017.

The Boettcher Foundation's Webb-Waring Biomedical Research Awards program represents an important investment in scientific research.

"The Boettcher Foundation invests in the promise of Colorado and the potential of Colorado," said Kramer. "The Webb-Waring program is an important facet of that investment, and we are honored to play a small role in helping Colorado's top scientists accelerate their research toward advancing human health." ©

INTERESTED IN APPLYING?

Early career investigators interested in applying for Webb-Waring Biomedical Research funding should visit their institution's research department for more information.

For more information on the Boettcher Foundation, please visit www.BoettcherFoundation.org.

2017 BOETTCHER INVESTIGATORS

COLORADO STATE
UNIVERSITY

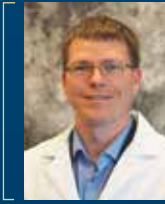


Erin Osborne Nishimura, Ph.D.
Assistant Professor of Biochemistry and Molecular Biology – Gene expression, chromatin and developmental biology



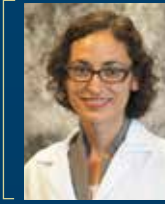
Kelly S. Santangelo, DVM, Ph.D.
Diplomate ACVP, Assistant Professor of Veterinary Pathology – Prevention and therapy of post-traumatic osteoarthritis

COLORADO
SCHOOL OF MINES



Andrew Petruska, Ph.D.,
Assistant Professor of Mechanical Engineering – Magnetic manipulation for medical applications

NATIONAL
JEWISH HEALTH



Camille M. Moore, Ph.D.,
Assistant Professor of Biostatistics – Statistical methods for longitudinal RNA-sequencing data



Joshua C. Black, Ph.D.,
Assistant Professor of Pharmacology – Epigenetic regulation of tumor heterogeneity



Angelo D'Alessandro, Ph.D.,
Assistant Professor and Director of the Metabolomics Core - School of Medicine – Systemic metabolic reprogramming in health and disease

UNIVERSITY OF COLORADO
ANSCHUTZ MEDICAL CAMPUS



Kristine A. Kuhn, MD, Ph.D.,
Assistant Professor of Medicine, Division of Rheumatology – Gut-joint lymphocyte trafficking in inflammatory bowel disease and spondyloarthritis



Eric M. Pietras, Ph.D.,
Assistant Professor of Hematology – Hematopoietic stem cell and inflammation biology



John A. Thompson, Ph.D.,
Assistant Professor in the Department of Neurosurgery – Neurobiology of sensory-motor driven decision-making processes



INNOVATION IS IN OUR BONES



*Colorado's forward-thinking,
collaborative culture yields
advancements in orthopedics*

WRITTEN BY: **JEANNE MCADARA, PH.D.**

WHEN HE THOUGHT ABOUT current surgical solutions for spinal disc degeneration, Dr. Vikas Patel M.D., professor, chief of orthopedic spine surgery, and fellowship director at the University of Colorado Anschutz Medical Campus, could see there was a problem to be solved. The idea behind spinal fusion is fairly straightforward: remove damaged or deteriorated soft tissue cushioning the adjacent vertebrae, fix the bones together using simple hardware, and allow the bones to grow together over time. But a perplexing complication of the procedure is the tendency for the hardware—essentially, a metal plate and a few screws—to rub against the neighboring intervertebral discs, causing new degeneration.

“Every process has its problems, and there are lots of problems in spine surgery,” says Patel. He did have a solution in mind: a cervical plate shaped to minimize contact with neighboring discs. In order to work, his design required reducing the plate’s height as much as possible. “I wanted to connect the plate to the vertebra without requiring the metal to completely surround the screw heads.” The trick was how to achieve this without compromising the plate’s structural integrity and ability to stabilize the fusion.

Having trained as an engineer before becoming a surgeon, Patel knew that the shipbuilding industry had long ago found a way to tightly repair cracks in ships’ hulls using special screws, threaded so as to draw sections of metal together rather than splay them apart like standard screws would. He felt certain that the right thread design would allow his idea to work.

“And that’s where my expertise ended,” says Patel. “The question was, how to get from concept to prototype to FDA-cleared product?”

Rushika Perera aims high to fight tropical disease and global inequities in science

“DENGUE VIRUS CAUSES tens of thousands of deaths each year, and most of those are among children,” says Rushika Perera, Ph.D., assistant professor at Colorado State University. “Since insecticides and mosquito nets clearly aren’t enough, and decades of research haven’t led to an effective vaccine, I’m working towards an entirely novel way to block dengue transmission.”



Perera’s approach, funded by the Boettcher Foundation, is to find out which chemical processes in the mosquito midgut are critical for the dengue virus to be able to copy itself. Then they can look for ways to block them, which could also limit the spread of related viruses like chikungunya and Zika.

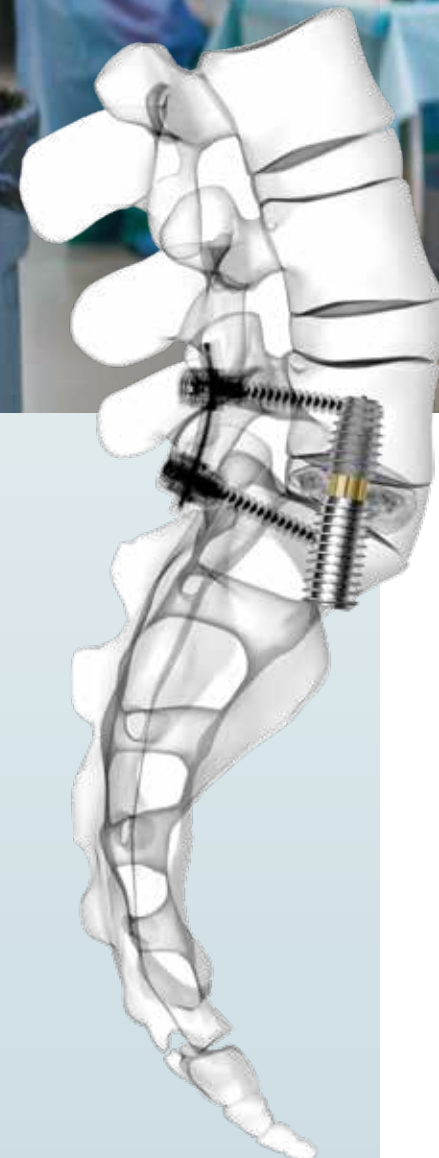
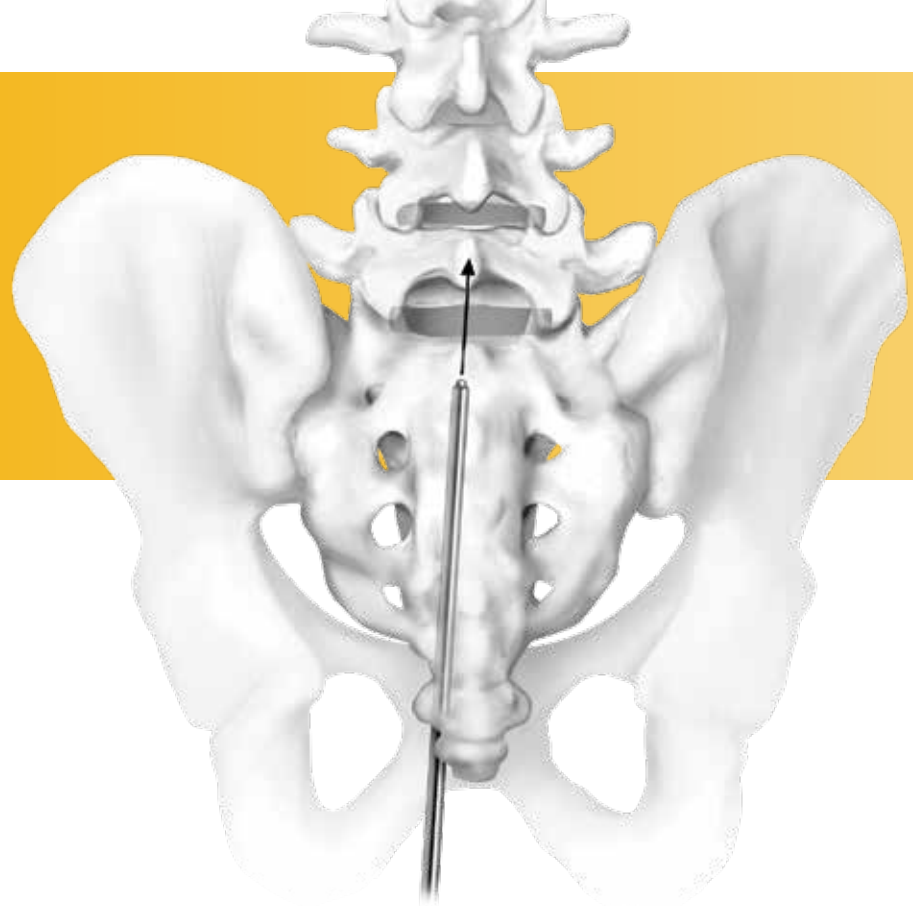
Her team first has to characterize the whole molecular landscape of the mosquito midgut during and in the absence of infection. That requires complex methods called metabolomics, which are just now reaching their prime.

To get an undergraduate degree, she left her native Sri Lanka because of the civil war, found a university with enough financial aid and worked in the cafeteria to pay the remainder of her tuition.

But Perera has never been daunted by a challenge. To get an undergraduate degree, she left her native Sri Lanka because of the civil war, found a university with enough financial aid and worked in the cafeteria to pay the remainder of her tuition.

“Because I’m so proud and grateful to have secured a faculty position, I’m sharing the benefits,” she says. Perera brings young women virologists from developing countries into her lab for months-long stints to take advantage of CSU’s resources, and sometimes even houses and feeds them. She has bigger ideas for the future.

“I want to combat gender bias and inequality in science on a global scale.” ©



TranS1 staff and spine surgeons collaborating at a medical education and product development lab at the Center for Surgical Innovation.

“Having trained as an engineer before becoming a surgeon, Dr. Vikas Patel M.D. knew that the shipbuilding industry had long ago found a way to tightly repair cracks in ships’ hulls using special screws, threaded so as to draw sections of metal together rather than splay them apart like standard screws would. He felt certain that the right thread design would allow his idea to work.”

After working with his own students and an engineering consulting firm to refine his design and create 3D models, Patel began talking with TranS1 (Denver).

TranS1’s history is an interesting one. Brandon Arthurs, the company’s vice president of research and development, says that TranS1 got its start in the early 2000s with the AxiaLIF™ (Axial Lumbar Interbody Fusion) product line, which enables a blood- and trauma-sparing, pre-sacral, axial approach to lumbar (L4-L5 and L5-S1) fusion. AxiaLIF was first cleared for market in 2005 and the venture-backed company underwent an IPO in 2008, then acquired San Jose, California-based Baxano in 2013. Unfortunately, financial difficulties at the new partner sunk both entities, but Arthurs says that AxiaLIF remained a strong product with a loyal customer base of innovative, forward-thinking surgeons, a strong clinical track record, and a solid base of evidence proving its clinical advantages. That left open an opportunity for investor, engineer, and patent attorney Jeff Schell—founder of the Colorado-based Quandary Group—to purchase the intellectual property (IP) and the TranS1 name out of bankruptcy and, as its new CEO, revitalize the company and its products.

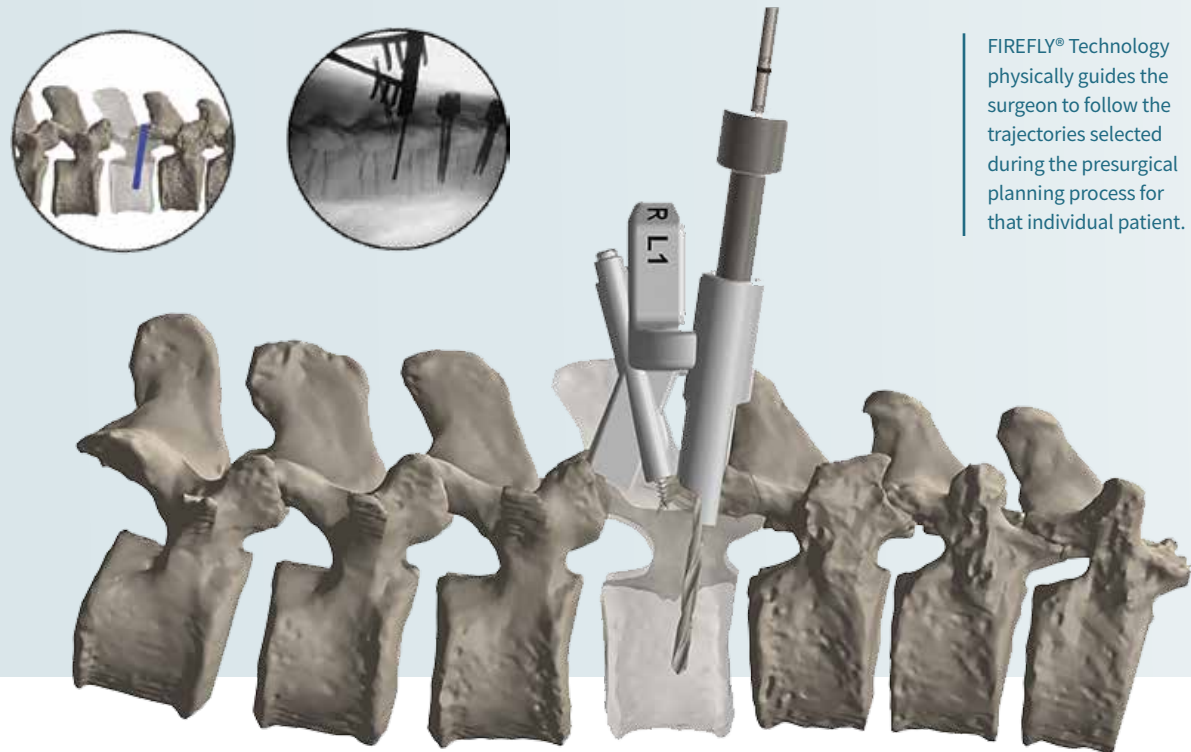
“The names and the faces and the core product are the same, but the company is immensely different,” says Arthurs, who was an early employee recruited back to TranS1 by Schell to help with

the reboot. “We are almost like a startup again, except we have a vast surgeon base and a strong, mature product. And, although pre-sacral surgical access remains a core focus for us, we’re also looking to develop new innovations that minimize surgical trauma to the spine and improve patient outcomes.”

Patel had been a long-time user of AxiaLIF, according to Arthurs, and when he met with TranS1 to show them his proposal, the timing was just right. “Everything new we’re working on is different, innovative, and comes directly from partnering with surgeons,” says Arthurs. “Our R&D group is small but aggressive, with 15 active projects right now, because we have so many relationships with forward-thinking surgeons around the country.”

The partnership has worked well. Patel says TranS1 has been eager to help him refine his idea from “something that was ‘pretty interesting’ to something really slick—that would be easier to implant than standard-of-care cervical plates, compatible with commercially available orthopedic hardware, and scalable for manufacturing.”

Further, instrumental to the entire endeavor has been support from UC Denver’s Center for Surgical Innovation (CSI), a multidisciplinary surgical training center affiliated with the five surgical departments on the Anschutz Medical Campus: Department of Surgery, Department of



FIREFLY® Technology physically guides the surgeon to follow the trajectories selected during the presurgical planning process for that individual patient.

Orthopedics, Neurosurgery, Otolaryngology and housed on the Fitzsimons Innovation Campus, and the CU Innovations Office, which Patel describes as “a coach and teammate to navigate the legal and business side of development.”

“CU Innovations has become really good at providing support for physician innovators,” says Patel, “not just considering their ideas for IP, but actually helping to connect them with industry and entrepreneurs in general, different departments on campus, and guiding them from idea to CAD to prototyping, through the process of presenting and partnering with industry.”

Similarly, while CSI started out in 2005 providing surgical training for internal staff, students, and faculty, it has expanded both in physical size and mission, according to Center Director Sarah Massena.

“We now provide multidisciplinary trainings to internal and external medical affiliates, and for all members of a surgical team, in virtually every specialty,” says Massena. “Medical personnel and industry partners come to CSI to learn or perfect new techniques, get experience with new products, and work on research, development, and design validation of novel technologies.”

Multi-faceted collaborations like these—which give rise to breakthroughs not only in products but in processes—tend to be common in Colorado, which has been noted before for its vibrant bioscience ecosystem. Heidi Frey, president and co-founder of Mighty Oak Medical (Englewood) cites her company’s collaboration with 3D Systems (Littleton) on the FIREFLY® pedicle screw navigation guide as another example of how Colorado collaboration is advancing the field of orthopedics.

“What’s going on in surgical navigation here is a great example of a Colorado microecosystem,” says Frey. “From concept to commercialization, we have had support from the State of Colorado, primarily through an Advanced Industries grant. We looked internationally before finding our ideal 3D printing partner right here in Colorado, and Children’s Hospital Colorado performed the first pediatric case with FIREFLY.”

Frey founded Mighty Oak Medical together with her husband, a local orthopedic spine surgeon and “serial inventor,” in 2011. She says their initial goal was to create a spine technology incubator, both to develop some inventions they already had in mind and to help other spine surgeons develop and commercialize their own novel ideas.

Completely self-funded and built from the ground up, the company now has 16 employees

including engineers, regulatory affairs, and quality assurance, and a portfolio of promising projects and IP at all different stages in the development continuum.

Their lead product FIREFLY is a 3D-printed, patient-specific solution for surgical navigation during spinal surgery. Mighty Oak Medical offers surgical guides personalized to each patient and precisely fit to the specific vertebral level on which each will be used, along with “concierge pre-surgical planning” with pre-determined screw trajectories. “It’s like having a detailed blueprint for a complex surgery, for each and every patient.”

“Compared to the freehand technique, computer-aided surgical navigation dramatically improves the accuracy of screw placement, but currently its advantages are offset because it is just not user friendly,” says Frey. She says current navigation and robotics systems can be complex, expensive, and time-consuming to set up. “All this complexity is occurring in the operating room during the surgery, and there are multiple potential technological failure points that can either result in delaying the procedure or having to proceed without navigation,” says Frey.

According to Frey, the FIREFLY system has a validated accuracy of 99.7%. Relying exclusively on preoperative CT data, the pre-surgical planning receives the surgeon’s approval prior to the guides being created. Custom surgical guides for each level to be fused, along with an anatomically exact spine model, are then 3D printed and shipped to the hospital.

“

What’s going on in surgical navigation here is a great example of a Colorado microecosystem. From concept to commercialization, we have had support from the State of Colorado, primarily through an Advanced Industries grant. We looked internationally before finding our ideal 3D printing partner right here in Colorado, and Children’s Hospital Colorado performed the first pediatric case with FIREFLY.

– HEIDI FREY
PRESIDENT AND CO-FOUNDER
OF MIGHTY OAK MEDICAL

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O-arm™ Surgical Imaging
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TO INNOVATE
IN WAYS THAT BRING
PRECISION AND
PREDICTABILITY.**

For further information, please consult:
www.medtronic.com/StealthStation
www.medtronic.com/Oarm
www.medtronic.com/MazorX

Caution: Federal Law (USA) restricts these devices for sale by or on the order of a physician. Refer to product instruction manual/package insert for instructions, warnings, precautions and contraindications.

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Aimee Jackson gathers the best talent to make RNA drugs that work



AIMEE JACKSON, PH.D., vice president of research at miRagen Therapeutics, has shepherded three compounds from discovery to clinical trials in just five years. If that wasn't impressive enough, all of those drug candidates are in a class so new that none have yet been approved—modulators of microRNAs. And they're directed at distinct conditions: leukemia and lymphoma, fibrosis, and ischemia.

Jackson credits the rapid clinical translation she's overseen to the team she helped build at miRagen. "I have a knack for hiring people who can thrive in a field that changes all the time, and who have the potential to become leaders in their own right," she says.

"I'm always trying to do things that haven't been done before," she says. "That's why I work in this area..."

What Jackson recognizes in the scientists she's recruited is a shared love of pushing the boundaries of biology.

"I'm always trying to do things that haven't been done before," she says. "That's why I work in this area—microRNA-targeted therapeutics could have much bigger effects than traditional small molecules because they control whole networks of genes instead of just one receptor or kinase."

Her belief in the revolutionary potential of this approach has kept Jackson going throughout her career. She previously led development of RNAi-based and microRNA-targeted therapeutics at Rosetta Inpharmatics, Merck, and Regulus.

Jackson uses her enthusiasm to keep the team inspired. "I still get very excited about primary data. Every challenge we overcome is an opportunity to celebrate." ©

"All of the navigation setup and surgical planning tasks that usually happen intraoperatively—the FIREFLY system handles them safely and efficiently, days in advance," says Frey. "Moreover, the surgeon has essentially been given the opportunity to hold the patient's spine in his or her hands, learn the anatomy, dry-fit the guides, and review screw placement plans before ever walking into the OR. On the day of surgery, they can focus on performing the surgery rather than on teeing up complicated equipment that may or may not function well."

According to Benjamin Johnson, Director of Product Development for Healthcare at 3D Systems, Mighty Oak Medical's printing partner, innovations like FIREFLY have been made possible by a convergence of advancements not only in quality and analysis of 3D medical imaging data, but also in the functionality and regulatory issues around use of 3D printing in healthcare.

"3D printing has a longer history than most people realize," says Johnson. "3D Systems was founded in the mid 1980s with our first patents in 1984 and the first 3D printers commercialized in 1986.

"Originally, applications for 3D printing focused on prototypes and models for design engineers, but that changed as materials and printers were developed for making end-use parts geared toward specific industries like healthcare. 3D Systems has been actively involved in healthcare for almost twenty years, and many of the very first FDA-cleared, 3D-printed medical devices were produced on 3D Systems' equipment," says Johnson.

"Since then, digital representations of patients have become increasingly useful tools for the surgeon," he says. "Our goal is to improve surgical outcomes—both clinical and economic—by giving surgeons the ability to pre-plan surgery and reduce OR time. Those principles led us to our collaboration with Mighty Oak."

3D Systems' long history with 3D printed healthcare solutions, and the regulatory pathways to achieve clearance for such devices, has been valuable to Mighty Oak Medical and its many other partners. While the Firefly models are printed in autoclavable plastic resins, 3D Systems has more than 50 printers on site

capable of printing products in titanium, stainless steel, durable nylon, and other polymeric materials. They can print complex or porous structures for implants, and are working with partners to manufacture medical devices related to spinal fusion, acetabular cups for hip replacements, total knee and ankle arthroplasties, and other orthopedic applications.

"We have a lot of expertise and capability at our disposal, and we are very interested in collaborating more closely with Colorado-based bioscience and academia to drive adoption of 3D printing solutions in healthcare," says Johnson.



"We have a lot of expertise and capability at our disposal, and we are very interested in collaborating more closely with Colorado-based bioscience and academia to drive adoption of 3D printing solutions in healthcare"

BENJAMIN JOHNSON
DIRECTOR OF PRODUCT DEVELOPMENT FOR HEALTHCARE, 3D SYSTEMS

Although orthopedics-focused organizations in Colorado appear heavily concentrated in spinal and surgical solutions, other products and research coming out of the state include biologics, hip, knee, and shoulder products, and nonsurgical solutions to orthopedic disorders. A graduate and current tenant of the Innosphere in Fort Collins, Green Sun Medical is using 3D imaging and modeling to develop a new and non-invasive

approach to abnormal spinal curvature caused by scoliosis and kyphosis.

Scoliosis affects as much as 3 percent of the general population. According to Jamie Haggard, CEO and co-founder of Green Sun Medical, about 80 percent of these cases are idiopathic, meaning that they have no clear cause. Idiopathic scoliosis affects approximately 4 out of 100 adolescents, the vast majority of whom are girls. Without intervention, the degree of spinal curvature may worsen during the rapid growth period of adolescence, potentially necessitating future spinal surgery fusing as many as 10 vertebral levels.

Haggard says that scoliosis bracing technology is essentially the same as it was when first developed in the 1970s, and in the best-case scenario all it can do is halt or at least slow progressing spinal curvature, but not correct it.

"These are rigid, hand-made, bespoke plastic braces that are just simply not capable of providing correction," says Haggard. "So currently, when a 12-year-old girl presents with a 32-degree curvature in her spine, the best that can be done for her—the current, nonsurgical gold standard—is to try to keep her from getting worse."

Haggard says that most improvements in treatment for spinal deformity have been in the surgical field. "New screws, growing rods, tethering...the entire field is focused on surgery, but in the end we are still operating, and sometimes still doing these massive spine fusions in kids like we did 50 years ago, with all of the associated risks. So, we thought: why not focus on preventing surgery instead?"

According to Haggard, he and his co-founder, current Chief Technology Officer Matt Thompson, set out in 2013 to develop a back brace that harnesses the kinds of forces used by Invisalign orthodontic aligners to provide gentle but continuous corrective pressure to the spine. The end result was a modular orthotic device that is custom-fitted to the patient using 3D images of the patient's spine. The dynamic structure of the device exerts corrective pressure on the spine but is flexible enough to allow patients to move and bend more naturally and comfortably than they can in a standard brace. Bluetooth-enabled sensors allow for collection of real-time pressure data and patient compliance.

With the device registered as Class 1 exempt with the U.S. FDA late last year, Green Sun Medical will be conducting clinical studies in April, in conjunction with top pediatricians and orthopedic surgeons in Colorado and across the U.S., first to demonstrate non-inferiority to standard back braces and then to evaluate the brace's efficacy as a corrective device. The company plans to pursue indications for both adolescent idiopathic scoliosis and for kyphosis, a degenerative curvature of the upper back that generally affects older adults.

For its efforts so far, Green Sun Medical has already won the MedTech Innovator Grand Prize at AdvaMed's 2016 MedTech Conference. Collectively, the organizations covered in this story have won numerous prestigious awards for technology and innovation from industry advocacy organizations, the FDA, and private and public funding agencies. Ultimately, all echoed a similar sentiment as Haggard, which is that the true rewards to be gained from their work are in improved outcomes for the patients they seek to serve. Says Haggard, "Sure, winning that big award was great, but even better, we're going to be able to help kids soon." ©

A Sample of
COLORADO ORGANIZATIONS FOCUSED ON ORTHOPEDICS



3D SYSTEMS HEALTHCARE

Littleton
3dsystems.com/industries/healthcare
3D printed solutions for virtual surgical planning, anatomical modeling, medical device design & manufacturing, and medical and surgical simulation

ABILITIES UNLIMITED

Colorado Springs
auiop.com
Full service prosthetic and orthotic laboratory, providing custom artificial limbs and orthopedic appliances.

ADVANCED REGENERATIVE THERAPIES

Fort Collins
art4dvm.com
Bone marrow derived stem cell expansion services for veterinarians.

ARTHROVENTIONS

Denver
arthroventions.com
Developing technologies that enable more effective joint care.

ARTICULUS BIO

Boulder
articulusbio.com
A development-stage orthopedic medical device platform focused on total joint replacement.

CERAPEDICS

Westminster
cerapedics.com
Biologics (peptide enhanced bone graft substitutes)

GREEN SUN MEDICAL

Fort Collins
greensunmedical.com
Dynamic brace to treat scoliosis and kyphosis.

MEDTRONIC NAVIGATION, INC.

Louisville
medtronic.com
Surgical navigation for cranial and spine procedures.

MIGHTY OAK MEDICAL

Englewood
mightyoakmedical.com
3D printed solutions for spinal presurgical planning and navigation.

OPTIO SURGICAL

Lakewood
optiosurgical.com
Tracks orthopedic devices used in surgery and displays post operative analytics on exact usage, cost and waste to help providers increase profitability and transparency.

SI TECHNOLOGY

Fort Collins
si-technology.co
A minimally invasive, innovative system designed to stabilize and fuse a painful Sacroiliac Joint.

STEADMAN PHILIPPON RESEARCH INSTITUTE

Vail
sprivail.org
Clinical research in osteoarthritis, healing, surgery, and injury prevention and rehabilitation.

TRANS1

Denver
trans1.com
3D printing and additive manufacturing of innovative spine products.

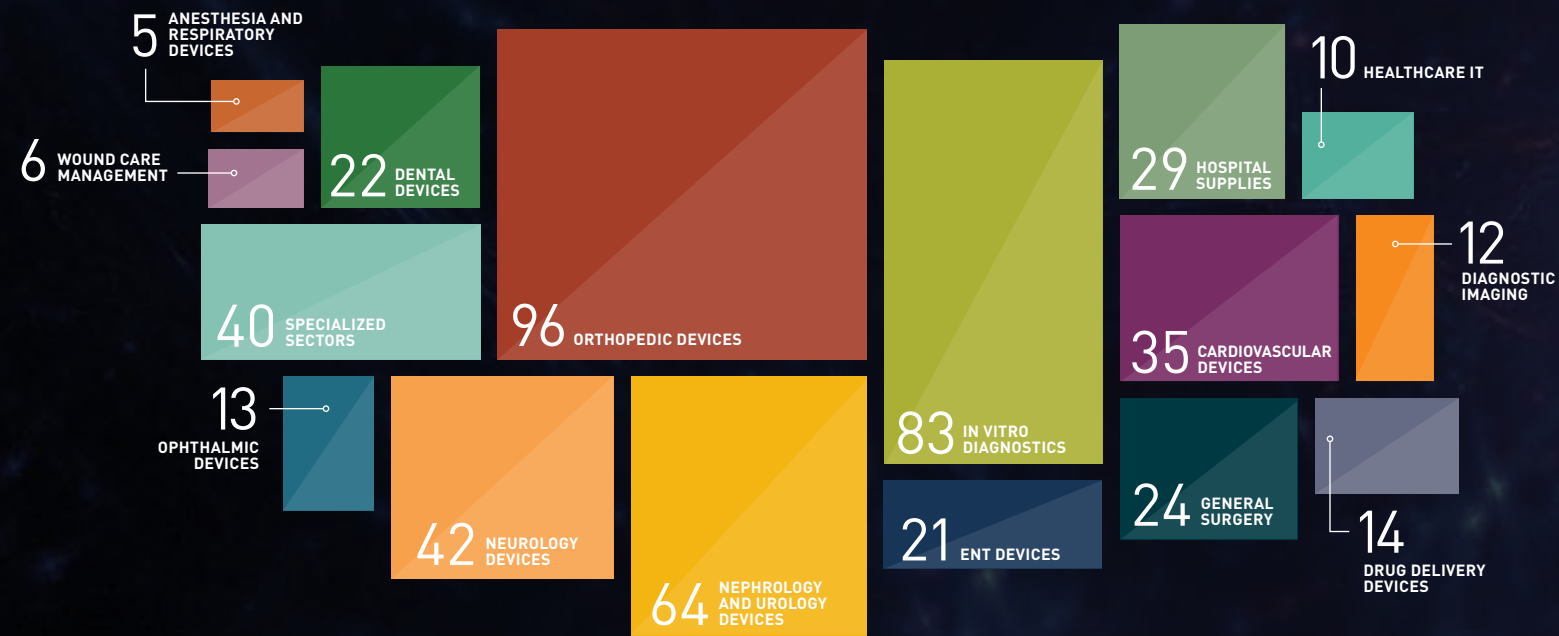
ZIMMER BIOMET SPINE DIVISION

Westminster
zimmerbiomet.com
Thoracolumbar, cervical, biologics, and implantable solutions. Other divisions of Zimmer Biomet specialize in a wide range of orthopedic applications.

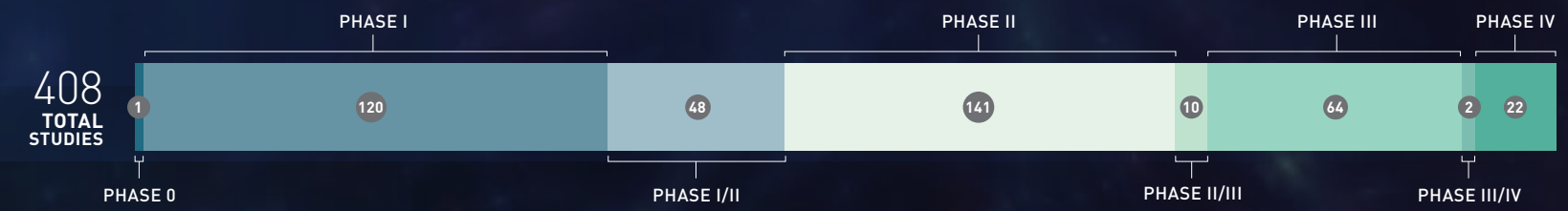
TAKING a CLOSER LOOK

Drug, Device and Therapy Assets in Colorado

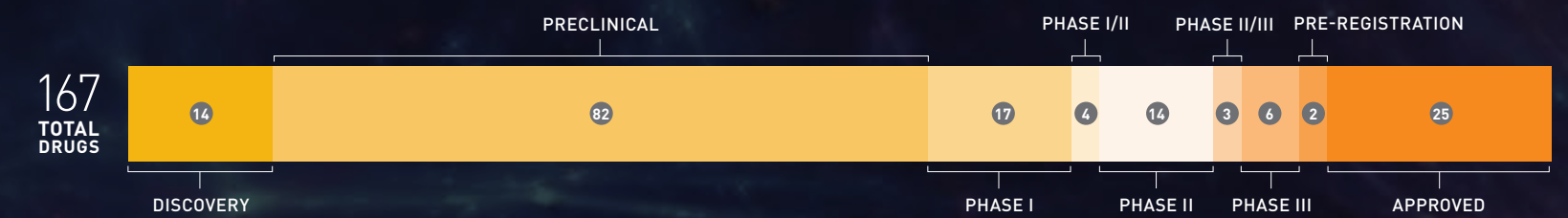
MEDICAL DEVICES // BY THERAPEUTIC AREA



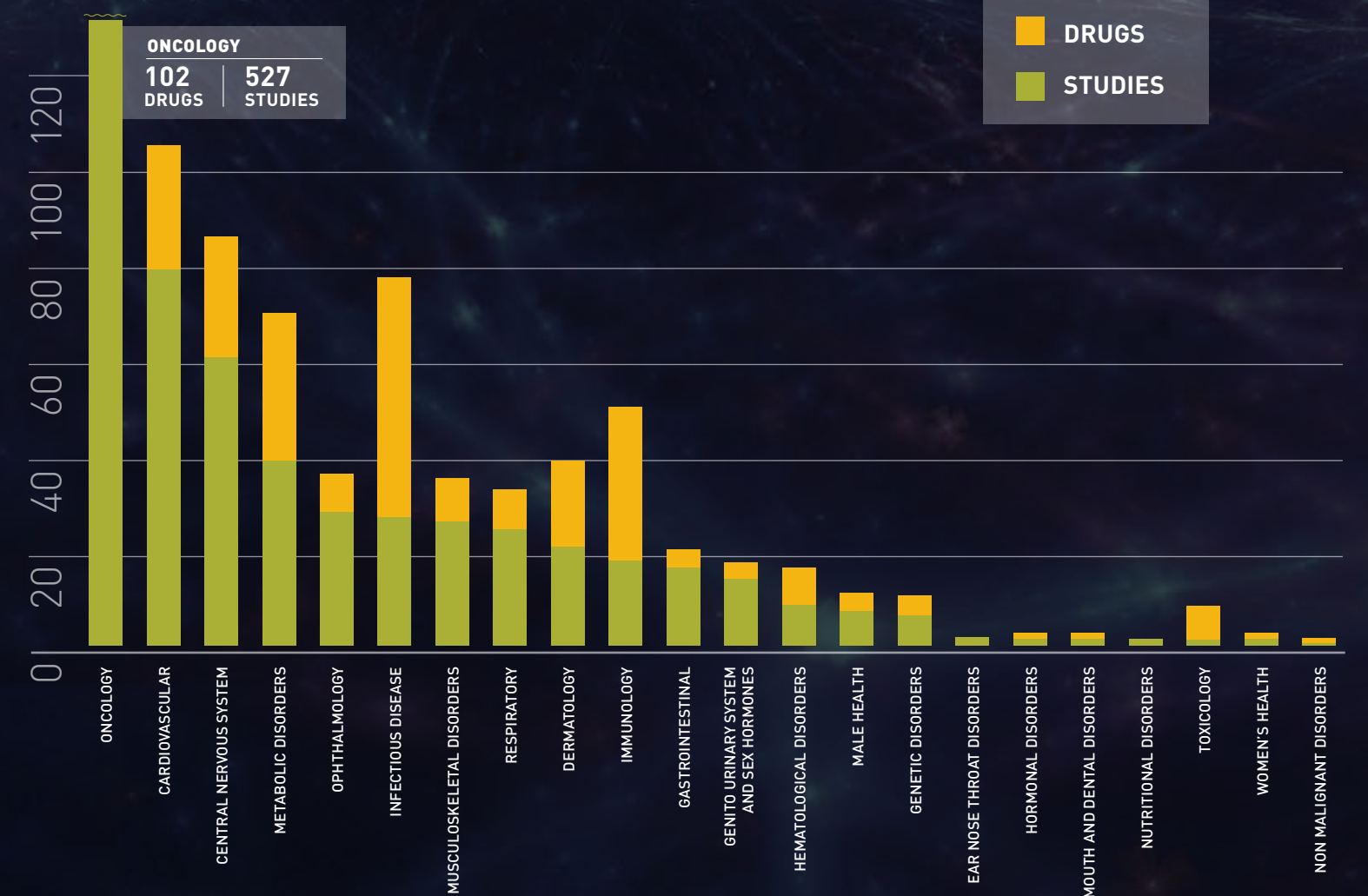
CLINICAL STUDIES // BY STATUS



DRUGS // BY PHASE



DRUGS AND STUDIES // BY THERAPEUTIC AREA



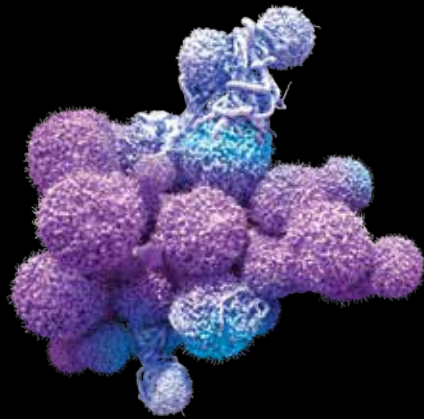
516
TOTAL DEVICES
APPROVED OR INVESTIGATIONAL
(SINCE 2010)

2017 APPROVALS // MEDICAL DEVICES

28

510K

1 PMA



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COLORADO BY THE NUMBERS

2017 // GRANTS

Organization	Awards	Funding
2B Technologies, Inc.	1	\$149,492
Ablelink Technologies, Inc.	1	\$132,454
Access Sensor Technologies, LLC	1	\$491,244
Advanced Rna Technologies, LLC	1	\$231,500
Aerophase, Inc.	1	\$300,000
Allander Biotechnologies, LLC	1	\$797,137
Amidebio, LLC	1	\$338,387
Aurora Oncology, Inc.	1	\$299,971
Biological Sciences Curriculum Study	1	\$271,472
Bolder Biotechnology, Inc.	1	\$476,768
Boulder Nonlinear Systems, Inc.	2	\$911,387
Cetya Therapeutics, Inc.	1	\$241,742
CHI Institute For Research & Innovation	1	\$783,454
Clearsight, LLC	1	\$499,999
Colorado Alphaherpesvirus Latency Societ	1	\$45,000
Colorado Cancer Research Program, Inc.	1	\$992,957
Colorado Photopolymer Solutions, LLC	1	\$533,494
Colorado Research Partners, LLC	1	\$289,373
Coramir Biomedical, Inc.	1	\$153,531
Denver Health And Hospital Authority	5	\$1,597,463
Denver Museum Of Nature And Science	1	\$259,910
Denver Research Institute	1	\$121,432
Indevr, Inc.	2	\$1,390,442
Inredox, LLC	1	\$232,501
Invenux, LLC	3	\$1,142,021
Keystone Symposia	41	\$419,400
Klein Buendel, Inc.	9	\$4,752,535
Lohocla Research Corporation	1	\$1,500,000
Mbc Pharma, Inc.	2	\$2,594,202
Mbio Diagnostics, Inc.	1	\$224,423
National Jewish Health	58	\$33,057,950
Op-T-Mune, Inc.	3	\$1,017,571
Pathways Bioscience, LLC	2	\$439,176
Quspin	1	\$721,712
Rocky Mountain Virology Association	1	\$8,000
Rxrevu, Inc.	2	\$374,161
Sharklet Technologies, Inc.	2	\$1,819,553
Suvica, Inc.	1	\$297,604
Ventria Bioscience	1	\$4,200,000
Vitan-Biotech, LLC	2	\$381,643
Z Biotech, LLC	1	\$154,935

2017 // FINANCINGS

Company Name	Investor Company Name	Deal Value (US\$m)	Deal Type	Announced Date	Industry
Aftx Inc	Undisclosed	0.74	Venture Financing	9-Jun-17	Medical Devices
AmideBio LLC	Undisclosed	0.76	Venture Financing	24-Oct-17	Pharma
Ampio Pharmaceuticals Inc	Undisclosed	6.7	Equity Offerings	15-Oct-17	Pharma
Antria Bio	Undisclosed	13	Equity Offerings	17-Jul-17	Pharma
ARCA biopharma Inc	Undisclosed	6.1	Equity Offerings	11-Jan-17	Pharma
Array BioPharma Inc	Undisclosed	211	Equity Offerings	13-Sep-17	Pharma
Avex LLC	Undisclosed	7.6	Venture Financing	10-Jan-17	Pharma
Aytu BioScience Inc	Undisclosed	2.2	Equity Offerings	28-Feb-17	Pharma
Aytu BioScience Inc	Undisclosed	11.5	Equity Offerings	11-Aug-17	Medical Devices
Bio2 Medical Inc	Undisclosed	1.5	Venture Financing	18-Mar-17	Medical Devices
Biodesix Inc	Undisclosed	13.2	Venture Financing	12-Apr-17	Medical Devices
Bioptix, Inc.	Undisclosed	2.3	Equity Offerings	20-Mar-17	Medical Devices
Cardionxt Inc	<i>Companies:</i> James W. Bullock Piedmont Capital Partners LLC Solus Bioventures William A. Hawkins, III	<i>Total Value:</i> 2.1	Venture Financing	1-Jun-17	Medical Devices
Cell-Point LLC	Undisclosed	1.77	Venture Financing	3-Mar-17	Medical Devices
Cerapedics	Oxford Finance	20	Debt Refinancing	19-Apr-17	Medical Devices
Cetya Therapeutics, Inc	CID4	0.025	Venture Financing	1-Feb-17	Pharma
Cetya Therapeutics, Inc	InSynchrony Ventures	0.22	Venture Financing	8-May-17	Pharma
CHD Bioscience Inc	Undisclosed	2.7	Venture Financing	16-Feb-17	Pharma
CirrusMD Inc	<i>Companies:</i> Bootstrap Incubation, LLC Colorado Impact Fund New York Angels Rockies Venture Club Sand Hill Angels, Inc. Service Provider Capital, LLC Three Leaf Ventures	<i>Total Value:</i> 7	Venture Financing	20-Jun-17	Medical Devices
Clovis Oncology Inc	Undisclosed	546	Equity Offerings	19-Jun-17	Pharma
EndoShape	Undisclosed	10.5	Equity Offerings	22-Mar-17	Medical Devices
Eximis Surgical, LLC	Undisclosed	1.25	Venture Financing	1-Dec-17	Medical Devices
Flashback Technologies	Undisclosed	0.335	Equity Offerings	11-Aug-17	Medical Devices
Front Range Biosciences	Intuitive Private Equity Salveo Capital Sand Hill Angels Harvard Business School Angel Alumni of New York New York Angels	1.5	Venture Financing	16-Mar-17	Ag Biotech
Inscripta	Foresite Capital Management LLC MLS Capital Fund II NanoDimension Management Limited Paladin Capital Group Venrock Inc	23	Venture Financing	28-Feb-17	Pharma
JustRight Surgical, LLC	Undisclosed	5.49	Venture Financing	28-Jun-17	Medical Devices
KromaTiD Inc	Undisclosed	undisclosed	Venture Financing	31-May-17	Pharma
Matrix Analytics	Mark Cuban	0.25	Venture Financing	3-Mar-17	Medical Devices
Miragen Therapeutics Inc	Undisclosed	40	Equity Offerings	31-Mar-17	Pharma
Neuraptive Therapeutics Inc	Central Texas Angel Network; New Rhein Healthcare Investors LLC; Undisclosed	1	Venture Financing	24-Jul-17	Pharma
Ocugen Inc	Abdi Ibrahim Ilac Sanayi ve Ticaret AS	7.5	Venture Financing	15-Jun-17	Pharma
PanTheryx Inc	Undisclosed	8.86	Venture Financing	25-Sep-17	Pharma
PeakMed Colorado LLC	ASI Capital, LLC	5.5	Private Equity	23-Aug-17	Medical Devices
PharmaJet Inc	Undisclosed	3	Venture Financing	23-Jun-17	Pharma
Prima Temp, Inc.	Undisclosed	5.4	Equity Offerings	13-Oct-17	Medical Devices
Rezolute Inc	Undisclosed	6.72	Venture Financing	6-Mar-17	Pharma
Rezolute Inc	Undisclosed	13	Equity Offerings	17-Jul-17	Pharma
Rezolute Inc	Lincoln Park Capital Fund, LLC	10	Private Equity	22-Dec-17	Pharma
Sharklet Technologies, Inc.	Peaceful Union	Undisclosed	Equity Offerings	16-May-17	Medical Devices
Somalogic	iCarbonX	161	Equity Offerings	25-May-17	Medical Devices
Spectranetics	Undisclosed	140	Debt Refinancing	9-Jun-17	Medical Devices
Surefire Medical Inc	ORI Healthcare Fund L.P.	12.8	Venture Financing	2-Mar-17	Medical Devices
Taiga Biotechnologies Inc	Undisclosed	6.08	Venture Financing	16-Mar-17	Pharma
Transverse Medical Inc	Undisclosed	3	Venture Financing	24-May-17	Medical Devices

2017 // ACQUISITIONS

Acquirer Company Name	Acquirer Company Headquarters	Acquirer Company State	Acquirer Company Ticker	Target Company Name	Deal Value (US \$M)	Announced Date
Alpine Immune Sciences Inc	United States	Washington		Nivalis Therapeutics Inc	90	18-Apr-2017
Aytu BioScience Inc	United States	Colorado	AYTU [Over The Counter]	Nuelle Inc	undisclosed	03-May-2017
Corazon Gold Corp.	Canada		CGW [Toronto Stock Exchange]	NanoSphere Health Sciences LLC	22.0483	22-Dec-2016
DaVita Inc	United States	Colorado	DVA [New York Stock Exchange]	Centrum Dializa II Sp. z o.o.	undisclosed	25-May-2017
Eurofins Scientific SE	Luxembourg		ERF [Euronext Paris]	VRL Laboratories	undisclosed	01-Sep-2016
Horizon Discovery Group Plc	United Kingdom		HZD [SEATS (AIM Market)]	GE Healthcare Dharmacon Inc	84.9726	19-Jul-2017
Koninklijke Philips N.V.	Netherlands		PHIA [Euronext Amsterdam Stock Exchange]	Spectranetics Corp	2136.4	28-Jun-2017
NantCell Inc	United States	California		Globeimmune Inc	2.1	23-Mar-2017
Peaceful Union	China			Sharklet Technologies Inc	undisclosed	16-May-2017
Richter Gedeon Nyrt	Hungary		RICHTER [Budapest Stock Exchange]	Prima-Temp, Inc	5.0	31-Oct-2017
Riot Blockchain Inc	United States	Colorado	RIOT [NASDAQ]	Strand Life Sciences Pvt Ltd	undisclosed	11-Mar-2016
Sartorius AG	Germany		SRT [Frankfurt Stock Exchange]	ViroCyt Inc	18.5	15-Jul-2016
Teleflex Inc	United States	Pennsylvania	TFX [New York Stock Exchange]	Nostix, LLC	undisclosed	11-Jan-2016
WellTok Inc	United States	Colorado		Tea Leaves Health LLC	undisclosed	11-Oct-2017
Zimmer Biomet Holdings Inc	United States	Indiana	ZBH [New York Stock Exchange]	Ortho Transmission, LLC	undisclosed	01-Mar-2016

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Databases

- Comprehensive coverage of pipeline and marketed drugs for all indications
- Comprehensive clinical trials intelligence covering clinical trials, investigators, enrollment data and trial sites globally for all indications
- Global coverage of Companies, News and Deals

Speciality disease experts

- In-depth forecast and analysis for 120+ highly prevalent and emerging, rare and niche diseases

Commercial epidemiology

- Patient-based forecasting model to determine the market size for therapeutic indications

GlobalData.

The diagram shows a central 'Pharma INTELLIGENCE CENTER' surrounded by various data sources and tools: Drugs Database, Deals Database, Clinical Trials Intelligence, Epidemiology & Market Size Database, Therapy Analysis, Insights Module, Financial Analytics, Net Present Value (NPV), News Database, Company Database, and Databases. The center also includes 'Analytical Tools'.

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globaldata.com/healthcare | @Healthcare_GD | https://www.linkedin.com/company/globaldatahealthcare/

GRANT PROGRAMS: Innovation Engines

THE GROWTH AND SUCCESS OF COLORADO'S LIFE SCIENCE ECOSYSTEM would not be as robust as it is today without some valuable assistance from the state's Advanced Industries (AI) Accelerator Grant Program. Initiated in 2006, and known as the Bioscience Discovery Evaluation Grant Program (BDEG), Colorado recognized the need to support the development of its novel technologies and make an effort to advance commercialization. The program's success led to the passage of additional legislation in 2013, enacting the AI Accelerator Grant Program we know today.

The AI Accelerator Grant Program promotes growth and sustainability in Colorado's seven advanced industries – advanced manufacturing, aerospace, bioscience, electronics, energy, infrastructure engineering and technology – by helping drive innovation, accelerate commercialization, encourage public-private partnerships, increase access to early stage capital and create a strong ecosystem that increases the state's global competitiveness.

Since its inception, the state's Advanced Industry Grant Program has awarded 344 grants to bioscience companies, totaling more than \$52 million, creating 67 new companies, 761 direct jobs, and \$521 million in follow-on grants and investments.

In addition, the AI Export Grant Program supports many small and medium-sized businesses in the advanced industries, and offsets international business development and related marketing costs. These programs exemplify the importance of investment to promote growth and sustainability to drive innovation, accelerate commercialization and encourage public-private partnerships.

The AI Accelerator Grant Program offers four grant types:



Proof of Concept Grants

Identify and pull technologies from research institutions where they were discovered and connect them to the private sector, where they can be developed into products for commercialization.



Early-Stage Capital & Retention Grants

Fund companies using technologies developed in proof-of-concept grants and other early-stage start-ups that have created viable products that meet a market need and that can be created or manufactured in Colorado and exported globally.



Infrastructure Funding Grants

Used to accelerate commercialization and innovation of AI products and services by building capacity and workforce for the AI ecosystem.



Export Grant

The grant program supports small and medium-sized business through funds to offset international business development and marketing costs.

SINCE ITS INCEPTION The state's Advanced Industry Grant Program



344
GRANTS

awarded to bioscience companies



\$52
MILLION

total worth of grants



761
DIRECT
JOBS



67
NEW
COMPANIES



\$521
MILLION

in follow-up grants and investments

Proof of Concept Grants by Institution

COLORADO SCHOOL OF MINES

Investigator: Chris Cox
Institution: Colorado School of Mines
Project Description: A Drosophila model to optimize bacteriophage-based diagnostic technologies for the veterinary diagnostic marketplace.

Investigator: Fred Sarazin
Institution: Colorado School of Mines
Project Description: Development of Lanthanide-based skin patches to treat skin diseases.

COLORADO STATE UNIVERSITY

Investigator: Susan Bailey
Institution: Colorado State University
Project Description: Next gen directional genomic hybridization (dGH 2.0): novel inversion discovery for improving diagnosis of rare diseases.

Investigator: Travis Bailey
Institution: Colorado State University
Project Description: 3D printable, patient specific, artificial meniscus with integrated tabs designed for efficient surgical implantation using contemporary surgical

implements, fabricated from a high modulus, fatigue and fracture-resistant thermoplastic elastomer hydrogel.

Investigator: Steven Dow
Institution: Colorado State University
Project Description: Non-antibiotic solution for the prevention of respiratory tract infections in cattle.

Investigator: Todd Gaines
Institution: Colorado State University
Project Description: Genetic trait to reduce glyphosate translocation in glyphosate-resistant crops.

Investigator: Amanda Guth
Institution: Colorado State University
Project Description: Animal studies of beta alethine in combination with immune checkpoint inhibitors to optimize an immuno-oncology drug.

Investigator: Lyndsey Linke
Institution: Colorado State University
Project Description: A rapid-response antiviral for poultry: aerosolized ammunition against avian influenza outbreaks.

UNIVERSITY OF COLORADO DENVER

Investigator: Aviva Abosch
Institution: University of Colorado Denver
Project Description: Miniature fiber-coupled microscope for neuronavigation.

Investigator: James Feinstein
Institution: University of Colorado Denver
Project Description: Listen.MD: Creating the first digital scribe is a scalable, cost-effective solution using artificial intelligence to "scribe" the conversation and automatically draft a visit note for the physician.

Investigator: Joel Friedlander
Institution: University of Colorado Denver
Project Description: Pediatric nasal endoscope/gastroscope/aerodigestive scope includes a miniaturized 3.5 mm flexible, fiber optic endoscope with the length of a standard gastroscope that allows high-definition video chip viewing of the nasal mucosa, pharynx, trachea, and upper gastrointestinal tract.

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Proof of Concept Grants by Institution *(continued)*

Investigator: Steven Nordeen

Institution: University of Colorado Denver

Project Description: Unique therapeutic compounds for genitourinary syndrome of menopause.

Investigator: Vikas Patel

Institution: University of Colorado Denver

Project Description: Advanced cervical plate design to create a strong and rigid interface between the screws and plate, while allowing for a shorter plate and decreased surgical exposure.

Investigator: William Sauer

Institution: University of Colorado Denver

Project Description: Developed adjunctive therapeutics using heat sensitive liposomes (HSLs) to improve the precision, safety, and efficacy of RF delivery to targeted cardiac tissue.

Investigator: Richard Weir

Institution: University of Colorado Denver

Project Description: Point Design LLC's flagship product, the Point Digit, is a purely mechanical, ratcheting prosthetic finger custom-made for each patient using advanced 3D metal printing technology.

UNIVERSITY OF COLORADO BOULDER

Investigator: Juliet Gopinath

Institution: University of Colorado Boulder

Project Description: Miniature laser for multi-photon microscopy solving the problem of peak power and pulse energy in ultrafast diode lasers.

Investigator: Tin Tin Su

Institution: University of Colorado Boulder

Project Description: Preclinical assessment for Colorectal Cancer to validate translation inhibition as a novel therapeutic approach.

Investigator: Robert Garcea

Institution: University of Colorado Boulder

Project Description: Development of a next generation, highly thermostable human papillomavirus vaccine.

NATIONAL JEWISH HEALTH

Investigator: Milene Saavedra

Institution: National Jewish Health

Project Description: A novel diagnostic assay to diagnose exacerbations of cystic fibrosis.

Investigator: Michael Strong, Ph.D.

Institution: National Jewish Health

Project Description: Computational identification of inhibitors of Zika virus and other emerging pathogens.

Investigator: Vijaya Knight MD, PhD, (D)ABMLI

Institution: National Jewish Health

Project Description: Clinical validation and optimization of a fast blood-based assay capable of detecting beryllium sensitization and chronic beryllium disease in patients.

Investigator: Stephen Humphries, PhD

Institution: National Jewish Health

Project Description: Development and clinical validation of a deep-learning-based algorithm for the quantification of rhinosinusitis on computed tomography scans.

Early-Stage Capital and Retention Grants

Activarmor, LLC

3D support device custom fit to each patient's unique body, mapped to the contours of the limb or injuries requiring stabilization and support.

Arthroventions, LLC

Developing technologies that enable more effective joint care through aspirating, imaging, and analyzing synovial fluid for the diagnosis and treatment of the different types of joint disease and arthritis, including OA and RA.

AQ BioMed, LLC

Developing unique biocompatible materials and geometric designs that work with the body. The first product is the AQ shunt, designed to control over-pressurization in the eye caused by glaucoma and prevent the onset of blindness.

Cetya Therapeutics, Inc.

Commercialize histone deacetylase inhibitors (HDACi) based on largazole. Some of these analogs have bifunctional modifications and the potential to target specific cell types or tumors.

gaugewear, inc.

A wearable sensor for core body temperature with indications for infection and disease detection, monitoring sleep cycles and biorhythms, and performance monitoring, training and safety.

IM Therapeutics

Developing personalized immuno-therapeutic drugs for autoimmune diseases. The lead candidate drug is an oral small molecule that

starves the autoimmune process in type 1 diabetes by blocking DQ8 on specific immune cells.

Lacuna Diagnostics, Inc.

Merges the use of a microscope with innovative software to create an affordable, timely diagnostic solution where veterinary hospitals upload a digital image and get near-instant diagnosis from a veterinary pathologist.

Matrix Analytics, Inc.

Uses machine learning and automation to streamline provider workflows and patient management and patient management with LungDirect, a cloud-based solution designed to help clinicians manage pulmonary nodule and lung-cancer screening patients.

Meadowlark Optics, Inc.

Provides laser and other light-based solutions for a wide gamut of applications and industry sectors including military, aerospace, biomedical, and others.

PrecisionProfile, Inc.

The Precision Profile platform enables researchers and clinical oncologists to compare both individual and cohort precision medicine data to study trends, evaluate treatment options, and identify clinical research participants.

Solo-Dex, Inc.

Developed the Fascicle Catheter System to overcome constraints in providing a continuous block to patients.

State of Impact

At Colorado State University our passion is improving well-being. As the world's population increases, there is a critical need to address problems in health, food, energy, and environment, all of which take center stage in our research and scholarship.



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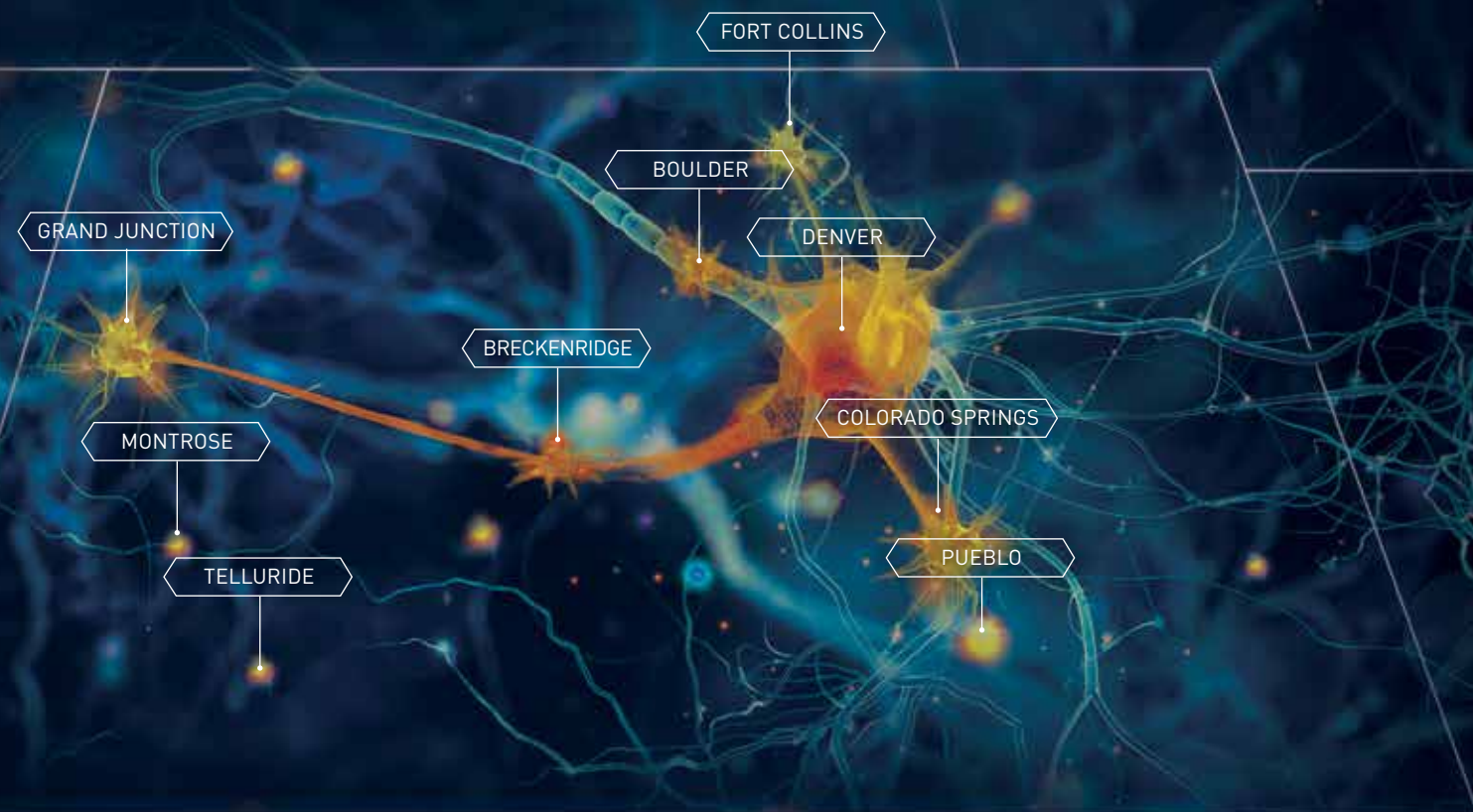
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MED TECH

C 3D Systems - Healthcare

Littleton
www.3dsystems.com
Produces highly accurate 3-D physical models of human bone structure from imaging such as CT or MRI.

C 3DBiopsy, LLC

Vail
www.3dbiopsy.com
Developed a complete turnkey biopsy system that uses three dimensional (3D) imaging to map the entire prostate gland and identifies any clinically significant cancer with up to 95% accuracy.

Abilities Unlimited

Colorado Springs, Denver
www.auiop.com
Provides artificial limbs and custom orthopedic appliances.

Ablacon

Wheat Ridge
www.ablacon.com
Works to improve catheter technologies in order to make the AFib ablation procedures safer and more efficient: Sensing catheters allow better control of the catheter positioning and intensity of the ablation.

Access Sensor Technologies

Fort Collins
accsensors.com
Paper-based diagnostics for industrial and personal environmental monitoring.

Acertara Acoustic Laboratories, LLC

Longmont
www.acertaralabs.com
Independent ISO/IEC accredited medical ultrasound acoustic measurement and testing laboratory.

Aestis, Inc.

Boulder
www.altitudetraining.com/aux/about/aestis
Develops a treatment for obesity through controlled hypoxia technology. The two principal components are the air separation unit and proprietary control system.

AF Therapeutics (AFTx Inc.)

Westminster
Phase Synchronization mapping provides infinite spatial resolution mapping of Atrial Fibrillation with an ordinary loop (Lasso or Spiral HD) catheter.

AFT

Longmont
www.aftmim.com
Customized metal injection components.

C Agilent Technologies

Boulder, Frederick
www.agilent.com
Provides core electronic and bio-analytical measurement tools to advance life science research. Commercial manufacturing of nucleic acid active pharmaceutical ingredients.

C AktiVax

Boulder, Aurora
Developing novel reconstitution safety syringes for vaccines and biologics.

Alligant Scientific

Highlands Ranch
alligantscientific.com
Developing new approaches to socially relevant technical problems in energy and materials science.

C Allison Medical

Littleton
www.allisonmedical.com
Develops a variety of disposable products which serve the healthcare needs of retail/pharmacy, acute, alternate, and home care markets.

C AlloSource

Centennial
www.allosource.org
Develops, processes and distributes life-enhancing bone and tissue allografts to the medical community.

AllPro

Broomfield
www.allprodenal.com
Produces a large selection of non-latex prophylactic cups, prophylactic angles and other dental products.

C Apdyne Medical Company

Denver
www.apdyne.com
Manufactures and distributes the Apdyne Phenol Applicator Kit used to anesthetize the tympanic membrane during in-office myringotomy procedures.

AQ Biomed

Boulder
www.aqbiomed.com
AQ BioMed has made new discoveries about how cells respond to chemical interactions and physical forces caused by biomedical implants. AQ's first program is the AQ shunt, uniquely designed to control over-pressurization inside the eye caused by glaucoma and prevent the onset of blindness.

Archer DX

Boulder
www.archerdx.com
Creates catalog and custom next-generation sequencing (NGS) assays that are purpose-built to identify mutations and gene fusions from clinical sample types.

ArcScan, Inc.

Golden
www.arcscan.com
Developing VHF Ultrasound for comprehensive ophthalmic imaging.

Arcturus Star Products LLP

Cortez
www.lymphstarpro.com
Pioneering Vibrational Energy Therapy for the wellness and beauty professions. Therapeutic specialty is in the area of lymphatic health.

C Arthroventions

Denver
www.arthroventions.com
Developing a family of devices that distend the synovial fluid to improve the accuracy of aspirating and injecting medication into the joint space.

C Articulio Bio

Boulder
articulio.bio.com
Articulio Bio, LLC is a development-stage orthopedic medical device platform focused on total joint replacement.

ASI Medical, Inc.

Centennial
www.asimedical.net
Developer of specialized mobile and integrated dental carts, as well as unique dental instruments for the modern dental office.

C Aspire Biotech, Inc.

Colorado Springs
www.aspirebiotech.com
Provides contract services for all phases of product development from concept to launch, and produces its own skin sealant and wound-closure adhesives.

Auri-Stim Medical

Denver
www.net1device.com
Offers an alternative therapy for migraine headaches, hormonal migraine, chronic headaches, premenstrual syndrome (PMS), nicotine and narcotics addictions using the NET-1000 device.

Baby Genes Inc.

Golden
www.babygenes.net
Genomics services company using NextGeneration Sequencing assays to deliver more advanced newborn screening.

Bard Medical

Louisville
www.crbard.com
Leading multinational developer, manufacturer and marketer of innovative, life-enhancing medical technologies in the fields of vascular, urology, oncology and surgical specialty products.

Beckman Coulter

Loveland
www.beckmancoulter.com
Develops and produces instruments for the diagnostic industry. Specializes in the fields of immunocytochemistry, flow cytometry, and microbiology.

Bell Dental Products, LLC

Englewood
www.belldental.com
Designs, develops, and manufactures precision dental equipment based on electric motor technology.

C Bio2 Medical, Inc.

Golden
www.bio2medical.com
Commercializing the Angel® Catheter; an innovative medical device designed to provide prophylactic Pulmonary Embolism protection and access to the central venous system in critically ill patients.

BioCare Systems, Inc.

Parker
www.lumiwave.com
Designs, develops and markets the FDA-cleared LumiWave that uses deep-tissue light therapy to decrease pain, accelerate healing and improve quality of life.

- C Biodesix, Inc.**
Boulder
www.biodesix.com
Develops and commercializes blood-based tests that advance the speed and standard of care in oncology. Its diagnostics help patients and their doctors make more informed decisions about treatment based on a patient's unique molecular profile.
- C Biomaterial Device Innovations, LLC**
Colorado Springs
www.biomaterialdevices.com
The company is focused upon commercialization of implantable bioresorbable medical devices based upon proprietary technology.
- BioVision Technologies**
Golden
www.biovisiontech.com
Develops and manufactures micro-visualization solutions that enable endoluminal and minimally invasive medical procedures in both human and veterinary medicine. The imaging technologies and customized micro-endscope solutions are integrated to reduce incision size and speed healing.
- BodySync, Inc.**
Aurora
www.bodysync.com
Applies evidence-based genetic information to develop personalized products that help individuals achieve their health goals.
- C Boulder BioMed**
Boulder
www.boulderbiomed.com
Boulder BioMed is a creative product and business development firm specializing in bringing medical technologies to market.
- Boulder Innovation Group**
Boulder
www.boulderinnovators.com
Develops and manufactures image-guided surgical navigation digitizers and industrial 3D capture and modeling equipment.
- Broadwest Corporation**
Boulder
www.broadwest.com
Develops and manufactures ergonomic mammography viewing equipment.
- Canberra Industries**
Arvada
www.canberra.com
Manufactures and supplies analytical instruments, systems and services for radiation detection and radiation monitoring.
- CardioNXT**
Westminster
Developing a portfolio of technologies that enable the delivery of therapy more accurately and cost effectively in catheter ablation procedures to treat cardiac arrhythmia.
- Care Electronics, Inc.**
Broomfield
www.medicalshoponline.com
Offers a range of electronic monitoring and alarm equipment for the home health and long term care markets.
- Car-May LLC**
Berthoud
www.car-may.com
Provides pumping capability, fluid measurement, and flow control all in one compact module.
- CeraPedics, Inc.**
Westminster
www.cerapedics.com
Developing and commercializing novel osteobiologic products based on a proprietary small peptide technology, P-15™ on anorganic bone mineral (ABM).
- C CereScan**
Littleton
www.cerescan.com
Combines brain imaging technologies with a patient-centered model of care to provide the highest level of neurodiagnostics available.
- Certa Dose**
Denver
www.certadose.com
Unique measuring system that helps eliminate dosing errors in pediatric patients.
- C Claro Scientific Laboratories**
Erie
www.clarolabs.com
Developed a urine-based test that detects more than 130 drugs of abuse.
- Clean Room Devices, LLC**
Westminster
www.cleanroomdevices.com
Manufactures products that are engineered specifically for "clean room" environments.
- ClearSight**
Aurora
www.clearsightiol.com
Developing an intraocular lens to give ophthalmologists a comprehensive solution to reduce posterior capsule opacification. The ClearSight IOL features Sharklet, a micropattern designed to redirect cellular migration away from the field of vision.
- CME**
Golden
www.cmeamerica.com
Manufactures ambulatory infusion devices.
- Cochlear Americas**
Centennial
www.cochlearamericas.com
Global leader in implantable hearing solutions. Manufacturer of Nucleus cochlear implants and the Baha programmable bone conduction system.
- C Colibri Heart Valve**
Broomfield
www.colibrihv.com
Researches and develops novel heart valve technologies.
- Colorado Precision Products, Inc.**
Boulder
www.coloradoprecision.com
Provides diamond turned and polished optics/ parts. Fabricator of X-ray telescope optical components. Produces and offers air bearing LVDT contact linear measurement systems, .05 microinch resolution.
- C Colorado Therapeutics**
Broomfield
www.co-therapeutics.com
Developing xenogenic biologic tissue matrix products for a broad range of soft tissue reinforcement, regenerative, and additional applications.
- C ConMed Corporation**
Centennial
www.conmed.com
Designs and manufactures RF electrosurgical generators and accessories of the highest quality, safety and value for use in surgical procedures performed in virtually every hospital, surgery center and physician's office.
- Connexall**
Boulder
www.connexall.com
Enterprise-grade event management and control platform that delivers hospital-wide interoperability to people, systems, tasks, and devices.
- CoorsTek**
Golden
www.coorstek.com
Custom engineering, materials expertise, operational excellence, and rapid execution.
- CoramiR Biomedical**
Superior
www.coramir.com
Developing non-invasive biomarker tests to guide treatment decisions in heart-failure patients.
- Corgenix Medical Corporation**
Broomfield
www.corgenix.com
The Colorado facility is engaged in research, development, manufacture, and marketing of in vitro diagnostic products for use in disease detection and prevention.
- Corvectra, Inc.**
Fort Collins
www.corvectra.com
Developing clinical tools that enable healthcare professionals to non-invasively diagnose and treat patients with a single point of care device.
- Cuattro**
Loveland
www.cuattro.com
Flat panel digital radiography systems that improve efficiency and workflow, increase productivity and lower costs.
- DataWave Technologies Corporation**
Loveland
www.dwavetech.com
Manufactures a wireless and battery-free device for acquiring and transmitting data from electrodes and other biosensors to a receiver placed meters away for electrophysiology, neurophysiology and physiology related research on both humans and large animals.
- dBMEDx**
Littleton
www.dbmedx.com
Developing next-generation, automated, wireless 3D ultrasound devices.
- Denver Optic Company**
Englewood
www.eyeprosthesis.com
Specializes in the fitting and fabrication of two types of ocular prosthesis.
- C DePuy Synthes, Companies of Johnson & Johnson**
Monument
www.synthes.com
Develops, produces and markets instruments, implants and biomaterials for the surgical fixation, correction and regeneration of the human skeleton and its soft tissues.
- Desert Glass Works**
Colorado Springs
www.dgw.com
Manufactures quartzware for the medical and research industries.
- Die Cut Technologies**
Northglenn
www.diecuttech.com
Offers precision material conversion, skilled assembly and manufacturing efficiencies, including cleanroom facilities.
- Diversatek Healthcare**
Highlands Ranch
www.diversatekhealthcare.com
Designs, manufactures and distributes diagnostic products focused on gastroenterology.
- DNTLworks Equipment Corporation**
Centennial
www.dntlworks.com
Manufactures portable, mobile and self-contained dental systems.
- Double Black Imaging**
Westminster
doubleblackimaging.com
Manufactures clinical review monitors that are specially designed for versatile clinical healthcare applications.
- C Double Helix**
Boulder
www.doublehelixoptics.com
Develops and commercializes computational optical-digital technologies used in range estimation, super-resolution microscopy and 3D imaging. Double Helix's core technologies include the Double Helix-Point Spread Function method for 3D super-resolution imaging.
- dpix, Inc.**
Colorado Springs
www.dpix.com
Produces high-resolution amorphous silicon (a-Si) sensor arrays for medical X-ray imaging.
- E.I. Medical Imaging**
Loveland
www.eimedical.com
Manufacturer of highly portable and ruggedized ultrasound devices for the veterinary industry.
- C Edgeport Surgical**
Boulder
Medical product development and investment company.
- C EJ BioMed - A Division of Eldon James Corporation**
Denver
www.eldonjames.com
Manufactures, assembles and packages PVC Free tubing and connectors in a single cleanroom environment.
- Electronic Materials, Inc. (EMI)**
Breckenridge
www.emiuv.com
Offers a complete line of EMCAST UV adhesives, epoxies, sealants, encapsulants and coatings. EMI also offers room temperature, thermal and Visible light cure adhesive systems.
- Element**
Longmont
www.element.com
Medical device testing laboratory specializing in package testing, accelerated aging, photostability, UV, temperature/humidity, vibration, shock testing services.
- C Ellab, Inc.**
Centennial
www.ellab.com
Manufactures thermal validation solutions for food and pharmaceutical industries.
- C Empirical Testing Corporation**
Colorado Springs
www.empiricaltesting.com
Provides medical device testing services that add value throughout the product development cycle, with a focus on spinal implant device testing.
- Excision, Inc.**
Boulder
www.excision.com
Designs and manufactures innovative surgical devices. Developed AEM® Laparoscopic Instruments to improve electrosurgery and reduce the chance for patient injury in minimally invasive surgery.
- C EndoShape, Inc.**
Boulder, Aurora
www.endoshape.com
Manufactures surgical and medical instruments focusing on shape memory polymer devices for endoluminal application.
- C enlightenVue**
Denver
www.enlightenvue.com
Specializes in bringing micro-endoscope technology to the medical device market by innovating low-cost disposable alternatives.
- Euvive, LLC**
Aurora
Euvive strives to provide affordable point-of-care (POC) biomedical diagnostic systems through collaborative work of seasoned scientists and engineers.
- C ForCast Orthopedics**
Longmont
www.forcastortho.com
Focused on improving total joint patient care, ForCast Orthopedics will incorporate antibiotic reservoir and novel infusion system within a total knee prosthesis to replicate improved patient outcomes with simpler pain management.
- C Evergreen Research, Inc.**
Golden
www.evergreenresearch.com
Your "One-Stop-Shop" for medical device designs, approvals & manufacturing. Software, electronics, mechanics, fluidics, optics, ultrasound, RF and sterile disposables. Products for surgery, ICU, ER, EMS, OTS, clinic and home healthcare products. Advanced Imaging software, cloud software, embedded and Windows 10 systems & smart device apps. Evergreen Research services include full service engineering, regulatory affairs, quality systems, production, distribution and highly experienced personnel to make it happen, all the way.
- C Eximis Surgical, Inc.**
Louisville
www.eximissurgical.com
Developing a novel surgical platform for the safe and fast removal of large specimens through small laparoscopic/robotic incisions.
- Extreme Diagnostics**
Boulder
www.extremediagnosics.com
Develops noninvasive measurement systems, including optical systems such as custom holographic and interferometric instruments. Specializes in structural health monitoring, nondestructive testing, and materials processing.
- Falcon Rehabilitation Products**
Denver
www.falconrehab.net/products
Designs and builds high quality, innovative quadriplegic seating systems and accessories (Falcon Rehabilitation Products, LaBac Seating Systems, Gel Ovations).
- C Firefly Medical, Inc.**
Fort Collins
www.fireflymedicalinc.com
Designs and develops innovative durable medical equipment for clinical healthcare markets.
- Fischer Medical**
Wheat Ridge
www.fischermti.com
Designs, manufactures, and markets imaging systems for the screening and diagnosis of breast cancer.
- FlashBack Technologies**
Longmont
www.flashbacktechnologies.com
Fast, non-invasive detection of acute blood loss volume and prediction of cardiovascular collapse in emergency situations.
- Fluonic**
Boulder
www.fluonic.com
Develops infusion therapy systems with disposable sensors for OEM and proprietary pumping systems.

- C Footbeat**
Grand Junction
www.footbeat.com
Footbeat has fundamentally changed medical and athletic recovery through its unique method of circulatory enhancement. By applying precise, cyclic pressure to the arch of the foot, Footbeat increases blood velocity to alleviate the symptoms of common medical conditions and enhance athlete's ability to prepare, repair, and recover for their sport. Footbeat is easy-to-use, non-invasive, and ideal for travel.
- Futura Surgical, Inc.**
Wheat Ridge
www.futurasurgical.com
Development, manufacture and sales of orthopedic products.
- Galaxy Ophthalmics**
Denver
www.galaxyophthalmics.com
Developing technologies related to new therapies for Glaucoma, Wet and Dry Macular Degeneration and Diabetic Retinopathy.
- C gaugewear**
Boulder
www.gaugewear.com
Using radiometric thermometry, gaugewear is creating a wearable, non-invasive, core body temperature sensor.
- Genesee BioMedical, Inc.**
Denver
www.geneseebiomedical.com
Manufactures cardiac surgery instruments and devices.
- Gnathodontics, Ltd.**
Lakewood
www.gnatho.com
Specializes in functional dentistry, advanced implant work, precision partial dentures, combination cases and metal-free fixed restorations.
- C Green Sun Medical**
Fort Collins
www.greensunmedical.com
Develops innovative treatments to address Adolescent Idiopathic Scoliosis (AIS) through non-fusion scoliosis solutions.
- Groesanoak Product Development, Inc.**
Frederick
www.groesanoak.com
Creates innovative proprietary new medical devices focusing on areas of injury management, neonatal care and performance monitoring.
- Hach Company**
Loveland
www.hach.com
Manufactures and distributes analytical instruments and reagents used to test the quality of water and other aqueous solutions.
- C HeartHero**
Denver
hearthero.io
Developing automated external defibrillator.
- C HG Medical Technologies**
Fort Collins
hgmedtech.com
Startup in medical device development.
- Hirsh Precision Products, Inc.**
Boulder
www.hirshprecisionproducts.com
Manufactures precision-machined and assembled components for the medical industry.
- Immunocept Medical Products, LLC**
Denver
www.immunocept.com
Platform therapy for diseases of destructively amplified inflammation. The SeptiFlux™ hollow fiber membrane therapeutic blood filter has been produced as a clinical product and has IDE approval for feasibility study.
- Impressio, Inc.**
Aurora
Impressio focuses on developing liquid-crystalline elastomers (LCEs) for use in load-bearing orthopedic applications such as knee and total disk replacement.
- InDevR, Inc.**
Boulder
www.indevr.com
Develops and manufactures biomedical instruments including molecular diagnostic assays, virus measurement systems and detection technologies for micro-arrays.
- Infinity Laboratories**
Castle Rock
www.infinitylaboratories.com
Infinity Laboratories operates from a 25,000+ sq ft state-of-the-art facility. With enhanced focus in the areas of chemical and microbiological sciences we support manufacturers and researchers throughout the world.
- Infinity Photo-Optical Company**
Centennial
www.infinity-usa.com
Manufactures long-distance and continuously-focusable microscope technology, macro systems, internal-focusing devices and other lenses.
- Instec, Inc.**
Boulder
www.instec.com
Manufactures precision temperature controllers and microscope hot stage systems for temperature cycling, food sciences, materials characterization, forensics, polymers and liquid crystals and microbiology.
- Intelligent Imaging Innovations (3i)**
Denver
www.intelligent-imaging.com
Designs and builds systems around the newest automated fluorescence microscopes and the most advanced peripheral devices.
- Jortek Surgical, Inc.**
Boulder
www.jortek.com
Develops innovative orthopedic devices with a focus on joint and tissue preservation and augmentation.
- C JustRight Surgical**
Boulder
www.justrightsurgical.com
Developing precisely designed surgical instruments that allow access to confined spaces and often delicate structures.
- C Kestrel Labs, Inc.**
Boulder
www.kestellabs.com
Combines internal research and development projects with consulting and contract development of innovative, patient monitoring concepts and other medical technologies.
- Lenox MacLaren Surgical Instruments**
Louisville
www.lenoxmaclaren.com
Manufactures precision orthopedic and neurological surgical instruments.
- Lifeboard**
Fort Collins
Device that captures, displays and records all essential data during time-critical medical events.
- Liquid Logic**
Aurora
www.liquid-logic.com
Developed a proprietary "digital microfluidics" technology based on electrowetting that precisely manipulates small droplets within a sealed disposable cartridge to perform complex laboratory protocols.
- C LivaNova**
Arvada
www.livanova.com
Global medical device company and a leader in the treatment of cardiovascular diseases.
- Logisens Corporation**
Fort Collins
www.logisens.com
Develops biosensor and software technology, enabling a significant breakthrough in realtime measurement and reduction of stress.
- Lumed**
Denver
www.lumedscience.com
Specializes in creating medical and dental devices that integrate light sources to improve visibility in the field of work.
- Magnelab, Inc.**
Longmont
www.magnelab.com
Manufactures custom magnetic components (transformers/inductors) for the medical field.
- Mallinda, LLC**
Aurora
www.mallinda.com
Advancing the state of polymer with the development of the first hard plastic that can be repeatedly molded and reshaped at mild temperatures.
- C MBio Diagnostics**
Boulder
www.mbiidx.com
Develops a low-cost, high sensitivity, multipathogen detection system for diagnostics.
- C MD MedTech LLC**
Englewood
www.mdmedtech.com
Developer and manufacturer of medical ultrasound imaging components and finished devices for traditional and custom applications.
- Med-Botics**
Colorado Springs
www.med-botics.com
Development of medical devices for prevention of apnea, hypoxemia, and overdose from medication causing respiratory depression.
- C Medtronic**
Boulder & Louisville
www.medtronic.com
Together, with our partners in the healthcare industry, we are committed to developing meaningful innovations. Medtronic has ~2,400 employees in Colorado who develop life-changing medical technologies and solutions such as surgical robotics, energy based surgical instruments, respiratory and patient monitoring solutions, interventional lasers, computer-based diagnostic & surgical visualization tools, and surgical imaging technologies. Let's take healthcare Further, Together.
- Mesa Laboratories, Inc.**
Lakewood
www.mesalabs.com
Provides dialysis meters and related supplies to dialysis clinics world wide.
- Metabiomics**
Aurora
www.metabiomics.com
Developing a non-invasive microbiome test for the earlier and more accurate detection of colon polyps and colorectal cancer. Also developing services for characterizing gut microbiome health and disease.
- Metamatrix, LLC**
Boulder
www.zorbent.com
Manufacturers of ZORBENT, an absorbent designed to leave no residue, reducing the risk associated with slippery surfaces. It is completely safe to use and represents no health hazard.
- C MFB Fertility, Inc.**
Boulder
www.mfbfertility.com
Commercializing an in vitro diagnostic allowing couples to track hormone cycling involved in the ovulation process and track when a female is most fertile.
- Micro Imaging Solutions, LLC**
Denver
www.micro-imaging.us
Developed an innovative, patented technology that can be utilized in the manufacture of micro-digital CMOS cameras.
- Microlife Medical Home Solutions, Inc.**
Golden
www.mimhs.com
Proprietary hand-held medical devices and systemic solutions offer healthcare providers evidence-based and practice-tested methods for accurate assessment, diagnosis, and treatment of cardiovascular and metabolic diseases.
- C Mighty Oak Medical**
Englewood
www.mightyoakmedical.com
Develops cutting-edge spinal technologies for use in spine surgery.
- Mikron Corporation**
Englewood
www.mikron.com
Supplies transfer machining systems for complex parts, cutting tools with high performance standards, self medication and diagnostic devices.
- Mile High Ophthalmics**
Aurora
Ophthalmic device for enhanced precision in cataract surgery.
- Mind Studios**
Colorado Springs
A full service product design and research studio housed within the University of Colorado at Colorado Springs. Offers concept generation, advanced prototyping, engineering and consumer research, human factors design and manufacturing solutions.
- MuscleSound, LLC**
Denver
www.musclesound.com
MuscleSound is a software technology that automates the analysis of musculoskeletal ultrasound images, we are the MuscleHealth company.
- NEBA Health LLC**
Boulder
www.nebahealth.com
Develops neuropsychiatric medical devices, such as Neba™, an experimental, small format EEG-based device being studied under an IDE from the FDA.
- Neuro Assessment Systems**
Littleton
www.neuroassessments.com
Provides an objective brain-based measure of neurocognitive symptoms associated with a wide range of brain health issues including concussion and Alzheimer's disease.
- Neuromonics, Inc.**
Westminster
www.neuromonics.com
Manufacturers and distributes clinically proven devices to treat tinnitus. The Sanctuary provides situational relief for those suffering from mild to moderate tinnitus.
- C Nova Biolabs**
Arvada
www.novabiolabs.com
Nova Biolab's core mission is to make molecular testing the standard of care. We are focusing on targeted NGS assays based on liquid biopsies (e.g., blood, urine) for cancer diagnosis, treatment and post-recovery monitoring, as a cost-effective and minimally invasive means to get patients on the right treatment path as soon as possible.
- nSpire Health, Inc.**
Longmont
www.nspirehealth.com
Develops, manufactures and markets respiratory care products and services focused on cardiopulmonary diagnostics, respiratory core lab services, and disease management solutions.
- C OptiEnz Sensors**
Fort Collins
www.optienz.com
Revolutionizing measurement capabilities for organic chemical concentrations in aqueous solutions; now providing continuous, real-time, in-place sensor systems.
- C Orbit Genomics**
Boulder
www.orbitgenomics.com
Orbit Genomics™, Inc. is an early stage genomics company developing diagnostic tests and services based on repetitive sequences in DNA, known as microsatellites. Microsatellites occur throughout the genome in both coding and non-coding regions and they mutate 10,000 times more rapidly than SNPs and other genetic mutations, representing both inherited and acquired risk. The company's first product will be a lung cancer risk assessment test.
- C Osypka Medtec, Inc.**
Longmont
www.osypka-medtec.com
Works with medical device manufacturers and suppliers to manufacture innovative, quality product solutions or components for companies around the United States.
- Oval Window Audio**
Nederland
www.ovalwindowaudio.com
Produces induction loop assistive listening systems and visual and vibrotactile technologies that help deaf and hard of hearing individuals.
- PARÉ Solutions, LLC**
Centennial
www.paresurgicalsolutions.com
Develops surgical instruments such as the Quik-Stitch endoscopic suturing system.
- Parker Medical**
Highlands Ranch
www.parkermedical.com
Provides airway management products that make intubation safer for the patient and easier for the medical professional.

Peak Analysis & Automation Ltd.

Colorado Springs
www.paa-automation.com
Manufactures robots, special equipment, and turnkey automated systems for a variety of industries including: biotech, electronics, medical, semiconductor, etc.

Peddle Master, Inc.

Johnstown
www.peddlemaster.com
Designs and manufactures handicapped driving aids. The Peddle Master is totally portable and can be installed and removed in a matter of seconds.

Pernicka Corporation

Fort Collins
www.pernicka.com
Offers analytical testing that meets or exceeds the requirements of MIL-STD 750/883 method 1018 and 45662A.

C PharmaJet, Inc.

Golden
www.pharmajet.com
Developer of needle-free jet injection technology, optimized for vaccine administration, with two device platforms and regulatory clearance for all three tissue depths.

Phase Three Product Development

Fort Collins
www.phasethreedev.com
Technology and product development of microfluidics based devices and systems.

Philips

Colorado Springs
www.philips.com
Develops, manufactures, markets and distributes single-use medical devices used in minimally invasive procedures within the cardiovascular system.

Porta-Lung, Inc.

Lakewood
www.portalung.com
Provides non-invasive ventilator support for long-term patients who need more portability.

Precision Biopsy

Aurora
www.precisionbiopsy.com
In partnership with Allied Minds, developing technology for the accurate diagnosis of prostate cancer which uses advanced spectroscopy imaging techniques in combination with tissue biopsy.

Preferred Medical Products, Inc.

Englewood
www.preferredmedicalproducts.com
Manufactures stainless steel medical components for hypodermic needles and lancet type products.

Prescott's, Inc.

Monument
www.surgicalmicroscopes.com
Provides reconditioned operating microscopes and allied accessories that function as intended by the original equipment manufacturer.

C Prima-Temp, Inc.

Boulder
www.prima-temp.com
Innovative biometric approaches to early disease detection and reproductive medicine through the application of 21st Century thermometry.

Products Group International, Inc.

Lyons
www.productsgroup.com
Researches, develops and engineers ultrasound medical and veterinary equipment.

Propel Labs, Inc.

Fort Collins
www.propel-labs.com
Designing the next generation of bio-instrumentation tools. Focused on research tools, such as single cell analyzers and cell sorters.

ProTechSure Scientific, Inc.

Aurora
www.protechsure.com
Dedicated to providing scientifically validated skin protection.

Protomed, Inc.

Denver
www.protomed.net
Creates accurate anatomical models from CT scans by using the latest imaging software and laser driven technology.

Prototype Casting, Inc.

Denver
www.protcast.com
Manufactures non-ferrous prototype parts for the medical industry, specializes in RPM (Rubber Plaster Mold) casting, sand casting and rapid investment casting.

C QalibreMD

Boulder
www.qalibre-md.com
Provides design engineering and manufacturing services for custom instrumentation development. Commercialized a line of quantitative MRI phantoms for standardization of scanners and protocols involved in precision medicine.

Quadric Biomed LLC

Colorado Springs
www.quadricbiomed.com
A medical device company developing novel dental implants that mimic the emergence profile of natural teeth. Quadric BioMed's patented implant system integrates an eccentrically-shaped platform and anchor screw in the jaw and is the only technology that can anatomically match the profile of the teeth as they emerge from the bone.

QuSpin, Inc.

Louisville
www.quspin.com
Develops very high performance atomic sensors.

Radiological Imaging Technology, Inc.

Colorado Springs
www.radimage.com
Provides clinical and research physicists with a high precision automated QA tool for advanced radiation therapies.

Rand-Scot, Inc.

Fort Collins
www.randscot.com
Designs and manufactures products for persons with disabilities including BBD Cushions and Mattress Overlays, EasyPivot Patient Lifts, and Saratoga Exercise Products.

Research Electro-Optics

Boulder
www.reoinc.com
Volume manufacturer of high precision thin film coatings, optics and optomechanical assemblies for the ultraviolet through the long-wave infrared.

Rocky Mountain Instrument Company (RMI)

Lafayette
www.rmico.com
Designs and manufactures optics and coatings (ultraviolet through far infrared) for the medical industry.

Rocky Mountain Orthodontics, Inc. (RMO)

Denver
www.rmortho.com
Serves all areas of orthodontics including pediatric orthodontic prevention, interceptive pediatric orthodontics, mixed dentition orthodontics, adult orthodontics, reconstructive dentistry orthodontics, TMJ orthodontics, surgical orthodontics and breathing/sleep problem related orthodontics.

Sapien LLC

Fort Collins
www.sapienllc.com
Aims to enhance the human experience by providing innovative solutions to human problems using sensory substitution, human machine interfaces, and human-machine integration.

Sapphire Technology, LLC

Denver
www.sapphire-technology.com
The SGS Instrument line is developed specifically to overcome the inherent composite adhesion and pullback issues associated with other composite instruments currently at market in the dental field.

Sartorius

Arvada
www.sartorius.us
Designs and manufactures analytical balances, electrochemistry instruments, moisture analyzers, and titration controllers.

Science Care

Denver
www.sciencecare.com
Provides human tissue for medical research and education.

Sciencetech, Inc.

Boulder
www.scientech-inc.com
Manufactures analytical instruments: semimicro balances, analytical balances, semi-analytical balances, and toploading balances for the medical industry.

C Securisyn Medical

Highlands Ranch
www.securisyn.com
Developing a safer system for delivering life-sustaining oxygen to mechanically ventilated patients.

Shape Ophthalmics LLC

Aurora
Develops state of the art devices and novel treatments for ophthalmic conditions through the application of advanced smart materials.

C Sharklet Technologies, Inc.

Aurora
www.sharklet.com
Engineers surface technologies (Sharklet™) that control the growth of dangerous bacteria.

C Shippert Medical Technologies an Innovia Medical Company

Centennial
www.shippertmedical.com
Manufactures and distributes medical disposable products and instruments.

Sinopsys Surgical

Boulder
www.sinopsysurgical.com
Lacrimal Sinus Diversion offers functional therapy for sufferers of chronic sinusitis with minimal response to current pharmaceutical and surgical options.

C SI-Technology, LLC

Fort Collins
www.si-technology.co
Orthopedic medical device company developing new techniques and implants as part of the patent pending SI-DESIS™ Sacroiliac Joint Implant System to help assist physicians address the need for treatment, fixation and proper fusion of painful and dysfunctional sacroiliac joints (SIJ).

C Snoasis Medical

Denver
www.snoasismedical.com
Focused on the development and commercialization of regenerative tissue and medical device products for use in dental surgery.

Solo-Dex

Boulder
www.solo-dex.com
Developed the Fascile, which allows for a continuous peripheral nerve block in less than 5 minutes.

C SomaLogic, Inc.

Boulder
www.somallogic.com
Uses aptamer array technology and bioinformatics capabilities to discover disease-specific biomarkers and protein signatures. Develops medical diagnostics based on these signatures.

Sonaura

Fort Collins
www.mysonaura.com
Developed an electronic two way communication system between patient and doctor, which represents a major advance in IVF treatment allowing women undergoing IVF treatment to perform their sonograms at home during the follicle stimulation cycle.

Sound Surgical Technologies, LLC/Solta Medical, Inc.

Louisville
www.vaser.com
Offers ultrasonic technologies and related techniques for aesthetic surgery.

ST Cardio Technologies, LLC

Broomfield
Designs, develops, and manufactures electronic medical devices for use in electrophysiology cardiac cath labs.

St. Renatus, LLC

Fort Collins
www.st-renatus.com
First needle-free, dental anesthetic suitable for use in procedures involving most of the upper teeth. Uses an accurate and sophisticated method to anesthetize the upper teeth without the risk and pain of a needle.

StnDrd Infusion

Parker
www.stndrdinfusion.com
Early-stage medical device company in the drug infusion market with a standardized pump capable of performing the product requirements currently met by syringe, cassette, and ambulatory pump configurations.

Suez

Boulder
www.geinstruments.com
Manufactures instruments used to measure total organic carbon (TOC) in water for pharmaceutical applications and medical research.

Sundance Diagnostics, Inc.

Boulder
www.sundancedx.com
Working to develop the world's first genetic safety tests to predict a patient's risk of antidepressant-induced suicidal thinking or behavior.

Sunrise Medical, Inc.

Longmont
www.sunrisemedical.com
Provides home healthcare products including wheelchairs, respiratory, daily living aids, and speech augmentation devices.

Supreme Cable Technologies, Inc.

Denver
www.supremecable.com
Manufactures quality custom cable assemblies and wire harnesses.

C Surefire Medical, Inc.

Westminster
www.surefiremedical.com
Developing advanced liver cancer infusion systems that overcome the limitations of traditional tools and delivery methods.

SurgiReal Products

Fort Collins
www.surgireal.com
Creates and introduces innovative products and methods for surgical training.

Swan Valley Medical, Inc.

Aurora
www.swanvalleymedical.com
Developed a line of urology instruments that allow for safer, faster, and more economical treatment of common urological disorders.

Symbios Technologies, Inc.

Fort Collins
www.symbiosplasma.com
Commercializing an aqueous plasma disinfection and advanced oxidation technology platform with applications in fluid purification, plasma medicine, and specialty manufacturing to improve human and environmental health as well as the economics and sustainability of food and beverage, agricultural, energy, and pharmaceutical production processes.

Tapeless Wound Care Products, LLC

Englewood
Manufactures and distributes a system of patented secondary wound dressing retention devices, offering an alternative to traditional secondary wound dressings, for both humans and animals.

Tartan Orthopedics, Ltd.

Northglenn
www.tartanortho.com
Manufactures sacro lumbar belts, dorsal lumbar belts (corsets and moldable inserts), Ottenberg style elbow splint, pelvic traction belts, arm slings, cervical collars, acromioclavicular splints, and ankle supports.

TDA Research, Inc.

Wheat Ridge, Golden
www.tda.com
Provides automated catalyst testing equipment to large chemical companies and national laboratories.

TeraBAT

Longmont
www.terabat.com
Developing a disruptive detection platform based on terawaves technologies that will revolutionize disease diagnosis and patient care.

C Terumo BCT

Lakewood
www.terumbct.com
A global leader in blood component and cellular technologies, it is the only company with the unique combination of apheresis collections, manual and automated whole blood processing, and pathogen reduction coupled with leading technologies in therapeutic apheresis and cell processing.

TheraTogs, Inc.

Telluride
www.theratogs.com
Produces an orthotic undergarment and strapping system that gives clients with sensorimotor impairment a new modality for improving postural alignment and stability.

Thinklabs Medical, LLC

Centennial
www.thinklabs.com
Creates digital stethoscopes, including One, the smallest, most powerful stethoscope in the world.

TopoGen

Buena Vista
www.topogen.com
A research diagnostics company that provides innovative products and services for researchers working with topoisomerases and engaged in mechanism based drug discovery and development.

Touch of Life Technologies, Inc. (ToLTech)

Aurora
www.toltech.net
Develops procedural simulators in the areas of orthopedics, gastroenterology, rheumatology, radiology, ophthalmology, and general surgical procedures.

C Trans1

Denver
www.trans1.com
Seeks to develop and commercialize elegant and minimally-invasive surgical solutions to address spinal pathologies.

Transtracheal Systems, Inc.

Englewood
www.tto2.com
Develops and manufactures innovative respiratory therapy products that advance medical therapy for persons requiring continuous supplemental oxygen, including the SCOOP transtracheal oxygen therapy system.

C Transverse Medical, Inc.

Evergreen
www.transversemedical.com
Developing the POINT-GUARD™ Embolic Protection System for cerebral and distal embolic protection during cardiovascular percutaneous interventions and surgical procedures.

TRS, Inc.

Boulder
www.trsprothetics.com
Develops, manufactures, and markets body-powered prosthetic devices. Designs and builds technology for persons missing hands.

Ultrathera Technologies, Inc.

Colorado Springs
www.ultrathera.com
Applying advanced technologies to physiological and neurological needs. Maker of GyroStim™

C Veramarx, Inc.

Aurora
www.veramarx.com
Focus to become the leading provider of credible clinical and scientific information, reliable and accurate diagnostic tools and effective treatment options for Lyme disease.

Vista LifeSciences

Parker
www.vistalifesciences.com
Innovative healthcare technology solutions for global healthcare challenges.

C Vitan-Biotech, LLC

Aurora
www.vitan-biotech.com
Specializes in the development and commercialization of life science instrumentation, novel biosensing systems and diagnostic devices.

WalkMed LLC

Aurora
www.walkmed.com
Offers solutions for ambulatory infusion therapy and pain management.

Wi Medical Device Development

Englewood
www.wiinc.net
Designs and engineers medical devices, including innovative services such as laser welding, assay design, and air bubble management.

C Zimmer Biomet

Broomfield
www.zimmerbiomet.com
Leading medical device manufacturers, Zimmer and Biomet, join to offer innovative orthopedic medical devices and joint replacement.

Zynex Medical, Inc.

Englewood
www.zynexmed.com
Offers electrotherapy products, utilizing various methods of non-invasive muscle stimulation and electromyography technology, Interferential Current (IFC) and Transcutaneous Electrical Nerve Stimulation (TENS).

BIOTECH & PHARMA RELATED**C AbbVie**

Austin, TX
www.abbvie.com
Combines advanced science with expertise to make strides in drug and treatment discovery.

C Accera, Inc.

Boulder
www.accerapharma.com
Accera is a clinical development company focused on novel therapeutic approaches to treat neurodegenerative diseases where metabolic dysfunction is a pathophysiological hallmark of the disease. Accera leverages the latest in scientific knowledge and understanding to develop treatments for neurological disorders including Alzheimer's disease.

ADA Technologies, Inc.

Littleton
www.adatech.com
Development and commercialization of innovative technologies.

Aerophase, Inc.

Longmont
Aerophase, Inc. is a specialty pharmaceutical company that is leading the effort to treat lung cancer with drugs delivered as aerosols directly into the lungs. Aerophase's lead product is Pulmitaxel™, an aerosol formulation of paclitaxel for the treatment of nonsmall cell lung cancer with demonstrated preclinical efficacy.

C Agilent Technologies

Boulder, Frederick
www.agilent.com
Develops and manufactures therapeutic oligonucleotides.

C Allander Biotechnologies

Aurora
Developing novel therapeutics for oral mucositis.

Allergan, Inc.

Highlands Ranch
www.allergan.com
Multi-specialty health care company focused on discovering, developing and commercializing innovative pharmaceuticals, biologics, medical devices and over-the-counter consumer products.

Allergy Solutions

Erie
www.symbiaallergy.com
Symbia offers a system, to organize, streamline and simplify the delivery of allergy care for non-allergists.

American Allied Biochemical, Inc.

Centennial
www.aablabs.com
Specializes in the purification and distribution of restriction endonucleases enzymes.

C Amgen, Inc.

www.amgen.com
Discovers, develops, manufactures and markets human therapeutics based on advances in cellular and molecular biology.

C AmideBio, LLC

Boulder
www.amidebio.com
Focused on providing peptide and protein research reagents and clinical products for a diverse array of research and commercial targets using proprietary Biopure-Process™ technology.

C Ampio Pharmaceuticals, Inc.

Englewood
www.ampiopharma.com
Development-stage biopharmaceutical company focused on the discovery and development of novel therapies aimed at treating common inflammatory conditions for which there are limited treatment options.

ApopLogic Pharmaceuticals, LLC

Aurora
www.apoplogic.com
Focused on the discovery, development, and commercialization of therapeutic products that target apoptotic cell death pathways found in cancers, leukemias and lymphomas.

C ARCA biopharma, Inc.

Broomfield, Aurora
www.arcabiopharma.com
Specializes in developing and commercializing genetically-targeted therapies for heart failure and other cardiovascular diseases.

Armis Biopharma

Fort Collins
www.armisbiopharma.com
Armis Biopharma is a late-stage clinical biopharmaceutical company with a growing pipeline of targeted anti-infective therapeutics designed to address antibiotic resistance and healthcare-associated infections, a serious and rapidly growing phenomenon.

C Arpeggio Biosciences

Boulder
arpeggiobiosciences.com
Arpeggio Biosciences leverages state of the art sequencing approaches coupled to powerful machine learning to uncover novel insights into a compound's biological mechanism of action.

C Array BioPharma

Boulder, Longmont
www.arraybiopharma.com
Discovers, develops and commercializes targeted small molecule drugs to treat debilitating and life-threatening diseases such as cancer.

C AstraZeneca

Boulder, Longmont
www.astrazeneca.com
Global, innovation-driven biopharmaceutical business that focuses on the discovery, development and commercialization of prescription medicines, primarily for the treatment of cardiovascular, metabolic, respiratory, inflammation, autoimmune, oncology, infection and neuroscience diseases.

C Atara Biotherapeutics

Aurora
www.atarabio.com
Focused on developing meaningful therapies for patients with severe and life-threatening diseases. Product candidates: (a) allogeneic or third-party derived antigen-specific T-cells, and (b) molecularly targeted biologics.

C Atlas Biologicals, Inc.

Fort Collins
www.atlasbio.com
Manufacture, market and distribute animal sera and cell culture reagents.

Aurora Oncology

Aurora
www.auroraoncology.com
Developing drugs to treat superficial bladder cancer and to treat drug resistant bacterial infections.

Avidity, LLC

Aurora
www.avidity.com
Develops and sells molecular affinity tools for connecting molecules.

C Avista Pharma Solutions

Longmont
www.avistapharma.com
A contract development, manufacturing, and testing organization that understands what it takes to rapidly advance products through every stage of development. With over 200,000 square feet of laboratory and manufacturing space in the U.S., Avista Pharma offers a broad suite of scientifically differentiated services ranging from early stage discovery, API and Drug Product development and cGMP manufacturing to stand-alone analytical and microbiology testing support. Led by our broad experience and collaborative approach, we are committed to finding the shortest, most efficient path to success for our clients – success that goes beyond science.

C Aytu BioScience

Englewood
www.aytubio.com
Specialty healthcare company focused on developing and commercializing novel products in the field of urology.

C BCell Solutions, Inc.

Colorado Springs
Established to further research and develop a new drug therapy for the various forms of autoimmune diseases, neurodegenerative diseases, and cancer.

Biomimetix JV, LLC

Englewood
A biopharmaceutical corporation developing compounds for the treatment of various disease and health care treatment classifications such as radiation toxicity incurred during the treatment of cancer.

C BioPlx

Boulder
www.bioplx.com
An advanced microbiomics company developing non-antibiotic methods for the control of infectious disease, including multiple-drug resistant "super-bugs". The company employs targeted microbiological agents along with nutrient and signaling factors to create unique and protectable formulations.

C BioResponse, LLC

Boulder
www.bioresponse.com
Researches, develops and commercializes dietary supplements for better absorption and functional foods.

BioServe Space Technologies

Boulder
www.colorado.edu/engineering/BioServe
Specializes in conducting microgravity life science research and designing and developing space flight hardware.

C Bolder BioTechnology, Inc.

Boulder
www.bolderbio.com
Bolder BioTechnology is a clinical stage protein engineering company dedicated to providing patients with easier to use, safer, and more cost effective protein pharmaceuticals for the treatment of their disease.

C Bond Pets

Nederland
www.bondpets.com
In a process similar to craft brewing, we start with live cells from an animal (no slaughter required) and feed them a nutrient-rich broth of vitamins and minerals. The same ones an animal would eat on farm and field, only without the pharmaceuticals.

Boulder Scientific Company

Mead
www.bouldersci.com
Provides organometallic compounds to the pharmaceutical, polymer, and specialty chemical industries.

C Brickell Biotech, Inc.

Boulder
www.brickellbio.com
A clinical-stage pharmaceutical company focused on the development of innovative and differentiated therapeutics for the treatment of skin diseases.

C Bristol-Myers Squibb

www.bms.com
A global biopharma company firmly focused on its mission to discover, develop and deliver innovative medicines to patients with serious diseases.

C Care Research, LLC

Fort Collins
www.caresearchllc.com
We offer a wide variety of animal models from rodents, rabbits, dogs, guinea pigs, farm pigs, mini pigs, sheep, goats, horses and cattle and a single point of control in our study directors for a full range of studies.

CariCord

Aurora
www.caricord.com
Processing and storage of umbilical cord blood & stem cell products available, anywhere in the world.

C CBL Biopharma

Boulder
www.cblbiopharma.com
Offering peptide starting materials, peptide intermediates, and industrial and commercial-scale manufacturing of proprietary and generic GMP and non-GMP peptides.

Cell>Point

Centennial
www.cellpointweb.com
Develops novel radiopharmaceutical imaging agents, radiotherapeutic agents and local regional radio/chemotherapeutic drug delivery systems for the diagnosis, treatment and post therapy assessment of cancer, cardiovascular disease, infectious disease and metabolic diseases.

Cerebral Therapeutics

Aurora
www.cerebraltherapeutics.com
Combines advanced micro-dosing technology with proprietary medications to precisely deliver treatments to the other side of the blood-brain barrier to improve the lives of patients with uncontrolled neurological disease.

C Cetya Therapeutics, Inc.

Fort Collins
www.cetyatherapeutics.com
Commercializes analogs of the class I isoform selective histone deacetylase inhibitor (HDACi) largazole, targeting unmet medical needs, especially in oncology, neurodegeneration, autoimmunity, and hemoglobinopathies.

CHATA Biosystems

Fort Collins
www.chatasolutions.com
Manufactures blended reagents, HPLC mobile phases, standards, buffers and dissolution media.

Click Nucleic Acids, Inc.

Boulder
www.clicknainc.com
Combining thiol-ene-based click chemistry and oligonucleotide synthesis to produce a new class of oligonucleotide and polynucleotide derivatives.

C ClinImmune Labs

Aurora
www.clinimmune.com
Comprises five laboratories to provide services to kidney, heart, lung, pancreas, and hematopoietic stem cell transplant programs around the world.

C Clovis Oncology, Inc.

Boulder
www.clovisoncology.com
Focused on acquiring, developing and commercializing innovative anti-cancer agents in the U.S., Europe and additional international markets.

Colorado Biolabs, Inc.

Frederick
www.proferrin.com
Manufactures an oral iron supplement made from heme iron polypeptide (HIP). Our proprietary process results in an oral iron product that provides an optimal amount of HIP in a single tablet.

Colorado Histo-Prep (CH-P)

Fort Collins
www.histoprep.com
Produces high quality slides, clinical chemistry and hematology data and fully integrated and detailed seamless pathology reports.

C Colorado Serum Company

Denver
www.thepeakofquality.com
Supplies veterinary biologic vaccines, instruments, laboratory reagents and serums for the veterinary industry.

C Corden Pharma

Boulder
www.cordenpharmacolorado.com
The small to large scale resource for peptides manufacturing.

C Crestone, Inc.

Boulder
www.crestonepharma.com
Drug discovery and development company focused on developing novel treatments for serious bacterial infections.

Cytoskeleton, Inc.

Denver
www.cytoskeleton.com
Offers kits for drug screening, signal transduction and cytoskeletal research specializing in the production of purified proteins and easy-to-use kits to study biochemical and cellular processes.

C DMC

Boulder
www.dmcbio.com
DMC engineers microbes for the production of a broad diversity of high-value products with development costs and timelines that are more than 100x improved over the state of the art.

C Edgewise Therapeutics

Boulder

C Editas Medicine

Massachusetts/Boulder
www.editasmedicine.com
Editas Medicine is building the leading genome editing company dedicated to treating patients with genetically defined diseases.

ELISA Tech

Aurora
www.elisatech.com
Provides immunoassays for the measurement of cytokines, growth factors, and lipid inflammatory mediators.

Entero Track

Centennial
enterotrack.com
Next generation monitoring of gastrointestinal allergic diseases.

C Flagship Biosciences

Westminster
www.flagshipbio.com
Computational Tissue Analysis (cTA™) platform provides the quantitative, contextual tissue interpretation necessary to make timely decisions at all stages of the clinical trial.

C FluoroFinder LLC

Broomfield
www.fluorofinder.com
Software as a Service (SaaS) experiment design tool for flow cytometry, that dramatically improves a medical researcher's productivity and quality, while reducing costs.

FluTrends International / STS Health

Denver, Aurora
www.stshealth.com
Develops and commercializes products for the prevention of influenza.

C Gates Biomanufacturing Facility

Aurora
www.gatesbiomanufacturing.com
Helps clients accelerate the translation of their discoveries into human clinical trials as efficiently and cost effectively as possible.

C GENASSIST, Inc.

Greenwood Village
www.genassistabcs.com
A preconceptional, prenatal and pediatric service business that provides consulting services to patients referred by healthcare providers to help the patient interpret laboratory test results and develop a management plan.

C Genentech

Denver
www.gene.com
Using human genetic information to discover, develop, manufacture and commercialize medicines to treat patients with serious or life-threatening medical conditions.

Genesis Laboratories, Inc.

Wellington
www.genesislabs.com
Provides services to clients in the agrochemical and pharmaceutical industries, rodenticide research and development, as well as invasive species, zoonotic disease, and conservation research.

GeneThera, Inc.

Westminster
www.genethera.net
Develops and markets the latest molecular technologies to eradicate "cross over" diseases such as Johnne's Disease, Mad Cow Disease, Chronic Wasting Disease, and E.coli. Develops assay tests and vaccines to eradicate the threat to humans of diseases transmitted up the food chain by cattle, elk and deer.

C GenoFAB

Boulder
www.genofab.com
Today, biotechnology products are engineered rather than discovered. R&D programs go through iterations of a data-driven product development cycle. We develop an ecosystem of software applications that help life-science organizations design, fabricate, and characterize synthetic DNA molecules.

Genovus Biotechnologies, Inc.

Louisville
Develops biophysical medicine-based treatments for neuromuscular conditions. Its lead developmental product is a non-invasive, neuromodulating medical device for the treatment of functional symptoms of multiple sclerosis.

C GlaxoSmithKline

Denver
www.gsk.com
Produces medicines that treat six major disease areas – asthma, virus control, infections, mental health, diabetes and digestive conditions as well as vaccines and new treatments for cancer.

C GlobelImmune, Inc.

Louisville
www.globeimmune.com
GlobelImmune is developing Tarmogen product candidates to treat cancer and infectious diseases.

Greffex, Inc.

Aurora
www.greffex.com
Global leader in the delivery of accelerated pandemic and bio-terror vaccines using the world's first universal platform, the GREVAX™ Vaccine Platform.

HemoGenix

Colorado Springs
www.hemogenix.com
Assay development laboratory specializing in developing predictive in vitro assay platforms for primary human and animal target cells and stem cell hemotoxicity testing.

C HepQuant, LLC

Aurora
www.hepquant.com
Non-invasive, uses stable (not radioactive) isotopes, and relies on natural, well-defined hepatic functions to measure the portal circulation.

Hiberna Corporation

Boulder
Pursuing the potential clinical application of hibernation in order to slow metabolism, thereby extending survival limits in traumas that reduce oxygen to certain cells, e.g. in the heart and brain.

C Horizon Pharma

Lake Forest, IL
www.horizonpharma.com
A biopharmaceutical company focused on improving patients' lives by identifying, developing, acquiring and commercializing differentiated and accessible medicines that address unmet medical needs. We market 11 medicines through our rare disease, rheumatology and primary care business units.

Hospira - a Pfizer company

Boulder
www.hospira.com
Supplies injectably generic and specialty pharmaceuticals. The Colorado site specializes in the supply of active pharmaceutical ingredients for both internal and external markets.

C i2 Pharmaceuticals, Inc.

Boulder
Creates tools for pharmaceutical drug discovery and development; in addition to proprietary medicinal chemistry services for the expansion of intellectual property protection of early- late-stage pharmaceutical assets.

C IASO Biomedical, Inc.

Centennial
www.iasobiomedusa.com
Developing a drug as an alternative to currently-available testosterone replacement therapy by stimulating the body's own production of testosterone.

ICVrx, LLC

Denver
Creating a new treatment category for epilepsy by reformulating drugs for brain delivery administered through implantable pumps. Site specific computerized drug delivery is promising for improving epilepsy therapy in a significant proportion of refractory patients.

C IM Therapeutics

Broomfield
www.imtherapeutics.com
ImmunoMolecular Therapeutics is a private clinical stage biotech company developing a therapeutic approach for the treatment of Type I Diabetes.

C Immunoah Therapeutics

Aurora
www.immunoah.com
Focuses on researching and developing proprietary antibodies in the field of cancer immunotherapy.

imuTek Laboratories, Inc.

Fort Collins
www.imutek.com
Develops and markets bovine colostrums for the nutrition and health products industry. Indication for colostrum for the passive transfer of antibodies (immunoglobulins) in dry powder form.

InDevR, Inc.

Boulder
indevr.com
Providing progressive analytical technologies that enhance and accelerate vaccine characterization and production. The company is also committed to developing next-generation diagnostic products that will enable unprecedented tracking of seasonal and emerging influenza viruses around the globe.

ingenovax

Broomfield
www.ingenovax.com
Developing two novel immunotherapies for medullary thyroid cancer and one prescription eye-drop for ocular surface neoplasms.

C Inscripta

Boulder
www.inscripta.com
A gene editing technology company dedicated to creating the tools needed to revolutionize how we feed, fuel, and heal humanity. This includes developing a family of CRISPR enzymes (called MADzymes), bespoke nucleases for researchers and commercial partners, and a full suite of gene editing tools (software, instruments, and reagents) that will significantly increase the speed and efficiency of precision gene editing. Inscripta employs ~40 people.

Integrated Molecular Diagnostics Pathology, Inc.

Aurora
www.imdpath.com
Solves problems presented by non-targeted cancer care by providing oncologists and pathologists with advanced genomic testing as a means of targeting cancer care based on the detection and identification of abnormalities that may be found in cancerous tumors.

Invenux LLC

Windsor
Research and development for orphan diseases.

InVitria

Fort Collins
www.invitria.com
Develops, manufactures and markets a portfolio of high performance and well defined cell culture products and reagents used in bioprocessing, biopharmaceutical formulation, stem cell & regenerative medicine, life science research and diagnostics.

C Johnson & Johnson

Denver
www.jnj.com
Manufactures a broad selection of health care products, as well as a provider of related services, for the consumer, pharmaceutical, and medical devices and diagnostics markets.

C KromaTid, Inc.

Fort Collins
www.kromatid.com
Develops a method and kit using chromatid paints to improve detection of chromosomal inversions. The improvement is important to medical applications such as cancer and birth defects.

LABS, Inc.

Centennial
www.labs-inc.org
Provides laboratory testing services focused on donor eligibility determination and final product safety; infectious disease, microbiology, histocompatibility and environmental monitoring.

Legacy BioDesign, LLC

Johnstown
www.legacybiodesign.com
Conducts peptide and protein formulation and assay development work for biopharma companies. The company also specializes in drug delivery and process development of biotechnology-based products.

C Levana Biologics

Denver
www.levanabiologics.com
Partnered with a world-renowned Cell Therapy and Regenerative Medicine Academic Institution and University to offer the healthcare community quality products that are manufactured and delivered with integrity. Levana Biologics provides safe, high-quality bioengineered birth tissues and biomaterials to the healthcare community nationally. These "smart" metabolically active biomaterials supercharge the patient's own stem cells to enhance, promote and stimulate the body's natural healing process. Our multi-disciplinary approach is comprehensive and collaborative; providing a unique structure that intricately allows for the alignment of laboratory-to-clinic; producing an evolution in healthcare worldwide.

Living Ink Technologies

Aurora
livingink.co
Bioscience research and product company developing the first environmentally safe and sustainable printing inks grown from algae.

- Lohocla Research Corporation**
Aurora
www.lohocla.com
Research & development company that is at the forefront of discovery of medications for chronic pain, addictive and other mental health and neurological disorders.
- C Loxo Oncology**
Aurora
www.loxooncology.com
Innovating the development of highly selective medicines for patients with genetically defined cancers.
- C Machavert Pharmaceuticals**
Aurora
www.machavert.com
Develops a new class of immunotherapies to help the human body to fight various diseases, such as cancer or autoimmune disorders.
- C MBC Pharma, Inc.**
Aurora
www.mbcpharma.com
Biopharmaceutical company focused on discovering and developing drugs for bone diseases such as cancer and osteoporosis.
- C MenoGeniX**
Aurora
www.menogenix.com
Clinical stage biotech company developing MNGX-100, a therapeutic biologic, as a novel, non-hormonal, non-SSRI/SNRI, alternative to treat hot flashes and related vasomotor symptoms in women with natural or surgically-induced menopause.
- C Merck & Co., Inc.**
Denver
www.merck.com
Produces products that cover a broad range of areas, including heart and respiratory health, infectious diseases, sun care and women's health. Focusing their research on conditions that affect millions of people around the world – diseases like Alzheimer's, diabetes and cancer – while building strengths in new areas like biologics.
- MI Innovations**
Aurora
Provides affordable chemical and biochemical research & development services, custom equipment and equipment modification, prototyping, short run/one off manufacturing and technical/scale-up/production consultation for startup companies to large corporations.
- C miRagen Therapeutics**
Boulder
www.miragentherapeutics.com
Improves patients' lives by developing innovative microRNA (miRNA) based therapeutics for the treatment of cardiovascular and muscle disease. miRNAs are a recently discovered class of small RNAs encoded in the genome, and are short, single-stranded RNA molecules.
- Molecular BioSciences, Inc.**
Boulder
www.molbio.com
Manufactures products such as water soluble biotinylation reagents, vitamin derivatives, crosslinking reagents, lipophilic probes, fluorophores, radioiodination reagents, and dendritic cores for preparing oligomers.
- MonImmune Therapeutics**
Fort Collins
www.monimmunetherapeutics.com
Developing a pipeline of repurposed compounds focused on monocyte regulation as vaccine adjuvants.
- C Montana Molecular**
Bozeman, MT
www.montanamolecular.com
Fluorescent technologies for drug discovery in living cells.
- C Mosaic Biosciences**
Denver, Aurora
www.mosaicbio.com
Focused on the development of innovative materials for tissue regeneration and repair.
- Mother's Milk is Best**
Fort Collins
www.mothersmilkisbest.com
Developed Human Milk Concentration (HMC) - advanced filtration technology that produces pure, concentrated mother's milk containing the native essential human proteins, beneficial nutrients and immune factors that promote optimal neonate growth and play a profound role in the survival & health of a newborn.
- Nanoly Bioscience, Inc.**
Denver
www.nanoly.info
Developing a safe and proprietary polymer encapsulation to stabilize and protect therapeutic biological molecules, such as vaccines and enzymes, from below freezing to beyond tropical room temperatures.
- NanoSphere Health Sciences**
Greenwood Village
www.nanospherehealth.com
Created an advanced delivery system platform to change the way people take and benefit from nutraceutical supplements and medications.
- C Neuraptive**
Winter Park
www.neuraptive.com
Development-stage surgical product company bringing to market a surgical therapeutic kit to repair injured peripheral nerves.
- NextHerbal Labs LLC**
Aurora
Dedicated to enhancing human health and wellbeing by formulating and launching a line of nutraceutical products including phytochemicals.
- C Novartis Pharmaceuticals Corp.**
Broomfield
www.novartis.com
Researches and develops products to protect and improve health and well-being with core businesses in pharmaceuticals, vaccines, consumer health, generics, eye care and animal health.
- C NovoNordisk**
Colleyville, TX
www.novonordisk.com
A global healthcare company with more than 90 years of innovation and leadership in diabetes care.
- Novus Biologicals, a bio-techne brand**
Littleton
www.novusbio.com
Develops, tests and markets antibodies for research of human diseases such as cancer, cardiovascular and neurological disorders.
- C Ocugen**
Aurora
www.ocugen.com
Exclusively licensed two novel biological molecules which have the ability to improve patient outcomes in a number of retinal disorders including Retinitis Pigmentosa (RP), Geographic Atrophy (GA), and other neurodegenerative diseases as well as wet age-related macular degeneration (Wet AMD), Diabetic Retinopathy (DR), and other neovascular diseases.
- Omix Technologies**
Aurora
www.omixtech.com
Omix Technologies has innovated mass spectrometry-based workflows to provide quantitative proteomics and metabolomics analyses with supreme throughput, accuracy, and precision. These techniques provide unprecedented insight into complex biological systems, providing unique perspectives for the development and improvement of biological products.
- OnKure**
Longmont
www.onkuretherapeutics.com
Engaged in the discovery and development of epigenetic therapies for the treatment of cancer that include selective inhibitors of histone deacetylases (HDACs).
- Op-T-Mune**
Denver
Development of a small peptide to control autoimmune inflammation, specifically in type 1 diabetes and multiple sclerosis.
- C Pathways Bioscience Inc.**
Aurora
www.pathwaysbio.com
Focused on discovering and developing new agents for modifying gene expression and regulating stress response pathways that contribute to cell defense mechanisms.
- Peak Analytical, Inc.**
Golden
www.peaklab.net
Specializes in materials and chemical analysis. Performs a variety of molecular and atomic level spectroscopic techniques to identify failures and defects.
- C Peak Serum**
Fort Collins
www.peakfbs.com
Core focus is Fetal Bovine Serum (FBS) for cGMP-QSR / clinical trial research and diagnostic applications. We provide FBS for all levels of research compliance and laboratory settings. Our strong reputation is built on our solutions based approach and individual needs of our customers.
- PeptiVir**
Aurora
www.site.peptivir.com
Focused on the development and commercialization of a conformationally-constrained, synthetic peptide-based vaccine platform for the prevention of viral diseases.
- C Pfizer Pharmaceutical Company**
Centennial
www.pfizer.com
Discovers, develops, manufactures, and markets prescription medicines for humans and animals.
- PhosphoSolutions, LLC**
Aurora
www.phosphosolutions.com
Designs and produces phosphoproteins solutions using phosphor-specific antibodies. Phosphoproteins are thought to be critical elements in neurological diseases such as Alzheimer's and in cancer.
- PrevaCept Infection Control**
Broomfield
www.prevacept.com
Manufacturers the best-in-class product for catheter infection control, the PrevaCept Lock Solution. PrevaCept has been shown to dramatically reduce the risk of sepsis caused by catheters colonized by microbial pathogens.
- C Pyxant Labs, Inc.**
Colorado Springs
www.pyxant.com
Provides GLP regulatory bioanalytical support for non-clinical through clinical development programs. Specialties include rare tissues, RNA and oligonucleotide therapeutics, nucleoside antivirals, and agricultural and industrial biotech applications.
- Quicksilver Scientific**
Lafayette
www.quicksilverscientific.com
Clinical and environmental mercury lab and dietary supplement manufacturing.
- Regenexx**
Broomfield
www.regenexx.com
Advances stem cell therapies through development of Regenexx™, an injection procedure to treat a wide variety of painful conditions.
- Renaptys Vaccines, LLC**
Aurora
www.renaptys.com
Developing innovative Stable Peptide Immunogen (SPI) platform that targets α -helical epitopes, initially, fusion receptors on viruses.
- C Respirogen**
Boulder
www.respirogen.com
Respirogen Oxygen Microbubble (OMB) technology will provide improved compositions for blood oxygenation as well as improved methods for producing and delivering these oxygen delivery compositions to patients or explanted cells, tissues, or organs. Target Indications: wound healing, as an alternative treatment to Hyperbaric Oxygen Therapy, allowing ambulatory/home care in diabetic ulcers; burn therapy, for improved healing by delivery of oxygenated therapeutics; critical care applications including peritoneal oxygen delivery in NICU and VA-ECMO.
- Reven Pharmaceuticals**
Golden
www.reven.com
A global healthcare company with more than 10 years of innovation and leadership in vascular care.
- C Rezolute**
Louisville
www.rezolutebio.com
A clinical stage biopharmaceutical company specializing in the development of innovative drug therapies to improve the lives of patients with metabolic and orphan diseases. Rezolute is advancing a diversified portfolio including: RZ358 (Phase 2), an antibody for the ultra-orphan indication of Congenital Hyperinsulinism (CHI), with an abbreviated path-to-market strategy; AB101 (Phase 1), a once-weekly injectable basal insulin with the potential to transform the treatment landscape in diabetes management by reducing the therapeutic burden for patients and improving compliance; and a Plasma Kallikrein Inhibitor (PKI) portfolio with two lead compounds, RZ402 targeting Diabetic Macular Edema (DME) and RZ602 targeting Hereditary Angioedema (HAE), an orphan indication.
- Rocky Mountain Biosystems, Inc.**
Wheat Ridge
Research and development of transdermal pharmaceuticals and delivery systems, cosmetic devices, and tissue adhesives.
- Rocky Mountain Diagnostics, Inc.**
Colorado Springs
www.rmdiagnosics.com
Provides immunodiagnostic assays and reagents for biogenic amines, research reagents, a CLIA certified reference laboratory and contract manufacturing services.
- Rocky Mountain Instrumental Laboratories**
Fort Collins
www.rockylab.com
Provides contract chromatographic and mass spectrometric analysis of pharmaceuticals (both traditional drugs and biotechnology products, such as proteins and peptides and oligonucleotides), veterinary and human endocrinology, and forensic toxicology.
- Rocky Mountain Reagents, Inc.**
Golden
www.rmreagents.com
Manufactures stains, culture media and chemistry solutions for the medical industry, as well as titration reagents, indicators, acids, bases, and a variety of chemicals for industrial uses.
- Saigene Biotech, Inc.**
Denver
www.saigene.com
Developing testing processes to identify harmful algae blooms.
- Sandoz**
Broomfield
www.us.sandoz.com
Focuses on pharmaceuticals, consumer health, generics, eye care and animal health. Therapeutic categories include anti-infectives, anti-arthritis, cardiovasculars, gastrointestinal agents & psychotherapeutics.
- C Silvergate Pharmaceuticals, Inc.**
Greenwood Village
www.silvergatepharma.com
Developer and manufacturer of pharmaceutical products focused on the pediatric market.
- C STAQ Pharma**
Denver
www.staqpharma.com
503B Outsourcing facility. Focused on sterile, pre-filled syringes.
- C Steadman Philippon Research Institute**
Vail
www.sprvail.org
Orthopedic sports medicine, SPRI is unlocking the secrets of healing, finding cures and enhancing lives through regenerative medicine, scientific research, innovation and education.
- Sudhin Biopharma Company**
Superior
www.sudhinbio.com
Focus on developing the most efficient biological manufacturing platform technologies and demonstrating these platforms with a few selected biosimilar drugs.
- C SuviCa, Inc.**
Boulder
www.suvica.com
Discovery and development of small molecules for the treatment of cancer.
- C Taiga Biotechnologies, Inc**
Aurora
www.taigabiotech.com
Taiga Biotechnologies, Inc. is a clinical stage company focused on improving blood stem cell transplantation and harnessing the power of the immune system to fight infectious disease and cancer.
- Teleost Biopharmaceuticals**
Boulder
www.teleostbio.com
Teleost Biopharmaceuticals will help people protect themselves from sun damage by stimulating melanin production in the body by a method not triggered by the sun's UV rays.

The BioCollective, LLC

Centennial
www.thebiocollective.com
Biobanking company for microbiome samples. Initial research focus is on epigenetic impact of microbiome metabolites through technology developed by its partner, Topogen, using a topoisomerase reporter system.

C Thermo Fisher Scientific

Lafayette
www.thermofisher.com
Scientific leadership and innovation in RNAi, Gene Expression, qPCR/PCR Detection, and Molecular Biology technologies come together with the Thermo Scientific Dharmacon, Open Biosystems, ABgene, Finnzymes, and Fermentas product lines to provide worldleading solutions for gene analysis.

C TOLMAR, Inc.

Fort Collins
www.tolmar.com
A fully integrated pharmaceutical company focused on the development, approval, and commercialization of specialty pharmaceutical products.

TopGear Automation

Denver
www.topgearautomation.com
Development and validation of biomarkers for environmental exposure, oncology, and related diseases.

UBP Bio

Aurora
www.ubpbio.com
Manufactures and sells bioreagents related to the ubiquitin-proteasome pathway. The ubiquitin-proteasome pathway is responsible for degradation of the majority of cellular proteins.

Upsher-Smith Laboratories, Inc

Denver
www.upshe-smith.com
Develops, manufactures and markets a vast range of prescription and over-the-counter products for cardiology, dermatology, women's health and other areas.

Ursa Medical Technologies

Aurora
www.ursamedical.com
Research company developing a breast cancer treatment compound researching the use of enzyme inhibitors in the cholesterol biosynthetic pathway to explore the safety and efficacy of the compound on a variety of hormonal cancers.

Ventria Bioscience

Fort Collins
www.ventria.com
Develops a protein expression technology platform called ExpressTec with a product pipeline in human nutrition and therapeutics.

C Verkko Biomedical, LLC

Aurora
www.verkkobiomedical.com
Commercializing combustion synthesis technology and manufacturing medical grade customized alpha-, beta-phase tricalcium phosphates as precursor components.

C Vertex Pharmaceuticals, Inc.

Boston
www.vrtx.com
Aims to discover, develop and commercialize innovative medicines so people with serious diseases can lead better lives.

C VisuGen Global, LLC

Aurora
www.visugenglobal.com
Advancing a new approach to concentrate and detect gene targets in a method that is simple to perform anywhere needed.

C VitroBiopharma

Golden
www.vitrobiopharma.com
Develops and commercializes adult stem cell technology for applications in stem cell research, drug discovery & development and therapeutic products for treatment of disease, injury and tissue regeneration.

Vitrolife, Inc.

Englewood
www.vitrolife.com
Develops, manufactures and sells products and systems for the preparation, cultivation and storage of human cells, tissue and organs. Product areas include fertility, transplantation and stem cell cultivation.

C Vivaldi Biosciences

Fort Collins
www.vivaldibiosciences.com
Developing advanced vaccines for prevention of common seasonal influenza ("flu") and emergent pandemic flu.

VRL Laboratories

Centennial
www.vrl.net
Laboratory that offers full service regulated donor eligibility testing for the human cell and tissue community.

Xalud Therapeutics

Boulder
www.xaludthera.com
Novel therapies for the treatment of neuro-inflammatory diseases and inflammatory joint disorders.

Yarra Therapeutics

Boulder
Treatment for rare degenerative heart disease.

YewSavin, Inc.

Fort Collins
www.ajorganica.com
Develops chemical and biochemical technologies. Successfully finished multi-step syntheses using Bromination, Grignard reaction, Suzuki coupling, Amidation, and Esterification reactions.

C yuScience, LLC

Aurora
Focusing on the development of early disease biomarkers in patients with multiple sclerosis (MS).

Z Biotech, LLC

Aurora
www.zbiotech.com
Cost-effective biochemical analysis solutions with a focus to develop innovative microarray and carbohydrate products and related services.

Zalgen Labs, LLC

Aurora
www.zalgenlabs.com
Specializing in the design and production of superior biological molecules critical for the development and commercialization of reliable, rapid, and affordable diagnostic platforms, immunotherapeutics and novel vaccines targeting neglected and underrepresented human infectious diseases.

Zenith BioPharma

Aurora
A cancer therapeutics research and development company focused on targeting cancer stem cells, cancer metastasis and recurrence.

AG BIO/ ANIMAL HEALTH**Advanced Regenerative Therapies (ART)**

Fort Collins
www.art4dvm.com
Provides a stem cell isolation and expansion service for veterinary medicine.

Agripro COKER

Berthoud
www.agriprowheat.com
Develops and delivers superior wheat seed genetics in North America.

Animal Health Options

Golden
www.animalhealthoptions.com
Offers high quality antioxidants and nutritional supplements that meet or exceed industry standards and provide a noticeable benefit to dogs, cats and horses.

Animark, Inc.

Aurora
www.animark.us
Manufactures and sells ultrasound pregnancy detectors and ovulation predictors for livestock breeding.

AnImmune, LLC

Golden
Infectious disease-centric company focused on enhancing efficacy of animal vaccines using knowledge accumulated through decades of human vaccine technology.

Aquatic BioSystems

Fort Collins
www.aquaticbiosystems.com
Full-service organism culturing facility specializing in the production and distribution of freshwater and marine organisms for aquatic toxicology, biomonitoring and other research activities.

Ardent Mills

Denver
www.ardentmills.com
Offers the industry's broadest range of flours, mixes, blends and specialty products. More than 40 community mills and mix facilities, along with a specialty bakery and a Mobile Innovation Center.

BioServe Space Technologies

Boulder
www.colorado.edu/engineering/BioServe
Researches space life science with a wide range of biotechnology applications involving animals, plants and microorganisms.

C Bond Pets

Nederland
www.bondpets.com
In a process similar to craft brewing, we start with live cells from an animal (no slaughter required) and feed them a nutrient-rich broth of vitamins and minerals. The same ones an animal would eat on farm and field, only without the pharmaceuticals.

CarboAnalytics

Fort Collins
www.carboanalytics.com
Develops systems that give accurate sugar analysis for the brewing and distilling, food processing and pharmaceuticals industries.

Cargill Research

Fort Collins
www.cargill.com
Develops, processes and markets science-based, health promoting ingredients for food and dietary supplement industries worldwide.

Colorado Genetics, Inc.

Loveland
www.coloradogenetics.com
Provides livestock embryo-transfer research, artificial insemination, embryo collection, freezing and transfer, and international import and export services.

Colorado Quality Research, Inc. / FeatherTech, Inc.

Wellington
www.coloradoqualityresearch.com
Leading innovator in poultry research.

C Colorado Serum Company

Denver
www.thepeakofquality.com
Supplies veterinary biologic vaccines, instruments, laboratory reagents and serums for the veterinary industry.

C Concentric

Denver
www.concentricag.com
Uses its proprietary microbial consortia technology to combine multiple beneficial bacteria and yeasts into powerful soil and plant boosters that are economical for farmers and greenhouse growers, and safe for people and the environment.

Dairy Authority

Greeley
www.dairymd.com
A food and animal practice utilizing the specialties of their veterinarians, microbiologists and veterinarian technicians.

Dairy Tech, Inc.

Greeley
www.dairytechinc.com
Researcher and manufacturer focusing on early calf development.

DVM Systems

Greeley
www.dvmsystems.com
Technology leader in herd health management.

EI Medical Imaging

Loveland
www.eimedical.com
Provider of portable ultrasounds for veterinarian and livestock procedures to create positive business impacts.

Eurofins BDI

Longmont
www.eurofinsus.com
Provides technology-based, scientifically sound services that cover the entire life cycle from genetics to seed and plant.

C Evolutionary Genomics

Castle Rock/Longmont
www.evolgen.com
Identifies genes with a high likelihood of commercial value for downstream validation through their proprietary Adapted Traits platform.

Fluid Dynamic Siphons, Inc.

Colorado Springs
www.siphons.com
Global leader in the manufacture and distribution of dosing siphons.

Fresh Cow Manager

Boulder
www.freshcowmanager.com
Fresh Cow Manager gets your cows up and eating when they are most nutritionally deprived.

Front Range Biosciences

Lafayette
www.fronrangebio.com
Provides industrial-scale tissue culture propagation and advanced breeding for plants that will be less susceptible to diseases and mold contamination, reducing the need to use pesticides.

Gene Check, Inc.

Greeley
www.genecheck.com
Gene Check is a diagnostic laboratory specializing in veterinary genetics. In addition, Gene Check maintains a dynamic biotech research program, including rare DNA sequence and SNP detection.

GeneBiologics

Boulder
www.genebiologics.net
Developing organisms to efficiently convert nitrogen in air or liquid waste streams into a non-toxic, soluble, concentrated, slow-release sustainable fertilizer; and the directed evolution of enzymes for biosensors and renewable energy applications.

Genesis Laboratories, Inc.

Wellington
www.genesislabs.com
Global leader in the fields of vector biology and wildlife research, focusing in disease prevention in humans.

GeneThera, Inc.

Westminster
www.genethera.net
Develops and markets molecular technologies to eradicate "cross over" diseases such as Johnes Disease, Mad Cow Disease, Chronic Wasting Disease and E.coli. Develops assay tests and vaccines to eradicate the threat to humans of diseases transmitted up the food chain by cattle, elk and deer.

Growcentia

Fort Collins
www.growcentia.com
Makes organic soil supplements that naturally increase nutrient availability to support healthy and vigorous plants.

Hach Company

Loveland
www.hach.com
Focused on providing cleaner water to the world, with improved diagnostics.

Heska Corp.

Fort Collins
www.heska.com
Develops advanced diagnostics and specialty products for veterinary practices that focus on companion animals.

Industrial Laboratories Co.

Wheat Ridge
www.industrialabs.net
An independent third-party analytical laboratory that specializes in food and drug analysis.

International Bovine Training Solutions

Loveland
www.bovinetraining.com
A training experience focused on improving the reproductive performance on dairy and beef operations.

C Jonah Ventures, LLC

Boulder
www.jonahventures.com
Sequencing DNA using next-generation sequencing technology. Areas of service include reconstructing the diet of wildlife and livestock, analyzing the abundance of organisms in aquatic ecosystems, and determining the plants on which pollinators rely.

Jorgensen Laboratories, Inc

Loveland
www.jorvet.com
Designs and manufactures instruments which are used in the animal health field including specialty instruments, surgical suture, and veterinary equipment.

Keeton Industries, Inc.
Wellington
www.keetonaqua.com
Researches and develops biological water treatment, aeration, ozone aeration, solids removal, biofiltration and other new technologies.

Lacuna Diagnostics
Fort Collins
www.lacunadisagnostics.com
Allows veterinarians to upload diagnostic images for near instant review by a veterinary pathologist. Lacuna's proprietary digital platform creates an integrated network of hospitals and pathologists, provides remote, near instant interpretation of diagnostic images by a veterinary pathologist. Lacuna Diagnostics delivers timely diagnosis and raises the standard of care for veterinary patients.

Limagrain
Fort Collins
www.limagraincerealseeds.com
Through cutting-edge seed-breeding methods, the company brings new, improved seed varieties to market in a fraction of the time possible just a decade ago.

Loveland Products, Inc.
Greeley
www.lovelandproducts.com
Offers a complete line of high-performance input products, with a portfolio of seed treatment, plant nutrition, fertilizer, adjuvant and crop-protection products.

Lumiere Diagnostics
Fort Collins
www.lumierediagnosics.com
Innovative solutions for food and water safety.

C Membrane Protective Technologies, Inc.
Fort Collins
www.membrane-protect.com
Blend of organic plant extracts which improves artificial insemination pregnancy rates in cows.

C Microbial Research, Inc.
Fort Collins
www.microbialresearch.com
A veterinary services microbiology laboratory that conducts GLP and GCP compliant research trials.

C Monsanto Company
www.monsanto.com
Global provider of technology-based solutions and agricultural products that improve farm productivity and food quality.

MycoTechnology
Aurora
www.mycotechcorp.com
A food technology company that has developed a natural food processing platform that is solving some of the biggest challenges in the food and beverage industry.

Nutrinsic, Inc.
Aurora
www.nuttrinsic.com
Produces a cost-effective, sustainably produced protein meal which serves as a fish meal replacement (FMR) or additive ingredient for animal feeds, primarily those destined for the aquaculture industry.

Optibrand Ltd., LLC
Fort Collins
www.optibrand.com
Specializes in livestock identification devices and veterinary diagnostics.

C OptiEnz
Fort Collins
www.optienzsensors.com
Produces innovative biosensors for continuously measuring organic chemical concentrations in water and aqueous solutions.

Pisces Molecular
Boulder
www.pisces-molecular.com
Focused on applying molecular genetics technology to problems of fisheries and aquatic conservation biology.

Poudre Canyon Therapeutics
Fort Collins
www.pcthera.com
Developing a pharmaceutical therapeutic that increases the ability of canine and feline immune systems to prevent infection via airborne respiratory pathogens.

Pure Cultures
Denver
www.purecultures.com
An Agtech product development and manufacturing company specializing in prebiotics and probiotics used to support the health of animals and reduce antibiotics in our food chain.

SiVEC Biotechnologies
Fort Collins
www.sivecbiotechnologies.com
Developing antiviral products for the rapid prevention of economically important diseases. Currently focused on developing SiVEC-AIV, a patent-pending antiviral for avian flu in poultry.

Summit Plant Laboratories, Inc
Fort Collins
www.plantlabs.com
Applies laboratory plant cloning and greenhouse technologies to produce planting stocks for breeders, greenhouses, and field crop producers.

Syngenta
Longmont
www.syngenta-us.com
Produces agrochemicals and seeds. As a biotechnology company, it conducts genomic research.

Verdant BioSciences Corp.
Denver
www.verdantbio.com
Develops plant biochemical regulators that provide superior plant performance and unlock the productive power of plants in markets from floriculture to industrial agriculture.

C VetDC
Fort Collins
www.vet-dc.com
Focused on the development of novel devices, diagnostics and therapeutics for emerging veterinary markets, including an approved therapy for canine lymphoma.

C Veterinary Diagnostics Technology
www.serumtest.com
Veterinary diagnostic products.

Warren Analytical Laboratory
Greeley
www.warrenlab.com
Specializes in food microbiology, molecular biology, food chemistry, residue chemistry and nutritional labeling.

Wildlife Pharmaceuticals, Inc.
Windsor
www.wildpharm.com
Providing pharmaceuticals for the safe and humane care of non-domestic and exotic wildlife species.

Zoetis
Longmont
www.zoetisus.com
Discovers, develops, manufactures and commercializes a diverse portfolio of animal health medicines and vaccines designed to meet the real-world needs of veterinarians and the livestock farmers and companion animal owners they support.

MOBILE/DIGITAL

AbleLink Technologies
Colorado Springs
www.ablelinktech.com
Addresses the need for well-researched cognitive support technologies for individuals with intellectual disabilities.

C ADAN.net
Denver
adan.net
Comprehensive Lifetime Navigation Platform for people with Autism and other developmental disabilities.

Allergy Solutions, LLC
Denver
www.symbiaallergy.com
Developed an allergy-management platform allowing providers to perform allergy tests and prescribe immunotherapy.

C Alvy Health
Denver
www.alvyhealth.com
Developing a digital platform for patient monitoring, critical system management and real time treatment decision making to improve acute, emergency and urgent care.

C BehaviorMe
Gainesville, FL
www.behaviorme.co
BehaviorMe is developing immersive virtual reality simulations for behavioral specialists to use as a tool to better generalize skill sets. Our VR simulations will give practitioners the opportunity to teach basic life skills to individuals with Autism Spectrum Disorder and developmental disabilities in a new, innovative, and safe way.

Burst IQ
Colorado Springs
www.burstiq.com
Building a secure and open platform for health data.

CareSpan
Longmont
www.carespanhealth.com
Connects patients and providers by offering physicians a complete and secure workplace-in-the-cloud that allows healthcare delivery consistent with the standards of an in-person exam, while leveraging the economic scalability and efficiency of the internet.

CirrusMD
Denver
www.cirrusmd.com
Developed a platform to connect patients and providers via text messaging without putting personal health information at risk.

CIVHC
Denver
www.civhc.org
Helps Colorado drive, deliver and buy value in health care by administering the Colorado All Payer Claims Database; unlocking information and insights that guide how healthcare gets delivered, used and paid for; and bringing together organizations and individuals to design and drive collective change.

C Cliexa
Denver
www.cliexa.com
Provides decision support to physicians and other healthcare providers during the treatment process and optimizes treatment methods based on evidence-based knowledge and data.

C CORHIO
Denver
www.corhio.org
Its health information exchange (HIE) technology, data analytics tools and consulting help healthcare providers access information to save lives, streamline care coordination, reduce costs and improve clinical outcomes.

DARTNet Institute
Aurora
www.dartnet.info
The DARTNet Institute is a rapidly growing collaboration of practice-based research networks that are building a national collection of data from electronic health records, claims, and patient-reported outcomes.

DZEE Solutions
Centennial
www.dzeesolutions.com
DZee Solutions provides Data Analytics and Decision Support solutions for optimizing healthcare financial and plan selection decisions.

EMS Relay
Broomfield
www.emsrelay.com
Developed a mobile app allowing EMS responders to send images and video from the field to the ER.

EngageMyHealth, LLC
Centennial
www.engagemyhealth.com
Provides a software based solution for elective healthcare centers. The integrated platform covers mobile centric digital communication to patients and prospects, before, during and after their office visits.

C gaugewear, Inc.
Boulder
www.gaugewear.com
Developing the first wearable, wireless, non-invasive core body temperature sensor.

Global Healthcare Exchange (GHX)
Louisville
www.ghx.com
Help healthcare providers reduce costs by automating the supply chain and providing business intelligence tools to help them make smarter and faster decisions.

Health Sqyre
Denver
www.healthsqyre.com
Online marketplace for medical equipment with real-time assistance and transparent pricing tools to empower patients regarding insurance coverage.

Incendant
Pueblo
www.incendant.com
Created a web-based, patient engagement platform that enables providers to automatically engage patients with video/email education and SMS reminders.

IngeniumCare
Denver
www.ingeniumcare.com
Provides support for patient home monitoring and provides wireless biometric feedback to caregivers.

Innamed
Philadelphia, PA
www.innamed.com
With only a few drops of blood required and without needing to visit a lab, its blood testing device will allow you to track the same important health indicators that many doctors use to assess your overall health.

iTriage
Denver
www.itriagehealth.com
A platform for consumers to get medical answers, find care options and securely maintain health information.

Kindara
Boulder
www.kindara.com
Kindara apps and smart devices help women take an active role in their reproductive health, resulting in better outcomes at lower cost.

Matrix Analytics, Inc.
Denver
www.matrix-analytics.com
The Nodule Project is Matrix Analytics' clinical decision support platform designed to improve patient outcomes by aiding in the early detection, diagnosis, and cost-effective treatment of pulmonary nodules and lung cancer.

MedAware Systems
Broomfield
www.medaware.com
Provides healthcare professionals, payers, patients, pharma and medical device companies with actionable information on the efficacy and safety of medical treatments to make the best decisions for each patient.

MedKeeper
Arvada
www.medkeeper.com
Provides a suite of fast, flexible, and economical applications for hospital pharmacies.

C METHOD LLC
Aurora
www.themethoddifference.com
Bridges the gap between exercise and medicine to optimize performance, monitor and speed recovery and prevent injury.

Mindful Labs
Aurora
www.getmindful.co
Collects monthly hair samples from users through the mail. A CLIA certified lab translates this into the average monthly cortisol levels viewable on a mobile phone, allowing customers to monitor cortisol levels and take corrective action.

Mobile Assay
Boulder
www.mobileassay.com
Created a lab-on-mobile-device platform with customizable smartphone diagnostic tools for use with any rapid diagnostic test or colorimetric assay. Its automated mReader™ imaging system transforms ordinary qualitative (positive/negative) tests into highly sensitive quantitative tests.

My Rounding
Denver
www.myrounding.com
A platform that allows healthcare providers to standardize, automate and track their rounding activity. It allows nurses and staff to be proactive, improving care and patient experience.

Myonic Technologies
www.myonic.tech
Creates enabling technology for users with paralysis. Gives users back the ability to control their own muscles with a wearable device.

myStrength

Denver
www.mystrength.com
Created a platform to help healthcare payers and providers extend access to evidence-based resources to help consumers better manage depression, anxiety and substance abuse disorders.

Nymb Science

Boulder
www.nymbscience.com
Combines medical science with mobile technology to allow people to easily measure their balance, and then recommends a program to improve balance.

OptioSurgical

Denver
www.optiosurgical.com
Provides affordable healthcare through vendor transparency and advanced analytics. The company's orthopedic database provides vendor-by-vendor cost comparisons of equivalent tools, implants and disposables.

Ortho Track

Denver
www.orthotrack.co
Replaces the antiquated manual paper-based process of recording implants with an intraoperative iPad application that leverages a proprietary database of orthopedic products and equivalencies. After tracking what is used in surgery OrthoTrack displays a surgeon-by-surgeon breakdown of cost, savings opportunities, and patient reported outcomes.

C PatientOne

Missoula, MT
www.patientone.co
PatientOne offers a unique software platform that dramatically improves the informed consent process for patients, providers, and medical malpractice carriers. The software solution reduces liability for providers and carriers, increases in-office efficiency, and creates a demonstrable understanding for patients of both the risks and benefits of a particular surgical procedure.

Physician Cognition

Telluride
www.physiciancognition.com
Created a differential diagnosis search engine to minimize misdiagnoses and prevent unnecessary testing and procedures.

PreAcute PHM, Inc.

Aurora
www.preacutephm.com
Helps lower healthcare expenditures using its predictive clinical data analytics platform to focus on pre-acute clinical interventions to treat patients in the early stage of their illness, when they can often benefit from alternative, low-cost point treatments.

C PrecisionProfile, Inc.

Boulder
www.precision-profile.com
Precision medicine for data analysis and visualization toolset for genomic profile data that integrates research literature, clinical trial formation and molecular diagnostic reports.

Predictive Recognition

Boulder
www.recogdata.com
Helps hospitals recognize and predict patient risk and improve quality of care.

Preventative Technology Solutions

Loveland
mypreventtech.com
PreventTech creates medical assessment applications and mental health prevention services to reduce risk behaviors in adolescents and young adults. Our proprietary measures support predictive analytics at the clinic and population levels.

C Prima-Temp, Inc.

Boulder
www.prima-temp.com
Innovative biometric approaches to early disease detection and reproductive medicine through the application of 21st century thermometry.

C Radish Systems

Boulder
www.radishsystems.com
Its mobile enterprise software, ChoiceView, allows businesses to share visuals with patients in real-time.

RxAssurance

Boulder
www.rxassurance.com
Patient feedback system to collect, analyze and report data related to medication adherence, effectiveness, safety, satisfaction and patient continuity of care.

C RxREVU

Denver
www.rxrevu.com
RxREVU's Prescription Decision Support platform is a first-of-its-kind tool that provides prescribing guidance for providers within the EHR workflow. It delivers a unified patient view that evaluates safety protocols, formulary and benefit data, and clinical best practices to recommend the most appropriate medication at the point of prescribing while reducing the time it takes for a provider to prescribe. It enables hard-wired communication at the point of care, to inform prescribers, drive consistent prescribing, lower costs, inform adherence, and improve quality metrics for HEDIS and Stars. It also provides real-time analytics tools, allowing administrators to monitor best practices and evaluate provider performance to clinical protocols and outcomes.

SafelImageMD

Denver
www.safeimagemd.com
Created a secure transfer and storage technology allowing providers to share critical medical images with colleagues, patients, physicians and institutions anywhere in the world.

Script Adviser

Greenwood Village
www.scriptadviser.com
Improves the treatment of infectious disease through collaboration with other healthcare practitioners and their patients via cloudbased video conferencing and decision support technology.

Self Aware Apps

Denver
www.selfawareapps.com
Creates assistive intelligence engines that help people live better lives by enabling their mobile device to hear, see and sense the world around them.

Skindroid

Aurora
skindroid.io
Developed new skin sensor technology to detect key parameters of basic metabolic panel from a user's sweat. Skindroid is a wearable biosensing hardware device that allows remote, non-invasive BMP monitoring via FHIR API integration with health data platforms.

Skywriter MD

Westminster
www.skywritermd.com
Provides real-time, virtual medical scribe services that navigate the EMR and enter data, execute tasks and write orders as directed.

Sleep Image

Denver
www.sleepimage.com
Develops a system to measure sleep, receive a clinically-validated indicator of sleep health and learn how behavioral changes can impact sleep.

Sleep Shepherd

Colorado Springs
www.sleepshepherd.com
Developed a device to improve sleep in people with sleeping disorders or people who simply want to improve the quality of their sleep, using EEG brainwave monitoring and a binaural beat system to slow the brain rate from an awake state to a sleeping state.

Socon Health

Denver
www.soconhealth.com
A HIPAA compliant telemedicine and patient engagement technology that allows patients and providers to communicate asynchronously via video messaging.

C Somno Health Inc

Golden
www.geteversleep.com
EverSleep gives hospital-grade measurements to you at home without doctors, clinics, or prescriptions. Continuously monitor blood oxygen, pulse, snoring, motion, and respiratory function while understanding what's disrupting your sleep and how to fix it. Discover techniques, tips, and products specific to you. Take control of your sleep!

Sonaura, LLC

Fort Collins
www.mysonaura.com
An electronic two way communication system between patient and doctor allowing women undergoing IVF treatment to perform their sonograms at home during the follicle stimulation cycle.

Sopris Health

Denver
www.soprishealth.com
Improving physician satisfaction by dramatically reducing data entry.

C Tazmo

Denver
www.tazmo.co
A data intelligence platform that integrates with existing eClinical systems to provide unified insights, allowing the monitoring of studies in real time, and an intuitive portal for discovering and sharing actionable insights across an organization.

Tech-X Corporation

Boulder
www.txcorp.com
Specializes in scientific and engineering software, including visualization and algorithm development.

Test Appropriate, LLC

Littleton
www.testappropriate.com
Provides a cloud-based web tool that allows clinicians to write orders during a patient visit for cardiac tests.

ValidCare, LLC

Centennial
www.validcare.com
Creates value-based surgical care models through collection and use of real-time, patient-reported data. Providers use the data to power care navigation and measure and improve cost and quality of care delivered.

C Velóce

Denver
www.veloce.com
Wireless drug delivery and monitoring systems.

C Visible Hand

Denver
www.visiblehand.com
The Foresight app from VisibleHand provides real-time collaborative intelligence for behavioral care facilities that helps them document, share and implement resident data.

C Visible Network Labs

www.visiblenetworklabs.com

Wellness Intel

Denver
www.wellnessintel.com
Developing an application to help patients make informed decisions about their healthcare.

RESEARCH AND EDUCATION**C Advanced Diagnostic Laboratories (Adx) at National Jewish Health**

Denver
www.njlab.org
National Jewish Health is known worldwide for treatment of patients with respiratory, cardiac, immune and related disorders, and for groundbreaking medical research. The Advanced Diagnostic Laboratories provide innovative services within the extraordinary clinical and research environment of National Jewish Health. Leveraging our expertise in both laboratory medicine and personalized medicine, we offer an ever-expanding menu of diagnostic tests, as well as contract research services. Our laboratories are CAP and CLIA certified, and have earned the prestigious CAP 15189SM accreditation.

C BioFrontiers Institute

Boulder
www.biofrontiers.colorado.edu
State-of-the art research and education facility that links the basic sciences, engineering, clinical practice, and industry at the University of Colorado's Boulder campus.

Biological Sciences Curriculum Study (BSCS)

Colorado Springs
www.bsccs.org
A nonprofit corporation that endeavors to improve all students' understanding of science and technology by developing exemplary curricular materials, supporting their widespread and effective use, providing professional development, and conducting research and evaluation studies.

Bonfils Blood Center

Denver
www.bonfils.org
One of the nation's leading community blood centers through their commitment to quality service, innovation, research and technology. Offering a full range of blood products and services to healthcare partners, including supplying rare blood units or helping to determine the best cross-matched unit to ensure the best possible patient outcomes.

CHI Institute for Research and Innovation (CIRI)

Englewood
www.chiresearch.org
Founded by Catholic Health Initiatives (CHI) in 2007, the CHI Institute for Research and Innovation partners with CHI hospitals and physicians to further the advancement of healthcare. From pioneering new models of care delivery to creating partnerships within and outside of CHI, CIRI provides a research community fostering innovation in three distinct areas: 1. Center for Clinical Research (CCR): Sustaining clinical research and trials is costly and challenging. By creating a national model that uses standardized procedures, policies and IT infrastructures, CCR efficiently and effectively manages

clinical trials across CHI's hospital network. 2. Center for Health Care Innovation (CHCI): CHCI pioneers new ways to deliver health care. This center is focused on creating and testing new models that will enhance care and better manage populations. 3. Center for Translational Research (CTR): The emerging and revolutionary field of biomedicine and genomics is the focus of CTR.

Centers for Disease Control and Prevention/ Division of Vector-Borne Infectious Disease

Fort Collins
www.cdc.gov/nceid/dvbid
The Division of Vector-Borne Infectious Diseases (DVBD) is part of the U.S. Centers for Disease Control and Prevention (CDC). CDC is the lead federal agency for protecting the health and safety of people at home and abroad. DVBD serves as a national and international reference center for vector-borne viral and bacterial diseases, such as West Nile virus, Lyme disease, plague, tularemia, yellow fever and dengue. It coordinates national disease monitoring activities, conducts field and laboratory research, responds to epidemic situations, develops strategies for disease prevention and control, provides diagnostic reference and epidemiologic consultation, and conducts technical assistance and professional training activities.

Children's Hospital Colorado

Aurora
www.childrenscolorado.org
Children's Hospital Colorado has been ranked for more than a decade as one of the best children's hospitals nationally in U.S. News & World Report, and is the consistent choice eight years in a row by area physicians for the care of their loved ones. With 1,130 pediatric specialists and more than 2,300 full-time employees, Children's Colorado is home to a number of nationally and internationally recognized medical programs including the Center for Innovation, providing an opportunity for innovators to come together to develop groundbreaking ideas that will enrich and save lives through better technology and healthcare.

C Colorado School of Mines

Golden
www.mines.edu
A public research university internationally recognized for its leadership in engineering, applied science and related disciplines, with a special emphasis on the Earth and its resources. These programs, with strong interdisciplinary linkages across the campus, have led to the integration of bioscience and biotechnology into educational and scholarly activities. CSM has created a Bioengineering and Life Science Program that draws upon faculty and students from all of the academic units.

C Colorado State University

Fort Collins, Pueblo, Denver
www.colostate.edu
As one of the nation's leading research universities, Colorado State University is committed to realizing its vision as a 21st century landgrant university. CSU leads

the world in such areas as infectious disease research, atmospheric science and environmental science. Its faculty members are tackling such issues as the reemergence of tuberculosis, the brown cloud of air pollution in Asian cities, severe weather forecasting, nutrition and wellness, and bioterrorism. In addition to its excellent programs in those areas, CSU offers among the very best professional programs in the United States in areas like veterinary medicine, occupational therapy, journalism, agriculture and construction management.

Craig Hospital

Denver
www.craighospital.org
A world-renowned rehabilitation hospital that exclusively specializes in the neuro-rehabilitation and research of patients with spinal cord injury (SCI) and traumatic brain injury (TBI). Craig is a not-for-profit, free-standing, national center of excellence that has treated more than 31,000 patients with SCI and TBI since 1956.

CSU BioMARC

Fort Collins
www.biomarc.colostate.edu
A nonprofit CMO owned and operated by Colorado State University created to translate and produce biopharmaceutical products for non-clinical, clinical, and commercial use under Biosafety Level 3 (BSL-3) and BSL-2 containment (including spore former containment) and Select Agent (SA) biosecurity conditions. In addition to manufacturing and testing services, BioMARC offers product and process development services, which includes the creation of development programs focused on implementation of CGMP regulations and scalability issues.

C CSU Research Innovation Center

Fort Collins
www.csuric.org
The Research Innovation Center (RIC) serves as a vehicle to perform collaborative translational-stage research with CSU's life sciences community of researchers, giving it the promise to become the birthplace of medical breakthroughs.

C CU Innovations

Aurora
www.ucdenver.edu/anschutz/about/cuinnovat
Brings together industry partners, entrepreneurs, and investors to help CU researchers solve important problems and improve the quality of life worldwide. With expertise in patents, copyrights and licensing, CU Innovations helps translate discovery into impact through transparent, flexible, best practice intellectual property management services, and connect researchers at CU's Anschutz Medical campus with a variety of commercialization programs in the University and the community.

DARTNet Institute

Aurora
www.dartnet.info
The DARTNet Institute is a rapidly growing collaboration of practice-based research networks that are building a national collection of data from electronic health records, claims, and patient-reported outcomes.

Denver Botanic Gardens

Denver
www.botanicgardens.org
One of the top-ranked botanical gardens in the U.S., Denver Botanic Gardens offers spectacular plant displays and unlimited opportunities for lifelong learning.

Denver Museum of Nature and Science

Denver
www.dmns.org
The Denver Museum of Nature & Science is the Rocky Mountain region's leading resource for informal science education. A variety of exhibitions, programs, and activities help Museum visitors experience the natural wonders of Colorado, Earth, and the universe. Its Expedition Health exhibit examines how the human body is constantly changing and adapting in ways you can see, measure and optimize through choices you make.

Denver Research Institute

Denver
www.dri-va.org
Denver Research Institute (DRI) serves as the non-profit organization affiliated with the VA Eastern Colorado Health Care System. It is dedicated to research and its associated educational and scientific endeavors.

Front Range Community College

Brighton, Fort Collins, Longmont and Westminster
www.frontrange.edu
Front Range Community College, Colorado's largest community college, provides instruction, in both general education and occupational areas, which may lead to a certificate, an associate degree, or transfer to a four-year institution. The college also provides college preparatory education, non-credit instruction for personal and professional development, and workplace skill development. With campuses located in Fort Collins, Longmont and Westminster, the college is proud of its many partnerships to provide quality programs that are responsive to the needs of its local communities.

C Keystone Symposia on Molecular and Cellular Biology

Silverthorne
www.keystonesymposia.org
A non-profit organization that serves as a catalyst for the advancement of biomedical and life sciences, by connecting scientists within and across disciplines at conferences and workshops held at venues that create an environment conducive to information exchange, generation of new ideas, and acceleration of applications that benefit society.

National Institute of Standards and Technology (NIST)

Boulder
www.nist.gov
NIST is a non-regulatory federal agency that operates eight different science and advanced technology research divisions in Colorado. NIST's list of research accomplishments includes a NIST senior scientist winning the Nobel Prize in 2001 for creating the world's first "Bose-Einstein condensate." In 2003 another NIST scientist won a MacArthur Fellowship for discovering a new quantum gas and was named by Science as one of the top ten scientific advances of the year.

C National Jewish Health

Denver
www.njhealth.org
National Jewish Health, the nation's #1 respiratory hospital in the US, attracts thousands of adult and pediatric patients each year who come to us to team up with our expert physicians and researchers and seek treatment for respiratory, cardiac, immune and related conditions. National Jewish Health is also one of the most influential independent biomedical research centers in the world. More than 100 faculty members conduct basic, translational, and clinical research in immunology, respiratory medicine, allergy, cancer, and cell and molecular biology.

Power Mountain Engineering, Inc.

Fort Collins
www.powermountainengineering.org
Nonprofit afterschool program for gifted and talented students in grades 8-12 who are interested in a STEM career. Students meet with community volunteers for an entire semester to design and build an advanced project from raw materials. The program encourages our best students to take up college studies in STEM by immersing them in an authentic, hands-on R&D experience.

Regis University

Denver
www.regis.edu
The School of Pharmacy aspires to be the foremost school of pharmacy in the United States where students are nurtured and developed to become leaders in pharmacy practice, research, education, and public service. They are educated to be committed to excellence in healthcare, evidenced not only by their knowledge and abilities, but also by their quality of care, integrity, compassion, respect, advocacy, initiative, service and leadership. To achieve these goals, faculty members are dedicated to providing innovative practice models, exploring novel applications of basic and clinical research, and illustrating the value of lifelong learning.

Rose Medical Center

Denver
www.rosemed.com
Has earned a reputation as Denver's "Baby Hospital" while becoming a leader in comprehensive women's services, internal medicine, endoscopy, heart and vascular care, orthopedics and total joint replacement, bariatric surgery, sports medicine and aesthetic surgery.

Rocky Vista University College of Osteopathic Medicine (RVUCOM)

Parker
www.rvu.edu
Rocky Vista University College of Osteopathic Medicine (RVUCOM) has five departments – Biomedical Sciences, Structural Medicine, Primary Care, Osteopathic Principles and Practices, Specialty Medicine and Medical Informatics. The faculty and staff of RVUCOM are committed to osteopathic philosophy and heritage, and to advancing the science and the art of the practice of osteopathic medicine.

Scientific Education & Research Institute (SERI)

Thornton
www.theseri.com
SERI combines an orthopedic clinic, specializing in spine surgery, with a clinical research unit and an education and training program.

C Steadman Philippon Research Institute

Vail
www.sprivail.org
Orthopedic sports medicine, SPRI is unlocking the secrets of healing, finding cures and enhancing lives through regenerative medicine, scientific research, innovation and education.

Swedish Medical Center

Englewood
www.swedishhospital.com
Level I Trauma Center serves as the region's referral center for neurotrauma and is a recognized leader in the treatment of stroke. An acute care hospital with 368 licensed beds.

UCHealth Simulation Center

Aurora
www.wellssimulationcenter.org
The UCHealth Simulation Center on the Anschutz Medical Campus in metro Denver offers a complete array of state-of-the-art patient simulation tools for building clinical knowledge and advancing multi-disciplinary expertise in health care.

United States Geological Survey (USGS) - Center for Biological Informatics

Denver
www.biology.usgs.gov/cbi
The Center for Biological Informatics, at the Denver Federal Center, operates the national Biological Information Infrastructure (NBII). This is the first comprehensive electronic gateway dedicated exclusively to biological science data and information from sources throughout the world.

C University of Colorado

Boulder, Denver, Aurora, Colorado Springs
www.cu.edu
The University of Colorado System's 52,000 students and 28,000 faculty and staff contribute to every facet of life in Colorado. The state's economic vitality, educated workforce, entrepreneurial climate, cultural capital, health care delivery, and scientific explorations all rely on the driving force of a vigorous state university. By working with other CU academic and research units, as well as local, state, and federal funding agencies, commercial business, and nonprofit organizations, CU is creating a collaborative synergy in important areas that will better the wellness of society. Research and teaching hospitals affiliated with the University of Colorado include: The University of Colorado Hospital, Children's Hospital Colorado, National Jewish Medical and Research Center, Denver Health and the VA Medical Center.

C University of Colorado Cancer Center

Aurora
www.uch.edu/colorado-cancer-center
The University of Colorado Cancer Center is Colorado's only National Cancer Institute designated consortium comprehensive cancer center. The center is a consortium of three state universities, including the University of Colorado Boulder, University of Colorado Denver and Colorado State University, and six institutions (University of Colorado Health, a network comprised of University of Colorado Hospital, Poudre Valley Hospital, Medical Center of the Rockies and Memorial Hospital; Children's Hospital Colorado; Denver Health, Denver VA Medical Center, Kaiser Permanente Colorado and National Jewish Health).

C University of Colorado Denver - Center for Surgical Innovation

Aurora
www.ucdenver.edu/csi
A multidisciplinary surgical training center dedicated to promoting educational courses and development of leading edge surgical techniques and technologies. The center is affiliated with the Department of Surgery in the CU School of Medicine.

C University of Colorado Denver, iC42

Aurora
Research & Development to carry out pre-clinical and clinical drug development programs, through the evaluation of pharmacokinetics, drug metabolism and the development of clinical management tools. iC42 combines quantitative mass spectrometry and metabolic and protein profiling technologies under one roof. iC42 Clinical Research & Development is designed and uniquely qualified to carry out the bioanalytics for complex clinical trials involving drug quantification and molecular marker strategies. In addition, iC42 carries out research and development projects including molecular marker discovery and qualification, translational research and strategy development and the identification of molecular mechanisms.

C University of Colorado Health

Loveland, Fort Collins, Colorado Springs
www.pvhs.org
Poudre Valley Health System (PVHS) and the University of Colorado Hospital (UCH) finalized a joint operating agreement in early 2012 that creates a health system its leaders say will widen health care services and provide unparalleled patient care in the Rocky Mountain region. Called University of Colorado Health, the new system combines one of the top-performing community health systems in the nation with the highest-ranked academic medical center in quality in the country. With annual net revenue of \$1.5 billion, it will be one of the region's largest locally-owned health systems and, with nearly 10,000 employees, one of Colorado's largest employers.

C University of Denver

Denver
www.du.edu
Strives to provide the most modern educational and research facilities in the life sciences. Their history spans the Denver Research Institute's development of the first NASA life monitoring sensors, the establishment of a state-of-the-art forensics laboratory, and the 2003 acquisition of the Eleanor Roosevelt Institute with pioneering efforts in genomics and bioinformatics. The interdisciplinary mission of the University enabled the Department of Biology to launch new emphases in Bioengineering, Biophysics and Cognitive Neuroscience designed for molecular biology majors. In addition to strong and quality curricula, bioengineering and life sciences at DU carry multimillion-dollar-a-year research studies in the creation of new knowledge and leading edge biotechnologies to improve quality of life for a worldwide community.

C University of Northern Colorado

Greeley
www.unco.edu
The University of Northern Colorado (UNC) is a four-year doctoral-granting university with a Carnegie classification of "Doctoral Universities: Higher Research Activity" (R2). Established in 1889, UNC combines innovative teaching opportunities and community engagement with scholarly interests and research. The groundbreaking UNC Cancer Rehabilitation Institute is one example of translational research that reaches well beyond our campus community to international populations. UNC has garnered more than \$17.5 million in external funding over the last three years, ranging from National Science Foundation grants in biological anthropology to National Institute of Health-supported studies in psychology. Through research, UNC advances knowledge, engages students and makes a difference locally and globally.

MEMBER FOUNDATIONS

C Boettcher Foundation Webb-Waring Biomedical Research Program
Denver
www.boettcherfoundation.org
The Boettcher Foundation invests in the promise of Colorado and the potential of Coloradans. Its Webb-Waring Biomedical Research Awards provide biomedical research funding for early career investigators at Colorado's research institutions. Our biomedical research institution partners manage their own internal, competitive and peer-reviewed application processes. For information, contact your institution.

C Boy Scouts of America
Denver
www.denverboyscouts.org
The mission of the Boy Scouts of America is to prepare young people to make ethical and moral choices over their lifetimes by instilling in them the values of the Scout Oath and Law.

C CSU Ventures, Inc.
Fort Collins
www.csuventures.org
CSU Ventures, Inc. (CSUV) is a 501(c)(3) non-profit corporation that actively supports and promotes the transfer of Colorado State University (CSU) research and innovations into the marketplace for the benefit of society. CSU Ventures serves CSU faculty and researchers who wish to protect and license intellectual property; builds relationships with industries and investors seeking to engage with CSU; and leverages CSU innovation to foster business formation and enhance regional economic vitality.

C Morgan Adams Foundation
Denver
morganadamsfoundation.org
The Morgan Adams Foundation helps fill the gap between the limited pediatric cancer research dollars available and critical projects that might otherwise go unfunded. By providing seed, bridge gifts and grants for research exploring more effective and less-toxic therapies for the treatment of pediatric cancers, we are funding hope.

C University of Colorado Office of Advancement
Aurora, Boulder, Colorado Springs
www.cu.edu/advancement
The University of Colorado Office of Advancement collaborates with faculty, staff, benefactors, alumni and friends to raise private support for the university by matching the passions of benefactors with the needs, priorities and goals of each campus.

COMMUNITY PARTNERS

ASQ (American Society of Quality)
www.asq.org/perl/section_list.pl?Colorado
ASQ is a global community of people passionate about quality, who use the tools, their ideas and expertise to make our world work better. ASQ: The Global Voice of Quality.

C Boomtown
Boulder
www.boomtownaccelerator.com
An innovative and effective start up accelerator with a strong curriculum, excellent mentors, and a leadership staff that is passionate about what they do. All of this is centered within Boulder, CO, which has a higher concentration of startups than anywhere else in the U.S.

CIVHC
Denver
www.civhc.org
Helps Colorado drive, deliver and buy value in health care by administering the Colorado All Payer Claims Database; unlocking information and insights that guide how healthcare gets delivered, used and paid for; and bringing together organizations and individuals to design and drive collective change.

C Colorado Institute for Drug, Device and Diagnostic Development (CID4)
Aurora
www.cid4.com
CID4 provides management expertise to efficiently transform emerging life science technologies into commercial successes. We do this by identifying and funding potential opportunities, and by utilizing an advanced leadership team to ensure speed to market, putting new products and services to work where they are needed.

C CORHIO
Denver
www.corhio.org
Its health information exchange (HIE) technology, data analytics tools and consulting help healthcare providers access information to save lives, streamline care coordination, reduce costs and improve clinical outcomes.

C Fitzsimons Innovation Community
Aurora
www.fitzsimonsinnovation.com
Offers a range of opportunity to life sciences research and development companies of all sizes, from small start-ups to established industry leaders. Within the campus, more than six million square feet of corporate and bioresearch facility space are being developed for companies and firms focusing on the science and technology sectors. From cutting-edge lab facilities to advanced technical support systems, everything at the Fitzsimons Innovation Campus is designed specifically for the life science industry.

FRaBSA (Front Range Biological Safety Association)
www.frabsa.org
Local affiliate chapter to International ABSA (American Biological Safety Association). Focus is promoting the principles of biological safety and providing a forum for dissemination of information. Membership includes EH&S officers at universities, government, industry and service providers that support their needs.

i2sl Colorado Chapter
www.i2sl.org/globalcommunity/chapters/colorado.html
The I2SL Colorado Chapter seeks to be a local resource and community for high-tech laboratory and data center users, builders, and suppliers. The chapter offers quarterly and annual meetings focused on technical topics, visiting built projects, and meeting with like-minded individuals to collaborate and develop further ideas for the industry.

C Innosphere
Fort Collins, Denver, Boulder
www.innosphere.org
A high-tech incubator supporting entrepreneurs building high-growth companies in the industries of health innovation, life sciences, software & hardware, and energy & advanced materials. Innosphere's incubation program focuses on ensuring companies are investor ready, connecting them with experienced advisors, and making introductions to corporate and strategic partners.

PDA MS (Parenteral Drug Association, Mountain States Chapter)
www.pda.org/chapters/north-america/mountain-states
Local chapter of PDA (Parenteral Drug Association) the leading global provider of science, technology and regulatory information and education for the pharmaceutical and biopharmaceutical community.

RM ISPE (Rocky Mountain Chapter of International Society of Pharmaceutical Engineers)
www.ispe.org/rockymountain
The Rocky Mountain Region is among the fastest growing biotechnology/pharmaceutical communities in the nation. The chapter was established in 1996 to accelerate the awareness and visibility of the biopharmaceutical and medical device community through networking and educational opportunities. The strengths of the chapter are visible with its large user involvement and the depth of technical programs provided. National speakers are invited often to share current trends and other relevant technical material to the chapter.

RMRCQA (Rocky Mountain Regional Chapter Society of Quality Assurance)
www.rmrcqa.org
SQA is an association of over 2,200 QA professionals who are dedicated to implementing Good Clinical Practices (GCPs), Good Laboratory Practices (GLPs) and Good Manufacturing Practices (GMPs) in industry, government, academia and consulting.

RMRAS (Rocky Mountain Regulatory Affairs Society)
www.rmras.org
The Rocky Mountain Regulatory Affairs Society (RMRAS) is a non-profit organization for professionals involved in the regulation of medical devices, pharmaceuticals, biologics, and nutritional products. Our vision is to advance the understanding and practice of worldwide medical Regulatory Affairs for members in the Rocky Mountain region.

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www.sustainable-leaders.com

LabDx LLC

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www.boulderbioconsulting.com

CBR International Corporation
www.cbrintl.com

Dohmen Life Science Services
www.dohmen.com

Emerson Consultants, Inc.
www.emersonconsultants.com

Empirical Testing Corporation
empiricaltech.com

IMSM, Inc.
www.imsm.com/us

Medicare International
www.medicareinternational.com

MedReg Consulting
www.medicalregulatory.com

Metz Biotechnology Consulting
www.metzbiotech.com

Regulatory and Compliance Resources
www.rcresources.org

RMC Pharmaceutical Solutions
www.rmcpharma.com

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www.shoppnonclin.com

Skyland Analytics, Inc.
www.skylandanalytics.net

The Way Out, LLC

Veideland Inc.
www.veideland.com

Velocity BioGroup
www.velocitybiogroup.com

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Care Research LLC/Colorado Histo-Prep
www.careresearchllc.com

Coram Clinical Trials
www.coramhc.com/ClinicalTrials/

Microbial Research, Inc.
www.microbialresearch.com

MPI Research
www.mpiresearch.com

National Jewish Health / ADX Labs
www.njlabs.org

Pre-Clinical Research Services, Inc.
www.preclinicalresearch.com

Pyxant Labs, Inc.
www.pyxant.com
Rocky Mountain Poison & Drug Center
www.rmpdc.org

CONTRACT MANUFACTURING/DESIGN ORGANIZATIONS

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www.avistapharma.com

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www.cblbiopharma.com

Design Solutions Inc
www.design-solutions.com

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www.evergreenresearch.com

IPAX Inc.
www.ipaxinc.com

KBI Biopharma, Inc.
www.kbiopharma.com

Meddux Development Corporation
www.meddux.com

Nordson Medical
www.nordsonmedical.com

Prospect Life Sciences
www.prospectlifesciences.com

ECONOMIC DEVELOPMENT

Adams County Economic Development, Inc. (ACED)
www.adamscountyed.com

Aurora Economic Development Council
www.auroraedc.com

Boulder Economic Council of the Boulder Chamber
www.bouldereconomiccouncil.org

City of County of Broomfield, Economic Development Department
investinbroomfield.com

Colorado Office of Economic Development and International Trade (OEDIT)
www.chooscolorado.com

Colorado Springs Chamber and Economic Development Corporation
www.coloradospringschamberedc.com

Metro Denver Economic Development Corporation
www.metrodenver.org

Town of Parker
www.parkeronline.org

UK Government Consul - Denver
www.gov.uk/government/world/usa

ELECTRONIC SUBMISSIONS

TruSubmit
www.trusubmit.com

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Advanced Medical Technology Association (AdvaMed)
www.advamed.org

Biotechnology Innovation Organization (BIO)
www.bio.org
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www.phrma.org
We Work for Health
www.weworkforhealth.org

REAL ESTATE

Catalyst HTI
catalysthealthtech.com
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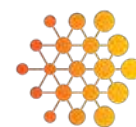
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**FOR MORE INFORMATION
PLEASE CONTACT US:**

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